



Report

ACCOUNTS & AUDIT

2022-23

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

(Digital University Kerala)

www.duk.ac.in



**KERALA UNIVERSITY OF DIGITAL SCIENCES,
INNOVATION AND TECHNOLOGY
(Digital University Kerala)**

Accounts & Audit Report
2022-23

About Us

The Digital University Kerala, officially known as the Kerala University of Digital Sciences, Innovation, and Technology, stands out as a unique institution in India, established with the mission of fostering a responsible digital society. It evolved from the Indian Institute of Information Technology and Management-Kerala (IIITMK), which the Kerala government founded in 2000 to excel in information technology and related fields. Despite IIITMK's early success in various e-governance projects in Kerala, its growth was stymied by inadequate infrastructure and delays in gaining regulatory approval for academic programs. This status prevented IIITMK from independently offering courses, research opportunities, or degrees, as it was registered as a company. Consequently, IIITMK collaborated with the Cochin University of Science and Technology (CUSAT) for academic activities, but this partnership limited its ability to meet the growing demands of the knowledge sector due to CUSAT's statutory constraints.

To address these challenges, the Kerala government upgraded IIITMK to the "Kerala University of Digital Sciences, Innovation & Technology" through Ordinance No. 9 of 2020 on January 18, 2020. This ordinance was later enacted as Act 10 of 2021 by the Kerala Legislative Assembly. The university's mandate expanded to cover interdisciplinary areas in science, technology, and humanities pertinent to the digital world, aspiring to become a global center of excellence through education, research, and outreach in digital technologies, sciences, and humanities. The university began its operations on October 28, 2020, at the new Technocity campus of IIITM-K, with Professor Saji Gopinath from IIM Kozhikode serving as the first vice-chancellor. It was officially inaugurated on February 20, 2021, by the Governor of Kerala, with the Chief Minister presiding. Due to the Covid-19 pandemic, the State Legislative Assembly could not hold regular sessions in 2020, delaying

the introduction of the university's bill. The ordinance was re-notified on several occasions and ultimately replaced by the Kerala University of Digital Sciences, Innovation and Technology Act, 2021, passed by the Legislative Assembly on October 30, 2021. In the interim, the university received recognition from the UGC under Section 2(f) of the UGC Act and AICTE approval for its M.Tech programs.

The university's programs are divided into three main categories: Research, Education, and Outreach. These activities are conducted through Research Centers, Centers of Excellence for research, Schools of Education for academic pursuits, and Outreach Centers for community engagement. The academic programs aim to build capacity at the master's and doctoral levels in cutting-edge and disruptive technology fields such as Computer Science, Electronics, Informatics, and Digital Sciences, aligning with Industry 4.0 and 5.0 requirements.

The announced programs include M. Tech. in Computer Science & Engineering with specializations in Artificial Intelligence, Cybersecurity Engineering, Connected Systems & Intelligence; Electronics Engineering with specializations in AI Hardware, Signal Processing & Automation; M.Sc. in Computer Science with specializations in Machine Learning, Cyber Security, Data Analytics, Geospatial Data Analytics; and Ecology with a specialization in Ecological Informatics. Admissions to postgraduate programs were based on GATE/University admission tests and interviews, while the Ph.D. program admissions were based on the Digital University Research Aptitude Test (DRAT)/GATE/NET exams, assessment of research methodology competence, and a personal interview. Admissions for both PG and Ph.D. programs have been completed, and classes have commenced. Scholarships from central and state governments are available for eligible students. DUK is listed under the National Scholarship Portal, Egrantz Kerala, and the Directorate of Collegiate Education, which provides merit-cum-means scholarships to deserving students. All research students, except industry-sponsored candidates, will receive scholarships based on NET qualifications or university scholarships.

The university aims to function as a self-sustaining educational and research institution, generating internal revenue to cover

operational costs, similar to the IITMK model. The Kerala government has allocated Rs. 50 crores to cover the initial year's expenses. The university is expected to achieve financial autonomy within the next five years, operating in a manner akin to industrial or business units, distinguishing it from other state universities.

Vision

The vision of the University is to become a global destination of repute in Digital World Education and Research and to become an academic leader by nurturing futuristic talent capable of developing innovative and sustainable solutions for the industry, Governments, and society by leveraging Digital Technologies, Science & Humanities, through education, research, and application

Mission

The motto of the University will be to *Curate a Responsible Digital World*. The development and application of Digital Technologies for social good is the underlying mission of the University. Towards this, the University shall focus on four themes of action namely, Computing, Intelligence, Sustainability, and Entrepreneurship; the first two themes shall form the focus area of work, and the next two themes act as guiding light for the overall mission while designing programs, developing products and services as well as for providing training and extension activities. The University shall catalyze technical advances that promote societal welfare.

Governance and Administration

Chancellor

Shri Arif Mohammed Khan
Hon'ble Governor of Kerala

Pro-Chancellor

Shri Pinarayi Vijayan
Chief Minister of Kerala &
Minister in charge of Electronics & IT

Vice Chancellor

Prof Saji Gopinath

General Council

(Being constituted)

Board of Governors

Sl. No	Members	Name and Designation
1	Chairperson	Dr. Prof. Vijay Chandru Co-Founder & Director, Strand Life Sciences, Bengaluru, Professor Indian Institute of Science
2	Principal Secretary/Secretary to Government, Electronics and Information Technology Department- Ex-officio Member.	Shri. Biswanath Sinha IAS Additional Chief Secretary
3	Principal Secretary/Secretary to Government, Finance Department – Ex-officio Member.	Sri. Rajesh Kumar Singh, I A S Additional Chief Secretary
4	Principal Secretary/Secretary to Government, Higher Education Department – Ex-officio Member.	Dr. V Venu IAS Additional Chief Secretary
5	One nominee of Higher Education Council, Government of Kerala- Ex-officio Member.	Dr. Rajan Varughese Member Secretary
6	Vice-Chancellor, APJ Abdul Kalam Technological University, Kerala – Ex-officio Member.	Dr. Rajasree M. S Vice-Chancellor
7	One representative of the Ministry of Communication & Information Technology, Government of India	Dr. Jaideep Kumar Mishra Joint Secretary
8	One nominee of the Department of Science & Technology, Government of India – Ex-officio Member.	Dr. Anitha Gupta Scientist-G & Head National Science & Technology Entrepreneurship Development Board (NSTEDB)

- 9 Director, Indian Institute of Technology, Palakkad – Ex-officio Member.
- 10 Director, Indian Institute of Management, Kozhikode – Ex-officio Member.
- 11 Director, Indian Institute of Science, Education and Research Thiruvananthapuram – Ex-officio Member.
- 12 Director, Indian Institute of Space, Science and Technology, Thiruvananthapuram – Ex-officio Member.
- 13 Director, Sree Chithira Tirunal Institute of Medical Sciences and Technology (SCTIMST), Thiruvananthapuram – Ex-officio Member.
- 14 Director, National Institute of Interdisciplinary Science and Technology, Thiruvananthapuram – Ex-officio Member.
- 15 Experts from industry or academia with proven expertise in education, research or practice in Information Technology and allied disciplines – Members.
- 16 Vice-Chancellor – Ex-officio Member.
- Prof. P. B. Sunil Kumar**
Director
Indian Institute of Technology Palakkad
- Prof. Debashis Chatterjee**
Director, Indian Institute of Management- Kozhikode
- Prof. Jarugu Narasimha Moorthy**
Director
Indian Institute of Science Education and Research (IISER)
- Sri. S. Somanath**
Director
Indian Institute of Space Science and Technology (IIST)
- Dr. Ajit Kumar V. K MD DM**
Director (In-charge)
Sree Chitra Tirunal Institute for Medical Sciences & Technology (SCTIMST)
- Dr. A. Ajayaghosh**
Director, National Institute for Interdisciplinary Science and Technology (NIIST) Council of Scientific and Industrial Research (CSIR)
- 1. Shri V K Mathews**
Founder and Executive Chairman,
IBS Software (IBS Group)
- 2. Prof. C Mohan**
Distinguished Visiting Professor,
Tsinghua University, China and Former
Shaw Visiting Professor, National
University of Singapore (NUS)
- Prof, (Dr.) Saji Gopinath**
Vice-Chancellor, Kerala University of
Digital Sciences Innovation and
Technology

Deans

Prof. A.P. James

Dean (Academic)

Prof. Asharaf S

Dean (Development & HR)

Prof. Tony Thomas

Associate Dean (Academic)

Prof. Manojkumar T K

Dean (Research)

Registrar

Shri P Suresh Babu

(30.6.2023)

Prof. T. K. Manoj Kumar

(1.7.2023 to 20.9.2023)

Prof. A Mujeeb

(21.9.2023)

Controller of Examinations

Prof Sabu M. Thampi

Head, Knowledge Centre

Dr Gopakumar V

Deputy Registrar

Shri. Murali R (Administration)

Shri. Vishnu V (Finance)

Shri. S Vijayakumar (Exams & VCs Office)

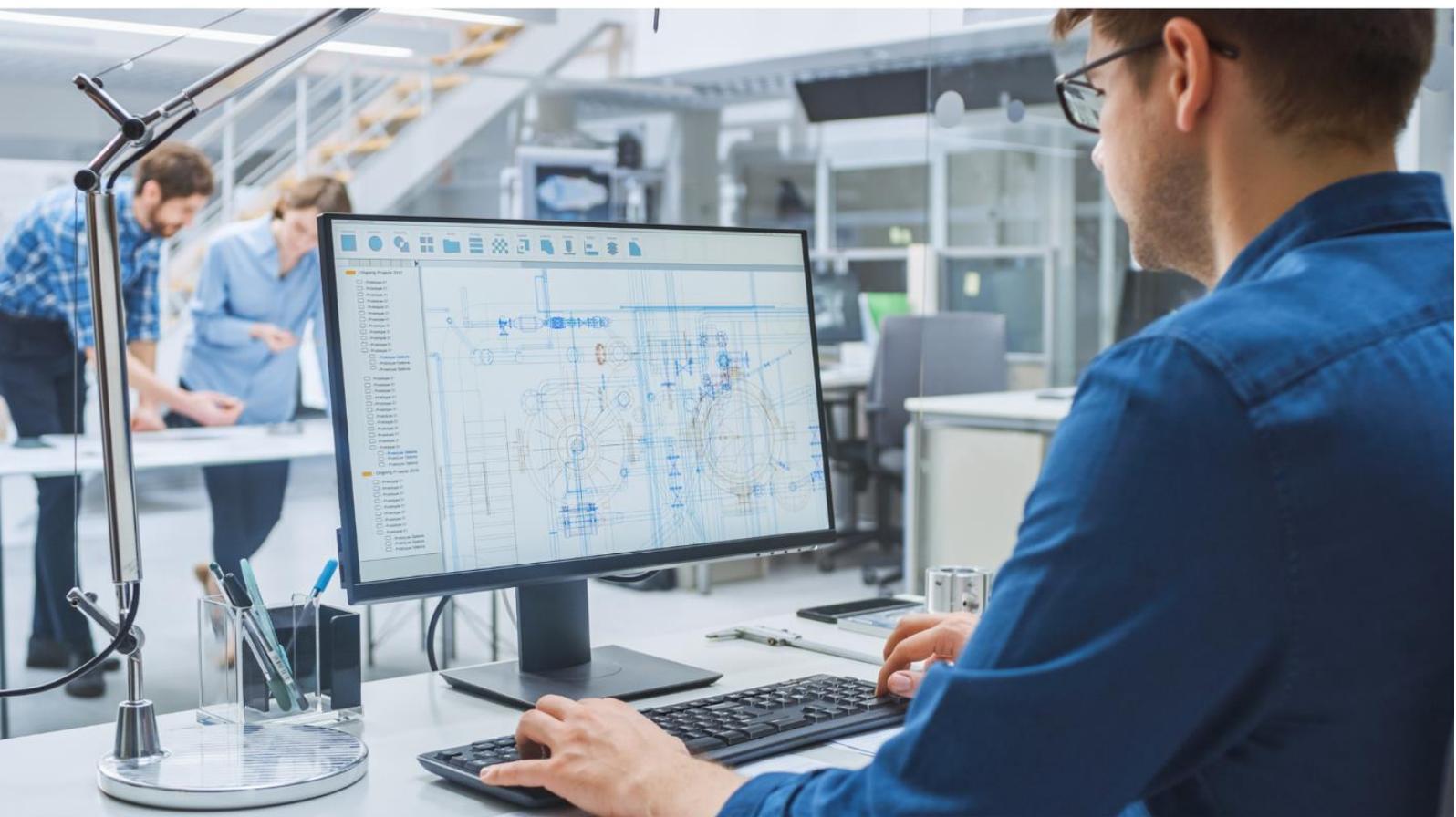
Assistant Registrars

Shri. Aneesh S (Finance)

Technical Officers

Shri. Jayachandran M B (CTO)

School of Computer Science and Engineering (SoCSE)



School of Computer Science and Engineering (SoCSE)

Established in 2020, SoCSE provides doctoral and master's degree programs, with research focus areas including theoretical computer science, computational intelligence, and systems & networks. Our mission is to educate and inspire the next generation of scientists and engineers to pursue their research goals. We strive to provide top-notch teaching, research, and learning opportunities that benefit our students, faculty, and society.

Vision

To become a world-leading center of advanced learning, research and development, and societal outreach in the field of Computer Science and Engineering.

Mission

To provide an enriching scholastic environment that nurtures innovative and effective ways of knowledge creation, dissemination and application to facilitate world-class education and cutting-edge research in the field of Computer Science and Engineering and thereby contributing to the society nationally and globally.

Objectives

- SoCSE targets to focus its activities in the following dimensions:
- World-class research and academics with national and international collaborations.
- Nurturing globally competent and socially responsible talent pool through academic programmes.
- Commercialization of research outcomes through consultancy, collaborative new business initiatives and promotion of entrepreneurship.
- Creating an inclusive and collaborative environment to foster local, sustainable and globally relevant knowledge and expertise.

Courses

1. MTech in Computer Science and Engineering with Specialization in Connected Systems and Intelligence (30 seats) AICTE Approved
2. MTech in Computer Science and Engineering with Specialization in Artificial Intelligence (30 seats) AICTE Approved
3. MTech in Computer Science and Engineering with Specialization in Cyber Security Engineering (30 seats) AICTE Approved
4. MSc in Computer Science with Specialization in Machine Intelligence
5. MSc in Computer Science with Specialization in Cyber Security
6. Ph.D. program is offered in Full-time regular, Industry regular, and Part-time modes of study.

Faculty

1. Prof.. Asharaf S
2. Prof.. Tony Thomas
3. Prof.. Sabu M Thampi
4. Prof.. Preetam Mukherjee
5. Prof.. Elizabeth Sherly
6. Prof.. Sinnu Susan Thomas
7. Prof.. Sujoy Madhab Roy

School of Digital Humanities and Liberal Arts (SoDiHLA)



School of Digital Humanities and Liberal Arts (SoDiHLA)

Digital Humanities is a multidisciplinary field that explores the various dimensions of the interplay of digital technologies, societies, and communities. It encompasses research in various areas where digital technologies influence, contribute, and advance the cause of humanities and explores the intersection of digital technologies and humanities. The field attempts to produce applications and models that make possible new kinds of research, both in the humanitarian disciplines as well as in computer science and its allied technologies. It also studies the impact of these technologies on cultural heritage, libraries, archives, digital culture, lifestyles, technology-empowered communities, and the deployment of mathematical and predictive models on the future of a digitally empowered society.

The School of Digital Humanities and Liberal Arts (SoDiHLA) at KUDSIT will focus on research related to digital culture and society and will explore the use of advanced technology-related methods in humanities research. In current times, cultural artefacts are increasingly available in digitized or born-digital form, and computing power, which has grown exponentially over the last several decades, is more accessible than ever. The activities at the Centre would focus on the exploration and use of digital tools, analytical techniques, and technology to explore humanistic questions and solve business-related issues. The DiHLA will have its own academic and research programs in areas such as Digital Law, Digital Pedagogy, Computational Social Science, e-Governance, management science, entrepreneurship, innovation, etc. The school will also collaborate with other schools of KUDSIT for supporting interdisciplinary programs of KUDSIT that have a humanities/social science component.

Objectives

- To cater to the demand of trained human resources to promote and influence the informed and critical uses of digital technology and computational approaches in social sciences, art, literature, history, area studies, linguistics, media, management and other disciplines of the humanities.
- To promote multidisciplinary domains of research in the social sciences that connect sociology, humanities, law economics, management, governance, policy, education, and related disciplines with technical innovations in mathematics, statistics, and computer science.
- To bring together students and faculty from within various centers of KUDSIT as well as researchers and community members to explore the crossroads of the humanities and computing.
- To encourage and motivate the student community to take up the future challenges of the growing IT industry
- To enable researchers and students to adapt computational and computer-aided methods to access, analyze, sequence, and present social and cultural artefacts in innovative ways.
- To engage with the wider community of researchers, academics, and practitioners for initiating, developing, and sharing ideas to address and influence various emerging digital policy challenges
- To generate new and relevant knowledge through original research, and intervening through direct engagement with civil society and communities.

Courses

1. Postgraduate Diploma in e-Governance

Faculty

Prof. K.G Satheesh Kumar

Prof. K Pradeep Kumar

Prof. Meraj Uddin

Shri Jayachandran M B

Prof. Sini V Pillai

Prof. Shanujas V

Faculty publications from SoDiHLA

Pillai, S. V., Priyadarsini, R. S., & Kumar, R. S. (2023). Student Small Satellite Design and Development in India: A Review. In *Advances in Small Satellite Technologies: Proceedings of National Conference on Small Satellite Technology and Applications, 2020* (pp. 33-42). Springer Nature Singapore. https://doi.org/10.1007/978-981-19-7474-8_3

Pillai, S. V., & Prasad, J. (2023). Investigating the key success metrics for WFH/remote work models. *Industrial and commercial training (Q2)*, 55(1), 19-33. <https://doi.org/10.1108/ICT-07-2021-0053>

Shanujas, V., & Ramanan, T.R. (2023). Do job competencies influence the satisfaction of customers? An investigation in the cooperative banking sector. *International Journal of productivity and performance management*, Vol. 72 No. 3, pp. 809-826. (Q1 Journal) Doi: <https://doi.org/10.1108/IJPPM-09-2020-0473>.

Md Meraj Uddin, Roopak (S), Gokul (GR), Tony (T), A Data Flow-Based Approach for Classification and Risk Estimation of Android Apps, *IEEE International Conference on Recent Advances in Systems Science and Engineering*, Nov 2023. DOI:10.1109/RASSE60029.2023.10363478

Roopak (S), Md Meraj Uddin, On Impact of Semantically Similar Apps in Android Malware Datasets, *IEEE International Conference on Recent Advances in Systems Science and Engineering*, Nov 2023. DOI: 10.1109/RASSE60029.2023.10363555

Other major achievements

- Dr. Sini V. Pillai, presented a research paper, "Humanitarian and Crisis Management: Electric Vehicle Explosions in the Indian Scenario," at the POMS India International Conference 2023, hosted by the Production and Operations Management Society POMS India chapter at XLRI Jamshedpur from 4-6 December 2023.
- Dr. Sini V. Pillai, presented a case study on "EV Market: Electric Vehicle Explosions in the Indian scenario" on Feb 24, 2023, at Fortune Institute of International Business (FIIB), New Delhi, India

Number of PhDs ongoing/ completed/newly registered

2 Nos Ongoing

1. Mr. Rajesh VS
2. Ms. Panchami S

Notable student achievements during 2023

- Prathibha S Prabhu- Maintained excellent academic records throughout the MBA Program, reflecting a commitment to educational excellence and a deep understanding. In addition to coursework, she has completed 7 certification courses through the National Programme on Technology Enhanced Learning (NPTEL) within two semesters, earning recognition as an NPTEL Star and receiving two additional recognitions: NPTEL Stars and NPTEL Believers.

She was selected as the Chief Marketing Officer for the Innovation Club for 2023, showcasing her leadership abilities and my capacity to drive innovative initiatives. She has also secured a prestigious internship at KPMG through the university, which has provided her with valuable industry experience and practical insights. She also won a quiz competition on Quality conducted by the Indian Institution of Industrial Engineering (IIIE) in 2023. These accomplishments collectively illustrate her well-rounded capabilities, strong

work ethic, and exceptional performance across various domains.

- Jeffin Joy- Active member of the Social Engagement Centre (SEC), led the first N.S.S. camp of the university, managing a group of over 30 students and staff during the project in Athiyanoor held in December 2023. They have set up a library and Citizen Service Centre in Bhaskar Nagar Athiyanoor as a team.

Also engaged with Marius Eugler, Chief Technology and Transformation Officer at Allianz Technology, and his team on behalf of the SEC. Been involved in discussions on social responsibility, community initiatives, and our collective role in sustainability left a lasting impact. Also involved in socially relevant activities such as cleaning the market and bus stand in Pothencode, conducting and assisting digital literacy campaigns

Other relevant information

- School of Digital Humanities and Liberal Arts successfully conducted an eight-month Post Graduate Certificate Programme in Entrepreneurship: Small Business Management (PGSBM) certificate program in three batches for Enterprise Development Executives and Resource Persons across Kerala. All three batches had an intake of 350 participants each.

School of Digital Sciences (SoDS)



School of Digital Sciences (SoDS)

The School will focus on STEM education. Science, technology, engineering, and mathematics (STEM) is a broad term used to group these academic disciplines. As per STEMconnector.org, projections estimate the need for 8.65 million workers in STEM-related jobs. It was reported that STEM jobs in India increased by 44% from 2016-2019.

In the era of Industrial Revolution 4.0, it's imperative to train our nation's youth with the latest technologies and prepare them to bring knowledge and skills to solve complex problems and use them for decision-making. These skills are generally known as STEM, which will help meet the expectations to create a dynamic workforce who can lead our nation tomorrow. It is essential to have trained human resources in STEM fields. The proposed School of Digital Science theme is STEM, spanning the broad areas of Computational Science, Data Analytics, and Scalable Data Systems across various science and technology domains.

Vision

To become an internationally reputed Advanced Center in the thematic areas of the School and to provide socially relevant services to the general public through the knowledge and skill acquired through learning, research, and development.

Mission

To provide the critical meeting ground for people to learn the subject, interact with world-class experts, collaborations, organize and regulate access to federated data, information, and computational resources, for knowledge creation, dissemination, and applications to facilitate world-class education and bleeding edge research in the field of digital sciences and thereby empowering the society with updated skills and knowledge.

Objectives

- To cater to the demand for trained human resources in the areas of STEM
- To foster advanced research, development, and Innovation in frontier areas of Digital Sciences
- To encourage and motivate the student community to take up the future challenges of the growing IT industry
- To promote innovations and entrepreneurship ecosystem in social innovations and commercialize research outcomes

Courses

1. MSc in Computer Science with Specialization in Data Analytics (40 seats regular)
2. MSc in Computer Science with Specialization in Geospatial Analytics
3. PhD program is offered in Full-time regular, Industry regular, and Part-time mode of study

Faculty

Prof. John Eric Steephen

Prof. Manoj Kumar T K

Prof. Anoop Ayyappan

Prof. Ajith Kumar

Prof. Radhakrishnan

Prof. K. Satheesh Kumar

Prof. Sanil P Nair

Prof. Sherin D R

Prof. Aswin.V S

Prof. Sishu Shankar Muni

Prof. Shamjid P

Prof. Shweta Srivastava

Dr. Anoop V S

School of Electronic Systems and Automation (SoEAS)



School of Electronic Systems and Automation (SoESA)

Introduction

The School of Electronic Systems and Automation (SoESA) believes in the practice of open Innovation, open hardware and open minds. And hold the following values to its heart:

- Learning is a process and not a product
- Innovation and creative thinking as a core value
- Promote inclusive education and learning
- Focus on student centred educational practices
- Embrace multiculturalism and international diversity
- Encourage diverse ways to make and demonstrate impact
- Enable an active start-up ecosystem

We welcome the visitors, industry representatives and students to be part of this journey and value system.

Vision

We identify exceptional research and commercialisation opportunities, inspire collaborative works, promote industry, and make connections to accelerate social, economic, technological and environmental development.

Mission

The School of Electronic Systems and Automation (SoESA), The Kerala University of Digital Sciences, Innovation and Technology is established in 2020, in Technocity campus, Trivandrum. The SoESA aims to be a premier centre of research and Innovation in Electronics Systems and Automation making key contributions to the economic, technological and social well-being.

Objectives

- The SoESA is an Engineering school that focuses mainly on applied research and Innovation in Electronic Systems. The SoESA aims to be international from its work environment to professional

practice and offer intellectual freedom to grow. All the faculty in the School are considered intellectual equals irrespective of the stage of career.

- The SoESA will place quality ahead of all the other parameters.
- The SoESA places merit and quality ahead of equal opportunities principles. Although it will follow all the national guidelines and requirements where necessary, it will focus on the quality.
- It is expected that faculty members will attain high standards in research, teaching and services.
- The communications within the School aims to be transparent and fast. Being a digital university, all documentations to communications are expected to be in digital forms.
- SoESA believes in a student-centered education. The students are expected to be internationally competitive and be highly disciplined in academic matters.
- SoESA encourages internationalization of its education and research activities in all levels. It envisions collaborative programs and encourages faculty to build programs that benefit the Indian society.
- SoESA will follow best practices from around the world and will update its strategies every year to be competitive nationally and internationally in all its endeavours.
- SoESA encourages all its faculty to commercialize, productize, and perform social innovations and patent research.
- SoESA sets high priority to industry-academic collaborations and international research collaborations.
- SoESA programs and activities shall follow at the minimum the relevant university guidelines and those required by regulatory bodies. However, SoESA shall set higher standards than prescribed by the university, in its educational programs, outreach, consulting and recruitment activities.

The School will focus on the broad areas of AI Hardware, AI Robotics, Signal Processing and Automation and Computational Imaging System

Courses

- MTech In Electronics Engineering with Specialization in AI Hardware (30 Seats)
- MTech In Electronics Engineering with Specialization in Signal Processing And Automation (30 Seats)
- PhD program is offered in Full-time regular, Industry regular, and Part-time mode of study.

Faculty

1. Prof.. Alex P James
2. Prof. Jose Joseph
3. Prof.. Sumit Datta
4. Prof.. Christie Thomas Cherian.
5. Prof.. Muthusankar Eswaran.
6. Prof.. Elangovan K.

School of Informatics (SoI)



School of Informatics (Sol)

The School of Informatics is a frontier-less intellectual space that radiates computing across applied science and social science disciplines. We perceive informatics as the binder that can transform and levitate applied domains, which are increasingly relied upon to address emerging challenges.

The academic programs of the School of Informatics are interdisciplinary and of high quality. We ensure our students develop the ability to comprehend issues holistically, think objectively, and imbibe skills that would help them either find gainful employment or advance to a research career. A couple of years that one invests at the School of Informatics will return dividends in the future

Vision

We envision a 'cooperatively competitive' academic environment with a focus on the transmutation of information. Socially and temporarily relevant research backed by quality education to churn out graduates with professional acumen, exceptional leadership, and a humane heart.

Mission

The tri-value system of Sol intends to provide education through three allied values: learn, transmute, and transform. The Sol imparts value-based and technology-oriented interdisciplinary education to students to bring them up as citizens who are socially conscious, intellectually competent, and morally upright.

Objectives

- Promote excellence in teaching and research with state-of-the-art infrastructure, through enhancing learning for all academic programs, including extra-curricular activities. The School is keen to advance scientific research and scholarship to an international level
- Promote the personal, social, academic, and career growth of all students proactively to prepare and qualify them to be

leaders in their chosen careers and professions The School provides a proper environment that nurtures Innovation, creativity, and the pursuit of knowledge

- Forge strategic partnerships with the local community, including the public service industry to be responsive to the socio-economic needs of the community through dedicated applied research.
- Activities
- Teaching at MSc, PG Diploma/certificate and pre-PhD levels.
- Academic research including guiding of PhD and MTech/MSc students
- Development of continuing education programme and online learning resource material.
- Contribution to interdisciplinary teaching and research programmes.
- Sponsored R&D and consultancy
- Build strategic partnerships with the local community, including the public service industry to be responsive to the socio-economic needs of the community through dedicated applied research
- Contribute to the socio-cultural, scientific, and economic progress of society through social responsiveness and effective engagement

Courses

Postgraduate programs

- MSc Ecology with Specialization in Ecological Informatics (30 Seats)
- PhD program is offered in Full-time regular, Industry regular, and Part-time mode of study.

Faculty

1. Prof.. Suresh I
2. Prof.. Sooraj NP
3. Prof.. Athira K
4. Prof.. Jaisankar

Knowledge Centre



Knowledge Centre

DUK is the new Gen University created based on the philosophy of digital technology for transformation. The specific programs focusing on the blend of Academics, R&D, Technology, Innovation, Entrepreneurship, and Arts & Humanities are expected to create better and faster solutions to society at global scales of excellence.

This re-engineering aiming at significant social changes needs effective and matching information inputs as the fuelling mechanism. With this fundamental objective, the conventional Library System is being revamped to play its matching role in the new environment. Thus the rechristened Knowledge Centre from the framework of its structure as given in this document will undergo visible changes within a short period.

The changing pattern of info needs of users, the expanding trends in info resources, the complexities of info dissemination processes, the ever-increasing tools, devices, and techniques, and the missing links in the work-flow of the activity domains of users are being closely examined to restructure a better model of info dissemination. It is envisaged to formulate both short-term and long-term solutions.

Other essential factors include Open Access and Open Science initiatives, Public-Publisher conflicts in monopolizing data sharing and products, info storage & dissemination economics, etc. Optimizing user needs vis-à-vis the delivery of matching services will decide the choice/design of the appropriate models.

The unlimited possibilities of applying new technologies in the info-handling processes are also being explored. Yet another factor is the changing trends in the concept of physical space and info intermediaries/workforce in real-life libraries.

The transformation envisaged in the ultimate functioning of the Knowledge Centre will depend on this incisive thinking and constructive application.

Thus the structure of the resources, products, and services as enlisted below will be transformed into a system better suited for the given environment and possibly as a model to emulate.

Resources

Books: e-Versions & p-Versions

Periodicals/Journals/Magazines: e-, p- & Integrated Versions

Subscribed e-Resources

IEEE Xplore, ACM DL, Springer, ScienceDirect, etc.

Access to National Facilities, including INFLIBNET, NDL, DELNET etc.

Access to Web of Science, Scopus

Open Access Databases, including Arxive.org, DOAJ, WIPO, etc.

Services

Acquisition of Publications

Access to e-Resources: Campus-Wide incl. Hostels

Web OPAC

Normal Circulation Service

Inter-Institutional Resource Sharing

Photocopying & Scanning

Reference & Referral Service

Overleaf online platform for Latex page design

Window to Open Source Learning / MOOCs

Scholarly Publishing Guidance including

Choice of Source Publications incl. Metrication Standards

Reference Management / Publishers' Author Guidelines /

Plagiarism Checking

Facilities

Reading Space

Net-enabled Access Stations

Photocopying & Scanning Systems

The new Learning Space

The Team

- Dr Gopakumar V, Head, Knowledge Centre
- Assistant Librarian (Vacant)
- Remya S, Library Assistant
- Athira, Library Assistant

Women Incubation Start-ups and Entrepreneurship (WISE)

Women Incubation, Start-ups and Entrepreneurship Scheme (WISE) implemented by the Digital University of Kerala was committed to promoting the women entrepreneurship ecosystem through policies and



initiatives and creating supporting networks. The WISE project intends to convert and translate innovative and creative ideas of young minds in various science and engineering disciplines to achieve excellence in research, products, processes and services to maximize its impact on industry and society. Through the WISE programme, opportunities will be given to new women entrepreneurs to launch their own businesses. By providing infrastructure, mentorship, training and seed grant support, WISE will enable and nurture young minds to apply their ideas and innovations by developing cutting-edge technologies and research into established and profitable ventures.

WISE provides Innovation start-up space at IIITM-K building, and several women start-ups are already in place. WISE is designed as a 2-year programme with two phases: Pre-Incubation (6 months) and Incubation (18 months). Now, 9 start-ups are running at IIITM-K Premises; in 2023, two of them have flown out successfully. During 2023-24, a number of events and trainings were conducted for Incubators.

To promote student entrepreneurship and sustainably empower a broader women's community with technological innovations and creativity, DUK introduced WISE-S (Women Incubation, Start-ups and Entrepreneurship-Students). The scheme was initiated in 22-23 and launched in collaboration with Kerala Start-up Mission (KSUM) to be implemented in 23-24. The mutual collaboration aims to work together with both organizations to achieve a better ecosystem and to scale up women's entrepreneurship, and the work is progressing.

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- Promoted the following 4 start-ups to the Incubation phase after the mid-term review.
 1. South Cape Technology Education Pvt Ltd.
 2. Exiox Software Solutions.
 3. Ellora Teccorp Pvt Ltd.
 4. Lateral Minds Technologies Pvt Ltd.
- Documented Registration / Incorporation certificates for the 4 mentioned start-ups.
- Followed up and ensured that all 4 start-ups received the initial seed grant amount of Rs. Two Lakhs each, as per the feedback of the review.
- One start-up named IraaLoom received the second instalment of the balance grant amount, which is Rs. Three Lakhs and completed the Incubation phase also in August 2023.
- Received new business proposals, scrutinized and selected 12 start-ups' business proposals out of the 19 aspiring start-up proposals received for review.
- Invited the 12 start-ups for presentation at DUK on 30th October 2023, out of which 5 start-ups were selected to sign the WISE agreement with DUK based on the feedback of the judgment panel.
- Press Release in Malayalam and English dailies got published in the Mathrubhumi, The New Indian Express and The Hindu newspapers on 12th September 2023.
- The detailed article regarding the WISE Scheme under DUK was published in the Career Guidance Weekly of the Mathrubhumi Newspaper – Thozhil Vartha, on 18th September 2023.
- An Interview with the WISE Project Coordinator, Dr. Elizabeth Sherly, was arranged with the Aakashavaani media person on 10th October 2023, and this interview was broadcast on the Mahilaalayam programme of the All India Radio from 3:00 PM to 3:30 PM on 4th November 2023, Saturday.
- WISE Co-ordinator, Business Developer and five VRCLC members attended the 3 days Huddle Global event

organised by the Kerala Start Up Mission (KSUM) from 16th November 2023 to 18th November 2023 at Kovalam, Thiruvananthapuram and promoted the WISE Scheme, through WISE Brochure distribution and Scheme explanation.

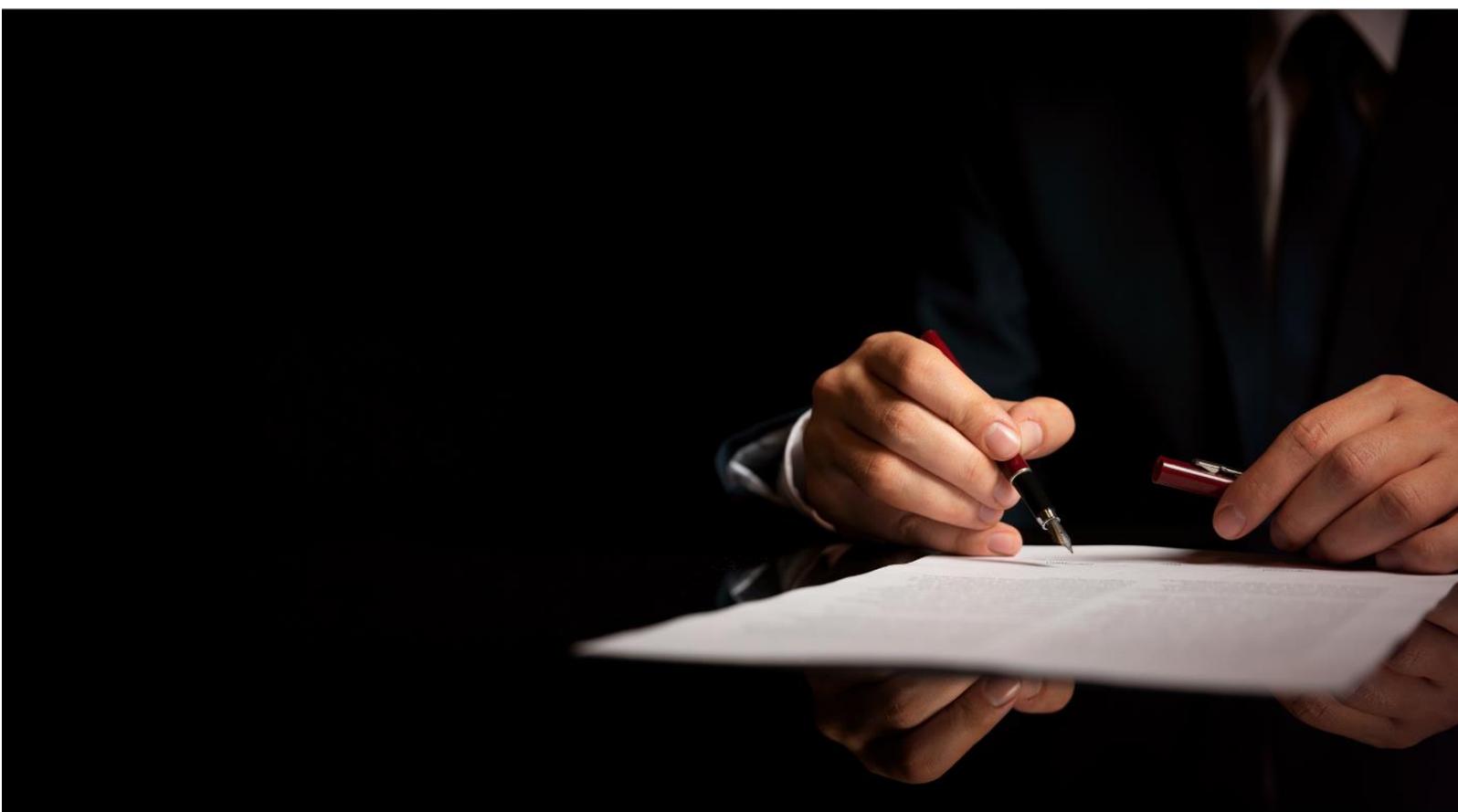
- Organized and conducted the **Ventura** Event at the Digital University Kerala on 28th, February 2024, Wednesday for the promotion of the WISE scheme and the launch of the WISE - S (Women Incubation, Start-ups and Entrepreneurship - Students) scheme.
- 5 new Start-ups were selected under WISE. The names of the start-ups are listed below:
 1. Light A Fire Consultants (LAF Sports).
 2. Zynecore Global Pvt Ltd (Doctor42).
 3. SOLVERT TECH.
 4. Supreme Health And Wellness Centre (SHAWC).
 5. Rwihaa Fabzlab & Designs.
- WISE joined hands with KSUM for the WISE-S (Women Incubation, Start-ups and Entrepreneurship - Students) scheme and the selection of students under the scheme is ongoing.
- Facilitated the review and successful completion with the 2nd instalment of grant approval (Rupees Three Lakhs Only) of 5 startups' tenure under the WISE scheme during 2023-2024 financial year. The startups are mentioned below:
 - South Cape Technology Education Pvt Ltd.
 - Exiox Software Solutions.
 - Ellora Teccorp Pvt Ltd.
 - Lateral Minds Technologies Pvt Ltd.
 - IraaLoom.
- Attended the Career Guidance Expo organized at the University College, Thiruvananthapuram, by the Directorate of Women and Child Development, on 17th February 2024, Saturday and did promotion of the WISE Scheme at the DUK Stall.

- During the Global Science Festival, Kerala organised by the Government of Kerala at Mangalapuram, Thiruvananthapuram, on 7th February 2024, Wednesday, had the opportunity to promote the WISE Scheme.

WISE Annual Report_2024-2025 (Till Date):

- Organised the presentations of two startups namely LateralMinds Technologies by Ms. Shruthy Thankappan who successfully completed the incubation programme under the WISE scheme and Solvert Tech by Ms. Jennifer Joseph who is currently undergoing the Pre Incubation programme under the WISE Scheme during the National Technology Day 2024 Celebrations held at the Travancore Hall, Technopark Phase-1, Thiruvananthapuram, on 18th May 2024, Saturday.
- Attended two events and utilized the opportunities for the promotion of the WISE Scheme. The events are listed below:
 - iCARE-hS, an International Conclave on AI and Robotics for enabling healthcare singularity organized by the DUK in collaboration with the Hridayalaya Heart and Robotic Research Centre and the Genetika Centre for Advanced Genetic Studies held at O by Tamara, Thiruvananthapuram, on 21st April 2024, Sunday.
 - National Technology Day 2024 Celebrations jointly organized by the KSCSTE and DUK at the Travancore Hall, Technopark, Phase1, Thiruvananthapuram, on Saturday, 18th May 2024.

Faculty Publications



Faculty Publications

Asharaf S

- Asharaf S (2023), Harnessing the power of Big Data with Machine Learning for Business Decision Support, Annals of Information Systems. Big Data and Analytics for Business (BDAB), New Delhi, India
- Gurram, V. K., Sanil, J., Anoop, V. S., & Asharaf, S. (2023). String Kernel-Based Techniques for Native Language Identification. Human-Centric Intelligent Systems, 3(3), 402-415.
- Chandran, N. V., Anoop, V. S., & Asharaf, S. (2023). Topicstriker: A topic kernels-powered approach for text classification. Results in Engineering, 17, 100949.
- Asharaf S, Sivadas Neelima, Adarsh S, Franklin John (2023).Blockchain Technology: Algorithms and Applications
- John, R., Anoop, V. S., & Asharaf, S. (2023, May). Health mention classification from user-generated reviews using machine learning techniques. In Proceedings of international conference on information technology and applications: ICITA 2022 (pp. 175-188). Singapore: Springer Nature Singapore.
- Jickson, S., Anoop, V. S., & Asharaf, S. (2023, May). Machine learning approaches for detecting signs of depression from social media. In Proceedings of international conference on information technology and applications: ICITA 2022 (pp. 201-214). Singapore: Springer Nature Singapore.
- Rahulraj, P. V., Sanil, J., Anoop, V. S., & Asharaf, S. (2023, May). Monetize the Dual: A Data Analytic Approach for Native Language and Prequel Movies Popularity Analysis. In International Conference on Data Analytics and Insights (pp. 183-196). Singapore: Springer Nature Singapore.

Ajith Kumar

- Kumar K, Ajith (2023). Understanding Factors Affecting the Adoption of Agri Mobile Apps by Farmers for Agricultural Information Management: An Empirical Evaluation in India Using Utaut2 in Journal of Tianjin University Science and Technology.
- Kumar, A., & V P, J. R. Use of Technology Acceptance Models in Agriculture: A Citation Network Analysis.

Alex James

- Sivapalan, G., Nundy, K. K., James, A., Cardiff, B., & John, D. (2023). Interpretable rule mining for real-time ECG anomaly detection in IoT Edge Sensors. *IEEE Internet of Things Journal*, 10(15), 13095-13108.
- Mahapatra, D., & James, A. (2023, May). Natural Outlier Rejection with Shepherd's Psychometric Similarity Metric. In *2023 IEEE International Symposium on Circuits and Systems (ISCAS)* (pp. 1-5). IEEE.
- Mallan, V. S., Gopi, A., Reghuvaran, C., Radhakrishnan, A. A., & James, A. (2023). Rapid prototyping mixed-signal development kit for tactile neural computing. *Frontiers in Neuroscience*, 17, 1118615.
- Nair, V., Radhakrishnan, A., Chithra, R., & James, A. (2023). Memristive pixel-CNN loop generate for CNN generalisations. *IEEE Transactions on Nanotechnology*, 22, 120-125.
- 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.
- Radhakrishnan, A., Mahapatra, D., & James, A. (2023). Consumer Document Analytical Accelerator Hardware. *IEEE Access*, 11, 5161-5167.
- Radhakrishnan, A., Babu, S., & James, A. (2023, May). Python based Memristor Model Library for Variability Analysis. In *2023 IEEE International Symposium on Circuits and Systems (ISCAS)* (pp. 1-5). IEEE.

Anoop V S

- Adarsh, S., Anoop, V. S., & Asharaf, S. (2022, September). Distributed consensus mechanism with novelty classification using proof of immune algorithm. In *International Conference on Innovative Computing and Communications: Proceedings of ICICC 2022, Volume 2* (pp. 173-183). Singapore: Springer Nature Singapore.
- Anoop, V. S., & Sreelakshmi, S. (2023). Public discourse and sentiment during mpox outbreak: an analysis using natural language processing. *Public Health*, 218, 114-120.

- Bhatt, S., Bhushan, B., Srivastava, T., & Anoop, V. S. (2023). Post-Quantum Cryptographic Schemes for Security Enhancement in 5G and B5G (Beyond 5G) Cellular Networks. In *5G and Beyond* (pp. 247-281). Singapore: Springer Nature Singapore.
- Chandran, N. V., Anoop, V. S., & Asharaf, S. (2023). Topicstriker: A topic kernels-powered approach for text classification. *Results in Engineering*, 17, 100949.
- Gurram, V. K., Sanil, J., Anoop, V. S., & Asharaf, S. (2023). String Kernel-Based Techniques for Native Language Identification. *Human-Centric Intelligent Systems*, 3(3), 402-415.
- Jickson, S., Anoop, V. S., & Asharaf, S. (2023, May). Machine learning approaches for detecting signs of depression from social media. In *Proceedings of international conference on information technology and applications: ICITA 2022* (pp. 201-214). Singapore: Springer Nature Singapore.
- Alkhayyat, A. (2023). Blockchain technology for better security by using two-way authentication process. In *Micro-Electronics and Telecommunication Engineering: Proceedings of 6th ICMETE 2022* (pp. 495-507). Singapore: Springer Nature Singapore.
- Visakh, P. R., Meena, P. N., & Anoop, V. S. (2023, June). Conversational Artificial Intelligence in Digital Healthcare: A Bibliometric Analysis. In *International Conference on Multi-disciplinary Trends in Artificial Intelligence* (pp. 723-734). Cham: Springer Nature Switzerland.
- Anoop, V. S. (2023, April). Sentiment classification of diabetes-related tweets using transformer-based deep learning approach. In *International Conference on Advances in Computing and Data Sciences* (pp. 203-214). Cham: Springer Nature Switzerland.
- Anoop, V. S., Thekkiniath, J., & Govindarajan, U. H. (2023, June). We chased covid-19; did we forget measles?-public discourse and sentiment analysis on spiking measles cases using natural language processing. In *International Conference on Multi-disciplinary Trends in Artificial Intelligence* (pp. 147-158). Cham: Springer Nature Switzerland.
- Sreelakshmi, S., & Anoop, V. S. (2023). A deep convolutional neural network model for medical data classification from computed tomography images. *Expert Systems*, e13427.

- Das, R., Mitra, M., & Singh, C. (Eds.). (2023). Era of Artificial Intelligence: The 21st Century Practitioners' Approach (1st ed.). Chapman and Hall/CRC. <https://doi.org/10.1201/9781003300472>
- Rahulraj, P. V., Sanil, J., Anoop, V. S., & Asharaf, S. (2023, May). Monetize the Dual: A Data Analytic Approach for Native Language and Prequel Movies Popularity Analysis. In International Conference on Data Analytics and Insights (pp. 183-196). Singapore: Springer Nature Singapore.

Athira K

- Athira, K., & Jaishanker, R. (2023). Colour Transition of Flowers.
- Rajan, S. C., Dominic, L., Vishnu, M., Athira, K., Sooraj, N. P., & Jaishanker, R. (2022). Surrogacy of post natural disaster acoustic indices for biodiversity assessment. *Environmental Challenges*, 6, 100420.
- Rajan, S. C., Mitra, A., NP, S., K, A., & Pillai, M. S. (2024). Threshold of anthropogenic sound levels within protected landscapes in Kerala, India, for avian habitat quality and conservation. *Scientific Reports*, 14(1), 2701.
- Rajan, S. C., Dominic, L., Vishnu, M., Athira, K., Sooraj, N. P., & Jaishanker, R. (2022). Surrogacy of post natural disaster acoustic indices for biodiversity assessment. *Environmental Challenges*, 6, 100420.

Elizabeth Sherly

- Rani, S., Malu, G., & Sherly, E. (2023, February). Kidney Stone Detection from CT images using Probabilistic Neural Network (PNN) and Watershed Algorithm. In 2023 International Conference on Advances in Intelligent Computing and Applications (AICAPS) (pp. 1-6). IEEE.
- Sreelakshmi, S., Malu, G., Sherly, E., & Mathew, R. (2023). M-Net: An encoder-decoder architecture for medical image analysis using ensemble learning. *Results in Engineering*, 17, 100927.
- Sreelakshmi S, Malu G, Elizabeth Sherly, Robert Mathew" M-Net: An encoder-decoder architecture for medical image analysis using ensemble learning" *Results in Engineering* 17 (2023) 100927, Elsevier, <https://doi.org/10.1016/j.rineng.2023.100927>, 2023 [Scopus Q1, SJR - 0.69]
- G. Malu, N. Uday, E. Sherly, A. Abraham and N. Kuber Bodhey, "CirMNet: A Shape-Based Hybrid Feature Extraction Technique

Using CNN and CMSMD for Alzheimer's MRI Classification," in IEEE Access, vol. 12, pp. 80491-80504, 2024, doi: 10.1109/ACCESS.2024.3408311.

John Eric Steephen

- Tharion, J., Viswanathan, A. M., Joseph, J., Steephen, J. E., Ismavel, V. A. (2023). Novel Gravity-driven Device for Intra-operative Auto-transfusion In: Innovative Blood Transfusion Strategies for Blood Deserts in LMICs, Harvard Radcliffe Institute, Cambridge, 6-7 April, 2023
- Tharion, J., Steephen, J. E., Joseph, J., & Ismavel, V. A. (2023). A gravity-driven apparatus for blood salvage and autotransfusion (Indian Patent No. 539411). The Patent Office, Govt. of India.

Jose Joseph

- Akshaya, A. V., Nair, N., Bosco, M. J., Ananthasuresh, G. K., & Joseph, J. (2023, January). Soil pH Sensing with an All-Solid-Electrode Sensor. In 2023 IEEE Applied Sensing Conference (APSCON) (pp. 1-3). IEEE.
- Bonam, S., Bhagavathi, K. A., Joseph, J., Singh, S. G., & Vanjari, S. R. K. (2023). An Ultra-Flexible Tactile Sensor Using Silk Piezoelectric Thin Film. IEEE Sensors Journal.

Malu G

- Rani, S., Malu, G., & Sherly, E. (2023, February). Kidney Stone Detection from CT images using Probabilistic Neural Network (PNN) and Watershed Algorithm. In 2023 International Conference on Advances in Intelligent Computing and Applications (AICAPS) (pp. 1-6). IEEE.
- Sreelakshmi, S., Malu, G., Sherly, E., & Mathew, R. (2023). M-Net: An encoder-decoder architecture for medical image analysis using ensemble learning. Results in Engineering, 17, 100927.
- Malu, G. (2023). Mathematical Morphology Based Hippocampus Segmentation for the Detection of Alzheimer's Disease (AD).

Meraj Uddin

- Uddin, M. M., Surendran, R., Gokul, G. R., & Thomas, T. (2023, November). A Data Flow-Based Approach for Classification and Risk Estimation of Android Apps. In 2023 IEEE International

Conference on Recent Advances in Systems Science and Engineering (RASSE) (pp. 1-6). IEEE.

- Surendran, R., & Uddin, M. M. (2023, November). On impact of semantically similar apps in android malware datasets. In 2023 IEEE International Conference on Recent Advances in Systems Science and Engineering (RASSE) (pp. 1-6). IEEE.

Pradeep Kumar K

- Kumar K. Pradeep (2023). Pathways to Equitable Prosperity: Investigating the relationship between National Innovation Capacity and Income Inequality. In Asia Pacific Innovation Conference (APIC 2023) at Ahmedabad University.
- Kumar K. Pradeep (2023). Does National Innovation Capacity Lead to Reduction in Income Inequality? Empirical Evidence from Panel Data Analysis. In 20th Anniversary GLOBELICS International Conference 2023 at GIFT, TVPM

Preetam Mukherjee

- Ekstedt, M., Afzal, Z., Mukherjee, P., Hacks, S., & Lagerström, R. (2023). Yet another cybersecurity risk assessment framework. *International Journal of Information Security*, 22(6), 1713-1729.
- Mukherjee, P., Thampi, S. M., Rohith, N., Poddar, B. K., & Sen, I. (2023, December). Detection and Hardening Strategies to Secure an Enterprise Network. In *International Conference on Information Systems Security* (pp. 91-108). Cham: Springer Nature Switzerland.
- Mukherjee, P., (2023). A Novel Approach for Bridging the Gap Between SDN and MITRE for Agile Incident Response. In *5th International Conference on Computing and Network Communications*.

Sabu M Thampi

- Nair, A. S., & Thampi, S. M. (2023). A location-aware physical unclonable function and Chebyshev map-based mutual authentication mechanism for internet of surveillance drones. *Concurrency and Computation: Practice and Experience*, 35(19), e7564.
- Thampi, S. M. (2023). A Novel Approach for Bridging the Gap Between SDN and MITRE for Agile Incident Response, *5th*

International Conference on Computing and Network Communications (CoCoNet'23), Bangalore, India.

- Mukherjee, P., Thampi, S. M., Rohith, N., Poddar, B. K., & Sen, I. (2023, December). Detection and Hardening Strategies to Secure an Enterprise Network. In International Conference on Information Systems Security (pp. 91-108). Cham: Springer Nature Switzerland.
- Varghese, E. B., & Thampi, S. M. (2023). A Comprehensive Review of Crowd Behavior and Social Group Analysis Techniques in Smart Surveillance. *Intelligent Image and Video Analytics*, 57-84.

K G Satheesh Kumar

- Kunnath, S. K., George, V. M., Kumar, K. S., & Babu, A. (2023). Disability Empowerment in Kerala: A Status Analysis and Vision for the Future. *Journal of Developing Societies*, 39(1), 104-127.

Sherin D R

- Philip, S., Sherin, D. R., Kumar, T. M., Badisha Banu, T. C., & Roy, R. M. (2023). Molecular docking and simulation studies of some pyrazolone-based bioactive ligands targeting the NF- κ B signaling pathways. *Molecular Diversity*, 1-11.
- Sherin, D. R., Linda, S. R., & Akhila, A. (2023). Unveiling the Inhibitory Potential of Gingerol Substructures against SARS-CoV-2 RBD: An Integrated Ensemble Learning and In Silico Screening Approach.

Sini V. Pillai

- Pillai, S. V., & Prasad, J. (2023). Investigating the key success metrics for WFH/remote work models. *Industrial and commercial training*, 55(1), 19-33.
- Pillai, S. V., Priyadarsini, R. S., & Kumar, R. S. (2023, May). Student Small Satellite Design and Development in India: A Review. In *Advances in Small Satellite Technologies: Proceedings of National Conference on Small Satellite Technology and Applications, NCSSTA 2020* (pp. 33-42). Singapore: Springer Nature Singapore.
- Pillai, S. V. (2023). Humanitarian and Crisis Management: Electric Vehicle Explosions in the Indian Scenario in POMS India Chapter, XLRI Jamshedpur.

- Pillai, S. V (2023). EV Market: Electric Vehicle Explosions in the Indian scenario" at Fortune Institute of International Business (FIIB), New Delhi, India

Sinnu Susan Thomas

- Arruda, E. F., Fragoso, M. D., do Val, J. B., & Thomas, S. S. (2023). A novel queue-based stochastic epidemic model with adaptive stabilising control. *ISA transactions*, 140, 121-133.
- Thomas, S. S., Lamine, G., Palandri, J., Lakehal-Ayat, M., Chakravarty, P., Wolf-Monheim, F., & Blaschko, M. B. (2023). Mitigating Bias in Bayesian Optimized Data While Designing MacPherson Suspension Architecture. *IEEE Transactions on Artificial Intelligence*, 5(2), 904-915.
- Badarinath, R., Raju, B. K., Mohammed, A. K., Prabhu, V., & Thomas, S. S. (2023). Real-time Vision Sensor for Volumetric Flowrate Estimation in Robotic Fused Filament Fabrication. *IFAC-PapersOnLine*, 56(2), 6569-6575.

Sumit Datta

- Deka, B., Mullah, H. U., Barman, T., & Datta, S. (2023). Joint sparse representation-based single image super-resolution for remote sensing applications. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 16, 2352-2365.

Tony Thomas

- SP, R., & Thomas, T. (2023). Cancelable biometric scheme based on dynamic salting of random patches. *Multimedia Tools and Applications*, 82(10), 14337-14366.
- Krishnan, A., & Thomas, T. (2023). Finger vein recognition based on anatomical features of vein patterns. *IEEE Access*, 11, 39373-39384.
- Nayar, G. R., & Thomas, T. (2023). Partial palm vein based biometric authentication. *Journal of Information Security and Applications*, 72, 103390.
- Prakash, R., Nayar, G. R., & Thomas, T. (2023, November). Security Risk Assessment of Metaverse Based Healthcare Systems Based on Common Vulnerabilities and Exposures (CVE). In *2023 IEEE International Conference on Recent Advances in Systems Science and Engineering (RASSE)* (pp. 1-10). IEEE.

- Uddin, M. M., Surendran, R., Gokul, G. R., & Thomas, T. (2023, November). A Data Flow-Based Approach for Classification and Risk Estimation of Android Apps. In 2023 IEEE International Conference on Recent Advances in Systems Science and Engineering (RASSE) (pp. 1-6). IEEE.

Projects

Funded by Kerala State Planning Board		Outlay in Lakhs
1	School of Computer Science and Engineering	
	Centre for Research and Innovation in Cyber Threat Resilience (CRICTR)	50
	Centre for Excellence in Brain Computing (CEBC)	50
	Centre for Computational Social Science (CCSS)	20
	Sixth Sense : CoE in Machine Learning	100
	Virtual resource center for language computing (VRCLC)	30
	Centre for Excellence in Pattern and Image Analysis (CEPIA)	20
	Image and Vision Computing (IVC)/ Optimization and Machine Learning Lab (OM)	20
	Total for School of Computer Science and Engineering	290
2	School of Digital Science	
	Centre for Data Science and Informatics	30
	Centre for Affective and Neuro Computing (CAN) Disaster	20
	Planspace, Kerala	115
	Centre for GIS	40
	Total for School of Digital Science	205
3	School of Electronic Systems and Automation	
	Centre for Open Electronics and Social Innovation (COESI)	40
	Centre for Intelligent Sensor Electronics and Applications (CISEA)	40
	Development of Ultrasound Transducer for Neuromodulation (DUTN)	20
	Total for School of Electronics Systems and Automation	100
4	School of Informatics	
	Ecological Informatics	40
	Total for School of Informatics	40
5	School of Digital Humanities & Liberal Arts	
	Centre for Innovation in e-Governance (CIE)	20
	Total for School of Digital Humanities & Liberal Arts	20

Centre for Augmentation for Web based multimedia (TEL4HQA)	10
Centre for Soft. Engg Knowledge and Proj Mgmt (SCKC)	20
Total projects	70
6 Knowledge Centre	
One-time financial assistance	50
Total	754.51

Consultancy Projects		Project Revenue (Rs. in Lakhs)
1	AHD RFID Based Health Management Project	720
2	DAH Web Based Disease Monitoring	21
3	GSTD Data Analytics Kerala	169
4	High Court E-Governance	19
5	Hydrographic Survey Web GIS Based Portal	25
6	KDISC Digital Workforce Management System	297
7	RIAB KUDSIT Project	50
8	RRI Rubber Information System	47
9	SNOU Digital Academic System	185
10	SNOU Learning Management Platform	6
11	GPS Survey Charges- Prison	0
12	IMG Website AMC Charges	1
13	Innovation Project Mentor Development ODOI KDISC 22	8
14	I&PRD Monitoring Portal	2

Large Research Projects			
1	Augmented and Virtual Reality Center (AVRC)	State Planning Board	130 Lakhs
2	India Innovation Centre for Graphene	Meity	8600 Lakhs
3	Development of Academic ERP	SNOU	215 Lakhs

4	RFID based Animal traceability and e-Health monitoring	Department of Animal Husbandry, GOK	720 Lakhs
5	IMMUNOCHAIN - Phase 2 (In collaboration with ICMR)	BIRAC	125 Lakhs

SI No	Name of Project	Sponsored by	Project Cost (RS. In lakhs)
1	Biometric PUF chip	C3iHub, DST	28
2	Robust identification of iron depositions using a predictable signal model for GRE phase: Implications to neurodegenerative diseases	ICMR	28
3	RTI Knowledge Portal - AMC	IMG, Tvm, GoK	1.7
4	Consultancy Services to Online Accreditation Portal	I-PRD, GoK	1.6
5	KISSAN Kerala	Department of Agriculture, GOK	60
6	AI-Based Pest Surveillance System	Department of Agriculture, GOK	15
7	Development of in-situ soil pH sensors	MeitY(through IISc Bangalore)	15
8	Development of Signal Processing Tools for Susceptibility and Conductivity Mapping from a Single MR Acquisition using a Spoiled Gradient Multi-Echo Sequence	SERB	27
9	Conductivity Investigation of a novel spatio-temporal unwrapping error reduction on clinical feature extraction in SWI.	DBT	28.57
10	Causal Optimal Transport for Summarizing the Unpaired Videos	DST SERB	21

11	A Neuroimaging tool for differential diagnosis of vascular dementia using MR oxymetry with proprietary field corrections	DBT	60
12	AI based Sematic Search Engine and Knowledge Discovery project	VSSC ISRO	40
13	AHD Online Service Delivery System	Department of Animal Husbandry, GOK	57.82
14	Investigation of a novel spatiotemporal unwrapping error reduction algorithm on clinical feature extraction in SWI	DBT	28.57
15	Compressed sensing MR phase recovery for fast quantitative susceptibility map estimation in multi-echo GRE acquisition	KSCSTE	29.81
17	Centre for Innovation in e-Governance	SPB, GoK	20
17	Novel Security Framework for Internet of Drones	DST	36.56
18	RKI PMS system	RKI, Govt of Kerala	35
19	Information Security Education and Awareness Phase 2 project	DeitY, GoI	6.06
20	Design and Implementation of Online Training and Learning Management Platform	ICPS, Women and Child Development Department, GoK	9.38
21	Online Learning and Training Management Platform for Integrated Child Protection Scheme	Women and Child Development Department, GoK	9.38
22	Developing policy inputs for faster economic recovery while promoting disaster preparedness via AI	British Council	15.2

Patents filed

SL No.	Inventors	Topic	Status
1	A.P. James, Kishan Kartha	A System and a Method for Controlling	Filed (Application Number:202241026246, Date of filing: May 05, 2022)
2	A.P. James, Vasudev S Mallan, Chithra R	a vehicle autonomously	Filed (Application Number:202241014109, Date of filing: 15-03-2022)
3	A.P. James, Aswani A R, Chithra R	An Invisible Drone Network Surveillance System	Filed (Application Number:202241014106, Date of filing: 15-03-2022)
4	Jose Joseph, Akshaya A. V, Nikila Nair, G. K. Ananthasuresh	and Method for Secure Data Transmission	Filed (Application Number:202241070870, Date of filing: 08.12.2022)
5	Prof. Jaishankar R ,Arjun CP	Developing a Non-invasive wildlife monitoring system to mitigate Human-wildlife conflict and promote conservation	Received Van teinhoven foundation grant

Kerala Blockchain Academy

Kerala Blockchain Academy is a unique initiative by the Government of Kerala through Kerala University of Digital Sciences, Innovation and Technology (formerly, IIITM-K) with a vision of "Leveraging Blockchain Technology for Public Good". KBA is the first of its kind Government Blockchain Academy in India set up in 2017. KBA is the first Indian academy to become an Associate Member and Official Training Partner of the Hyperledger Foundation under Linux Foundation, an umbrella project of open source Blockchains and related tools started by Linux Foundation in 2015. KBA mainly has two verticals: First is the Blockchain Powerhouse, focusing on capacity building programs in Blockchain technology including certification programs, R&D and consulting. Next is the Blockchain Garage, which focuses on collaborative solution development, IP generation and entrepreneurship promotion. KBA Blockchain Powerhouse is partnering with K-DISC for the Accelerated Blockchain Competency Development (ABCD) Program and has trained over 12000 professionals in the last 3 years. Blockchain Powerhouse currently has more than 1000 active online members through Special Interest Groups (SIG) in Ethereum and Hyperledger who works on various collaborative research/development initiatives of KBA. KBA is also a General Partner of R3 Consortium for Corda Blockchain and Official Education Partner of Zilliqa Blockchain Network. Kerala Blockchain Academy has established Kerala Blockchain Academy Innovation Club (KBAIC) in more than 50 member colleges to help students from academic institutions across the country to explore deep into the potential of Blockchain technology. KBAIC provides an opportunity to work closely with experts and experiment with the latest advancements in this domain. This will also help students to build their careers in the disruptive world of blockchain. Kerala Blockchain Academy currently offers eight instructor-led classroom/virtual

certification programmes and five online self-paced programmes through which more than 12000 learners across 32 countries have been trained.

Advisory Board

1. Shri. Mahadavan Nambiar, IAS (Rtd.) - Chairman
2. Dr. C. Mohan : Distinguished Visiting Professor - Tsinghua University & Retired IBM Fellow of IBM Research
3. Dr. Jane Thomason : Blockchain for Social Impact Advisor
4. Dr. Chandrasekaran Pandurangan, Professor(Rtd.), IIT Madras
5. Adv. N. S. Nappinai: Advocate - Hon. Supreme Court of India & Founder - CyberSaathi
6. Dr. Dilip Krishnaswamy: VP (New Technology Initiatives) Reliance Jio Infocomm Ltd
7. Dr. Sushmita Ruj : Senior Research Scientist CSIRO Data61, Australia
8. Michael Chael Gord: Founder & CEO, MLG Blockchain Consulting & GDA Capital.

Programs of Kerala Blockchain Academy

The major initiatives by Kerala Blockchain Academy were :

1. Development of a Learning Management System and Admission Portal for Sreenarayanaguru Open University.
2. Developed Software in collaboration with CDiT towards the implementation of the Digital Saksharatha Mission at Kilimanoor Grama Panchayath on a social commitment basis.
3. Development of Open Source Tools: Ethereum Block Explorer and EthVault
4. Development of a blockchain-based Birth and Death certificate solution for Information Kerala Mission.
5. Launching of Certichain: Blockchain-enabled certificate issuance and verification portal for Digital University Kerala.

6. Development and deployment of Agrochain project for client demo for SMARTEX Australia.
7. Conducted 21 Instructor-led Training Programs and self-paced programs with 4778 Learner enrollments.
8. Conducted 28 Workshops with 1893 participants.
9. Successful completion of the first batch of the Blockchain Excellency Program with 100% Placement.
10. Launching of 5 New Blockchain Programs: Certified Web3 Developer, Hyperledger Fabric Fundamentals (Go Lang), Developer Essentials for Blockchain, Certified Blockchain Associate(Spanish), Certified Ethereum Network Administrator
11. Implemented Kerala Knowledge Economy Mission Scholarship Program with a total enrolment count of 178.
12. Implement the PM AJAY Scheme in coordination with the SC Development Department of the Govt of Kerala.
13. Launched the book "Blockchain Technology: Algorithms and Applications" authored by Prof. (Dr.) Asharaf S, Sivadas Neelima, Adarsh S, and Franklin John.

Annual Event : BlockHash Live 2023

The 6th edition of BlockHash Live, Kerala's Annual Blockchain Summit, titled "Web 3.0 Nexus 2023," was hosted by the Kerala Blockchain Academy on December 15, 2023, at Park Centre, Technopark, Thiruvananthapuram. Over 300 enthusiasts participated in the event, which was inaugurated by Dr. Rathan U Kelkar, IAS, Secretary to Electronics and Information Technology. The keynote address was delivered by Prof. Sandeep Kumar Shukla from IIT Kanpur. In conjunction with the summit, an ideathon competition "Web3 for India 2030", a student workshop called "Beyond the Blocks" and a Faculty Development Program (FDP) was organized between 30th November 2023 and 14th December 2023. BlockHash LIVE 2023 also included the announcement of two new courses by KBA: "Developer Essentials for Blockchain" and "Certified Ethereum Network Administrator".

Admissions

MSc/ MTech Program

The selection to all MTech and MSc programmes of Digital University Kerala was conducted through a common admission process. Prospective students have to either (i) clear the Digital University Aptitude Test (DUAT) or (ii) possess a valid GATE/NET/JAM score in a relevant discipline.

For the MSc programs, GATE score holders with a valid score in relevant disciplines as on 1st April 2022 were exempted from taking the entrance examination. Interested UGC/NET/JAM qualified candidates in relevant disciplines were also exempted from taking DUAT for admission to MSc programs.

For the MTech programs, preference was given to the GATE-qualified candidates. The cut-off for the DUAT score for shortlisting was decided by the individual Schools on a yearly basis and can vary from one school to another. Their cut-off for the GATE score, NET, JAM and DUAT for shortlisting was decided by the individual Schools on a yearly basis. Separate rank lists were drawn up for reserved seats.

MBA Program

The selection to the MBA programme of Digital University Kerala was conducted through a common admission process. Prospective students had to have a valid score (tests since Nov, 2021) in CAT (IIMs), GRE(Code: 3457), CMAT (AICTE), KMAT (Kerala), XAT (XLRI), or NMAT (GMAC) on the basis of which they will be called for Group Discussion/Written Ability Test and interview, provided they have submitted the test score cards while submitting the application. Admission rank lists were prepared on the basis of an index score by the School. Separate rank lists were drawn up for reserved seats.

PhD Program

The applicants were shortlisted based on the DRAT exam score or valid GATE score. Those who have qualified NET/JRF or any other national fellowship exams approved by UGC in relevant disciplines were exempted from the DRAT exam. Appropriate relaxations in cut-off were applicable for OBC/SC/ST candidates. Statement of purpose shall be additionally required to be submitted for industry regular and part-time applicants. Appropriate weightage was given for work experience in the case of industry regular and part-time PhD applicants. The selection is based on the composite score prepared based on UGC guidelines and the criteria fixed by each School.

PGDeG Program

The entry-level requirement for the programme is a Bachelor's degree in any discipline with working knowledge of computer systems. Diploma / Certification in computer application will be an added advantage. Preference will be given to B.Tech / MBA / MCA degree holders.

Sponsored Government Officials – 15 seats (selection was done by the Kerala State IT Mission). 06 Officials from Autonomous institutions, Boards, Corporations, Universities, Public Sector Undertakings etc. under the State of Kerala. The selection was done by Kerala State IT Mission.

Number of students admitted

The classes for the First Semester of the new admissions 2022-2023 batch, started with the Orientation programmes on 22nd August 2022. The enrolment details are given below.

Details of Admissions to various courses 2022-23

Course	Sanctioned strength	Total
M.Sc. Data Analytics and Bio AI	90	20
M.Sc. Data Analytics and Geo-informatics		15
M.Sc. Data Analytics and Computational Science		49
M.Sc. Computer Science with specialization in Data Analytics	60	51
M.Sc. Computer Science with specialization in Cyber Security	90	73
M.Sc. Computer Science with specialization in Machine Intelligence	45	21
M.Tech Computer Science and Engineering	90	12
M.Tech Electronics Engineering	60	10
Msc Electronics	60	13
M.Sc. Ecology with specialization in Ecological Informatics	20	8
MBA	30	21
Total		293
Post Graduate Diploma in e-Governance	40	21
PhD		19

Program Accreditations

SI No.	Title	School	Sanctioned Strength	Remarks
1	MSc Computer Science with specialization in Machine Intelligence	School of Computer Science and Engineering	45	UGC Approved
2	MSc Computer Science with specialization in Cyber Security		90	UGC Approved
3	MTech Computer Science and Engineering (Connected Systems and Intelligence, Artificial Intelligence, Cyber Security Engineering)		90	AICTE Approved
4	MSc Computer Science with specialization in Data Analytics	School of Digital Science	60	UGC Approved
5	MSc Data Analytics and Bio AI		90	UGC Approved
6	MSc Data Analytics and Geoinformatics			UGC Approved
7	MSc Data Analytics and Computational Science			UGC Approved
8	MSc Electronics (Intelligence Systems and Imaging, IoT and Robotics, VLSI Design and Artificial Intelligence)	School of Electronic Systems and Automation	60	UGC Approved
9	MTech Electronics Engineering (Artificial Intelligence-Hardware, Signal Processing and Automation, Artificial Intelligence-Robotics, Computational Imaging)		60	AICTE Approved
10	MTech Electronic Product Design (Flexible)		30	To be Offered

11	MSc Ecology with specialization in Ecological Informatics	School of Informatics	20	UGC Approved
12	Master of Business Administration (Business Analytics, Digital Governance, Digital Transformation, Finance, Human Resources, Information Security Management, Marketing, Operations, Systems, Technology Management)	School of Digital Humanities and Liberal Arts	30	UGC Approved
13	PGDeG		40	
14	PhD		--	UGC Approved

Placement Report

Companies Visited

During the placement season of 2023, Digital University Kerala attracted numerous esteemed companies to its campus, underscoring its growing prominence in the academic and professional realms. Notable recruiters included Data Beat, H&R Block, Federal Bank, TROIS, EY, Cleareye, Techolution, Chubb, SunTech, GroupM, Innovation Incubator, Tata Elxsi among others. These companies offered a variety of roles such as Business Analyst, Data Scientists, and Digital Engineers, reflecting the diverse skill sets nurtured at the university. The participation of such high-profile companies highlights the university's success in aligning its curriculum with industry demands.

Placement Activities

To ensure students were well-prepared for the recruitment process, the university conducted a series of comprehensive placement activities throughout the year. These included workshops focused on resume building, interview preparation, and enhancing soft skills. Additionally, regular mock interviews and group discussions were organized to simulate the placement process, boosting students' confidence and readiness. Additionally, the Training and Placement Cell organized talks by industry leaders to make students aware of current industry trends and requirements. These activities were instrumental in equipping students with the necessary tools to excel in their interviews and secure coveted positions.

Placement Statistics

The placement season of 2023 saw a commendable placement rate, with 81% of the students successfully placed and 12 percentage opted higher studies and entrepreneurship and the rest were focused with other options. This impressive figure is a testament to the university's effective placement strategies and the caliber of its students.

Conclusion

The 2023 placement season at Digital University Kerala was marked by significant achievements, including a high placement rate and the active participation of top-tier companies. These accomplishments reflect the university's unwavering commitment to providing excellent career opportunities for its students and its role in supplying the industry with highly skilled professionals. The successful placement season underscores the effectiveness of the university's curriculum, training programs, and overall approach to student development, positioning it as a leading institution for higher education and professional growth.

Events @ Digital University



Events at Digital University

JANUARY 2023

Digital University Kerala joins hands with IISER for academic and research collaboration

Digital University Kerala (DUK) and the Indian Institute of Science Education and Research, Thiruvananthapuram (IISER) have formalized a collaboration through a Memorandum of Understanding (MoU) to foster academic and research cooperation. This partnership, marked by the signing of the MoU by DUK Vice Chancellor Dr. Saji Gopinath and IISER Director Prof. Jarugu Narasimha Moorthy, will establish a joint international center of excellence for translational research in data science and electronics manufacturing. Attendees at the signing included Prof. Alex P James and Prof. Asharaf S, Deans of Academics and Research & Development, respectively. The collaboration aims to integrate the strengths of both institutions, spanning basic science to practical applications, through joint academic programs and research projects. The initiative will also develop joint MSc, M.Tech, and PhD programs in data science, electronics, and interdisciplinary fields, alongside student exchange programs to enhance collaboration with researchers, experts, and industry partners, preparing students for their future careers.

DACE second batch course inaugurated

The courses for Digital Access for Community Empowerment (DACE) second batch commenced on Feb 1, 2023, which was inaugurated by Digital University Kerala (DUK) Vice Chancellor Dr. Saji Gopinath. This course allows students to understand social issues and to attempt technology solutions. The students as part of DACE gather relevant data from communities that will be useful in integrating digital technologies for community development. Students work as teams during their visit to various areas.

FEBRUARY 2023

Virtual IT Cadre Training Program for the Officials from the Industrial Training Department

The 10-day Residential Virtual IT Cadre Training Program for officers from the Industrial Training Department took place from February 13-24, 2023, at the Digital University Campus. This

initiative, established by the Government to ensure the effective implementation of various e-Governance projects, selected 30 candidates for intensive training at the Kerala University of Digital Sciences, Innovation and Technology. The program included classroom sessions, interactions with senior officials, and experience sharing by practitioners. The curriculum covered the Basics of Information Systems, Principles of Good Governance and e-Governance, Core IT Infrastructure, and orientations to the National e-Governance Plan and Digital India. Advanced topics included planning and designing e-Governance projects, Government Process Reengineering, and preparing critical project documents. Information security was also emphasized due to its growing importance in government systems. Additionally, participants received training in Microsoft PowerPoint and Excel to enhance documentation skills. They completed group exercises and presentations on Government Process Reengineering, which were commended by senior officials. The concluding session was attended by Shri. K P Sivasankaran, Smt. Mini Mathew, and Shri. Vinod Kumar.

Capacity Building Program in e-Governance and Productivity Enhancement in Workplace using ICT Tools

To enhance the skills and abilities of the Kerala Motor Vehicle Department's human resources, a Six-Day Capacity Building Program was conducted from February 20-25, 2023, at the Digital University Campus. Coordinated by Shri. Jayachandran M.B., Chief Technical Officer at Digital University, the program aimed to provide effective orientation on e-Governance and the use of ICT tools in daily office activities. The program also covered disruptive technologies like Blockchain, AI, ML, and IoT. Twenty-eight participants from both uniformed and administrative staff attended the first batch. The training included classroom lectures, interactions with e-Governance project managers and experts, case studies, and presentations. A full-day motivational session was particularly appreciated by the participants. Additionally, sessions on stress management and soft skills were conducted. Training in data management, analysis, charting, report generation, and presentation techniques was led by Shri. Gopakumar, University Librarian. The program concluded with Shri. Mahes S., Motor Vehicles Inspector, and Nodal Officer (Training) attending, followed by a post-evaluation test where the top performer was recognized.

UBA February 2023

On Cancer Awareness Day, February 4th, the Unnat Bharat Abhiyan Unit of Digital University Kerala organized a cancer awareness talk and breast cancer screening event in Powdikonam ward, Uliyazhathura village, one of five villages adopted by the university in Thiruvananthapuram. The event, held in collaboration with KIMSHEALTH and ward councillor Archana Manikandan, was coordinated by Pradeep Kumar K and Dr. Sreelekha Nair. The program began at 10:30 am at the Avukkulam Sree Dharma Sastha Aminity Centre, with Prof. K.G. Satheesh Kumar presiding. Mrs. Archana Manikandan inaugurated the event with a lamp lighting ceremony and speech. Felicitations were delivered by Pradeep Kumar K and Ms. Parvathi from IISER. Dr. Rithu from KIMSHEALTH provided an informative talk on breast cancer and conducted screenings with her team. Abhijith S, a UBA student volunteer, hosted the event, and Dr. Sreelekha Nair gave the vote of thanks. The program screened 29 women and included an awareness talk by Ms. Reshma Ramachandran of KIMSHEALTH, continuing until 2:30 pm. Volunteers Soumya C S, Meenakshi G S, Divyasree, Jafeel V, and DUK staff also participated, strengthening UBA's community ties.

DUK participated in the Exhibition at Kerala State Biodiversity Congress

Digital University Kerala (DUK) participated in the 2nd Kerala State Biodiversity Congress 2023 exhibition held at Govt. Arts and Science College, Calicut from February 18th to 20th, organized by the Kerala State Biodiversity Board. DUK showcased its flagship master's and research programs in Ecological Informatics and Bio Artificial Intelligence, with representatives Mr. Niyas M, Mr. Vishnu M, and Mr. Adarsh S in attendance.

In a significant boost to entrepreneurship, the Department of Industries and Commerce, Government of Kerala, has embarked on an ambitious initiative to develop one lakh industrial units within a year. To support this, 1153 project executives with technical and managerial expertise have been recruited to serve as resource counselors, linking with government departments and agencies. To enhance their skills, DUK has designed an eight-month Certificate Program in Small Business Management, tailored to cover various aspects of MSME growth. This unique program, offered in three batches of 300 participants each, aims to provide a

comprehensive foundation in small business management, from business plan development to implementation, leveraging digital technologies.

Batch 1 (Trivandrum cluster) started in October 2022, followed by Batch 2 (Cochin cluster) in December 2022. The inauguration of Batch 3 (Calicut Cluster) took place on February 10-11, 2023, at St. Joseph's College, Devagiri, Calicut. The event featured Hon. VC, Prof. Ananthakuttan Unnithan from IIM K, and Mr. MA Mehaboob, President of Malabar Chamber of Commerce, with a panel discussion on MSME opportunities and challenges in Kerala. DUK faculty, including Prof. Alex James, Prof. Satheesh Kumar, and others, facilitated the networking sessions, emphasizing the practical application of sound management principles to real-life business situations.

Talk on "AI for Earth Observation"

Prof. Mihai Datcu, German Aerospace Center, DLR and Politehnica University of Bucharest (UPB), visited Digital University Kerala. He gave a talk on "AI for Earth Observation" in which several AI techniques and their use cases in agriculture and urban mapping were discussed.

DUK Students Visited Fab Lab

Students of Digital University Kerala (DUK) visited Fab Lab, a digital fabrication facility functioning as a rapid prototyping platform supporting innovation. The field visit organized by the Institutions Innovation Council (IIC) and the Innovation Club provided students a chance to get first-hand experience about various activities taking place at Fab Lab and how it benefit an entrepreneur.

International Mother Language Day

Digital University Kerala (DUK) observed the International Mother Language Day on 21st February by taking a pledge that highlighted the importance of the mother tongue. Students, faculty, and staff joined the function.

Workshop on "Innovation & Entrepreneurship"

A workshop on "Innovation & Entrepreneurship" was held at the Government Industrial Training Institute for Women Kazhakootam by Digital University Kerala's Institution's

Innovation Council (IIC) and Innovation Club DUK. The session was conducted by Dr. Malu G, Research Officer, DUK.

Digital Access for Community Empowerment

Digital Access for Community Empowerment (DACE) is a 3-credit, 300-level core course offered by the School of Digital Humanities and Liberal Arts at Digital University Kerala, mandatory for all Master's programs. This year, the course was held in collaboration with Loyola Extension Services (LES), Sreekaryam, and spanned twelve days. It was attended by first-year postgraduate students, divided into six batches. The course aimed to expose students to real-world community issues beyond the classroom. Through interactions with community members, students identified significant problems and sought digital solutions. Classroom lectures on social research theories and methods, including Participatory Rural Appraisal, prepared students for fieldwork. Activities were designed to equip students for community engagement, highlighting the challenges of interacting with strangers about community issues, some of which intersect with personal concerns. Fieldwork commenced on the third day after intensive preparation. Students visited urban slums, coastal, agricultural, and tribal communities within Thiruvananthapuram District, with guidance and assistance for approaching community leaders and members. One day of interaction helped students identify key community problems. A follow-up field visit focused on developing digital solutions. Challenges included varying levels of digital technology exposure among community members, necessitating a blend of technological and social solutions. Student narratives on their experiences followed this summary.

MARCH 2023

Engineering and Diploma Technical Books in Malayalam Dedicated to the Nation by the Honourable President of India

On March 17th, the Honourable President of India Smt. Droupadi Murmu dedicated the Malayalam-translated technical books for diploma and engineering courses to the nation. Governor of Kerala Shri Arif Muhammed Khan released a copy to AICTE Chairman Prof. T G Sitharam, who handed it to the President for the dedication ceremony. This initiative, led by Digital University Kerala (DUK), aims to promote mother tongue usage in technical education, enhancing understanding and learning outcomes. In the first phase, seven technical textbooks were translated into

Malayalam, aligning with the National Education Policy (NEP) 2020. The Ministry of Education and AICTE have launched this translation project in 12 regional languages, including Malayalam, to foster creativity and critical thinking among students. DUK was designated as the Nodal Centre for translating textbooks for 20 courses in the first year, covering 11 diploma and 9 degree-level courses. These books, based on Outcome-Based Learning and AICTE's 2018 Engineering and Technology model curriculum, include real-life examples. Professors from various Kerala colleges were appointed as translators and reviewers. Malayalam became the fourth Indian language to release first-year course textbooks, with 42 second-year engineering books currently being translated. Over 100 faculty members, along with a 10-member team from DUK's Virtual Resource Centre for Language Computing (VRCLC), are dedicated to this mission.

British Deputy High Commissioner's Visit

Digital University Kerala was happy to host Alan Gemmell British Trade Commissioner for South Asia and Chandru Iyer British Deputy Trade Commissioner for Investment, South Asia, who visited the campus on Wednesday. Apart from discussing various ongoing collaboration with the UK Universities and exploring new opportunities, the delegation also visited the Graphene & 2D Materials Lab at DUK.

Signing of MoU with Carborundum Universal Ltd (CUMI)

Digital University Kerala (DUK) has signed a memorandum of understanding with Carborundum Universal Ltd (CUMI) to set up a Centre of excellence for new products and services, and to build skilled manpower for the energy and electronics, Graphene and 2D materials, and additive manufacturing sectors.

KSIDC Organised Growth Lab Program

A one-day Growth Lab was organized by DUK for CEOs and representatives from the top management of Food Processing MSMEs of Kerala in Renai, Kochi on March 6, 2023. The lab was organized by KSIDC, with DUK being the knowledge partner. The event was inaugurated by the Hon'ble Minister for Industries and Coir, GoK, Shri P. Rajeev. Prof. Saji Gopinath, Vice Chancellor, Digital University Kerala, Shri A. P. M. Mohammed Hanish, IAS, Principal Secretary, Industries Dept., GoK, and Shri S. Harikishore, IAS, Managing Director, KSIDC, addressed the gathering during the

inaugural function. The Growth Lab was attended by representatives from about 30 MSMEs in the food processing sector. The sessions included topics on growth models, digital marketing & branding, growth financing options, and opportunities in the food sector. Pradeep Kumar K., Chair, Centre for Continuing Studies, Prof. Satheesh Kumar K. G., Distinguished Visiting Professor, SoDiHLA, and Mr. Jayachandran M. B., CTO, DUK, provided support to organize the event.

Comprehensive Rubber Information System Platform (CRISP) launched by Digital University Kerala for Rubber Research Institute of India (RRII)

The Comprehensive Rubber Information System Platform (CRISP), developed by the Digital University of Kerala (DUK) for the Rubber Research Institute of India (RRII), was launched by ZP Patel, Vice Chancellor, Navsari Agricultural University, Gujarat, at a function in RRII Kottayam. Dr. Saji Gopinath, Vice-Chancellor, Digital University Kerala, released the book 'Status Report: Molecular and Physiological Markers for Genetic Improvement of Natural Rubber'. The CRISP app was developed by a team headed by Radhakrishnan T., Coordinator, Geospatial Analytics, DUK.

Physical Networking Session

Physical Networking session 2 was conducted for Batch 1 Post Graduate Certificate Program on Entrepreneurship: Small Business Management with 160 participants on 9 March 2023 at Digital University Kerala. It was an online simulation on Business Strategy conducted in a workshop Mode. The school of Digital Humanities and Liberal Arts facilitated the one-day workshop.

Blue Ocean Strategy

Dr. Satheesh Kumar, Dr. Sini V. Pillai, Mr. Pradeep Kumar, Mr. Jayachandran attended a two day hands-on workshop on Blue Ocean Strategy lead by INSEAD Alumnus and Blue Ocean Practitioner Stephanos George Eapen on 28 and 29 March 2023.

International Women's Day 2023 Celebration in DUK Campus

On March 8, 2023, International Women's Day, DUK Unnat Bharat Abhiyan volunteers, in collaboration with the DUK Women's Cell, Innovation Cell, and Institution's Innovation Council, celebrated International Women's Day at the Digital University Kerala campus. Unnat Bharat Abhiyan reiterated its commitment to driving a technology-led vision of development for the DUK-

adopted villages by becoming a partner in this year's Women's Day, which had the theme DIGITALL: Innovation and Technology for Gender Equality. This year's Women's Day program included unprecedented activities by the student community, such as a poster designing competition, film screening, and women's creativity exhibition stall. Winners of the poster competition were given awards by Prof. Satheesh Kumar K.G.

Medical Awareness Talk

On March 9th, 2023, the National Service Scheme (NSS) of DUK, in collaboration with the KIMSHEALTH Cancer Center, conducted a medical awareness talk as a pre-inaugural program to raise awareness about cancer and the importance of early detection and prevention. The event, anchored by Cyber Security student Abhijith S, began with a welcome speech by fellow student Akshaykrishna N. Professor K.G. Satheesh Kumar delivered the presidential address, while Pradeep Kumar K, Chair of SoDiHLA (UBA & NSS Coordinator, DUK), and gave the inaugural speech. Mr. Niyas, Academic Assistant at DUK, introduced the NSS before Dr. Shabin, Registrar of Radiation Oncology at KIMSHEALTH Cancer Center, led a session on cancer awareness. The session, attended by both students and staff of DUK, concluded with Dr. Shabin receiving a memento of appreciation from Jayachandran M B, Chief Technical Officer at DUK. Soumya CS, a Machine Intelligence student, gave the vote of thanks. The successful event educated the community on cancer prevention and early detection, and the NSS, DUK, and KIMSHEALTH Cancer Center were commended for their efforts.

Talk on Blockchain Adoption by Enterprises

A session on "Blockchain Adoption in the Enterprise" by Bob Crozier, Chief Architect, Head of Enterprise Architecture & Global Head of Blockchain, Allianz Technology, Munich, Germany, was held on March 20, 2023. The talk was attended by students, faculty, and staff of DUK. A few senior officials from Allianz Technology, Thiruvananthapuram office also participated.

Guests at DUK

Marcelo Esperguel Sandoval, Director of Civil Computer Engineering at the Universidad Autónoma de Chile (UoA), visited the university to explore synergies in the areas of Blockchain, artificial intelligence, cybersecurity, and geospatial technology.

The program provided a platform for experts from both institutions to exchange ideas and explore potential collaboration opportunities in these cutting-edge areas.

IEEE Kerala Women in Circuits and Systems Symposium (K-WiCAS)

The School of Electronic Systems and Automation at Digital University Kerala (DUK) conducted the IEEE Kerala Women in Circuits and Systems Symposium (K-WiCAS) in association with IEEE Circuits and Systems Society (CASS) Kerala as part of International Women's Day. The symposium was held at Digital University Kerala on March 8, 2023.

Beach Cleaning Drive

The National Service Scheme (NSS) Cell of Digital University Kerala & Unnat Bharat Abhiyan (UBA) unit organized a beach cleaning drive in Kochuveli. As part of the drive students and staff volunteers collected and disposed the waste from the beach in an environment-friendly manner.

Pothencode Bus stand and Town Cleaning

On March 9, 2023, a team of 15 students, led by Dr. Sreelekha Nair from DUK's community engagement team, visited Pothencode Panchayat to discuss waste management strategies for the town. This visit was in response to an invitation from the Panchayat, which includes Keezhthonnakkal, one of the five villages adopted by DUK. The team met with the Panchayat president and ward members to outline effective waste management steps. They also participated in a cleaning drive at the Pothencode KSRTC bus stand and surrounding areas with the Haritha Karma Sena. The team removed posters and unauthorized advertisements from the bus stand walls and cleaned the bus stand, Main Street, and footpaths with equipment provided by the Panchayat. The collected waste included plastic, metal, glass, and food waste. Town residents, including shopkeepers, cooperated and assisted in the cleaning efforts. The task was completed by 5:00 PM, and the Panchayat and public appreciated DUK's volunteer activity. The team hopes this initiative will inspire others to improve waste management in their areas.

APRIL 2023

PM Narendra Modi laid the foundation stone of India's first Digital Science Park in Kerala

India's first third-generation Digital Science Park, whose foundation stone was laid by Prime Minister Narendra Modi, aims to transform Kerala into a hub for knowledge economy and higher learning. Situated on a 13.93-acre site as part of Technopark Phase IV-Technocity, near the Kerala University of Digital Sciences Innovation and Technology (Digital University of Kerala-DUK), this project is designed as a multidisciplinary cluster-based innovation zone focused on digital technologies. The park will initially support industry and business units, as well as technology start-ups in areas like Artificial Intelligence (AI), robotics, electronics, smart hardware, and sustainable materials. It will feature two buildings, totaling 200,000 square feet. The first building, spanning 150,000 square feet and comprising five floors, will host Centres of Excellence, research labs, and digital incubators. The second building will include administrative offices and a digital experience center. Operations will commence from a 10,000-square-foot space in Kabani at Technopark Phase IV within the next few months. Announcing the Rs 1,500 crore project, Modi emphasized the importance of developing both physical and digital connectivity for national progress under the vision of 'Ek Bharat, Sresht Bharat' (One India, Great India). The Park will become operational with the launch of its first center on electronics system design, focusing on analog and mixed-signal systems, VLSI (very-large-scale integration), AI processors, and related fields. U.K.-based semiconductor and software design company ARM has partnered with Digital University Kerala for academic, research, and startup activities at this center. Covering a total area of 1,000,000 square feet in two blocks, the park will support industries and start-ups in AI, robotics, electronics, smart hardware, and sustainable materials during its initial phase.

DUK to collaborate with TKM and Thrissur GEC for research in electronics engineering

Digital University Kerala (DUK) has signed memorandums of understanding (MoU) with Government Engineering College Thrissur (GECT) and TKM College of Engineering, Kollam, to collaborate on research-oriented programs in electronics engineering. The partnerships will focus on areas such as Very-

Large Scale-Integration (VLSI), signal processing, and embedded systems, enabling students and staff to develop chips, circuit boards, and hardware products together. The MoUs were exchanged during the G20-Digital Innovation Alliance (DIA) national roadshow at Maker Village in Kochi. DUK Dean (Academics) Alex James exchanged MoUs with GECT's Industry Institute Interaction Cell coordinator Praseetha P. Nair and Shabeer S., head of the Electronics and Communications Engineering department at TKM College. Dr. James highlighted that these collaborations aim to combine DUK's expertise in chip design and signal processing with the engineering colleges' talent, fostering mutual research interests, start-ups,, and development activities, while also promoting experiential learning.

XploitMAP: Mapping Attackers Reachability to Secure Your Network | Digital University Kerala

Students of Digital University Kerala (DUK) have developed a web-based and interactive security application, XploitMAP, to generate and visualize attackers' reachability in an organizational network.

Breast Cancer Screening Camp, Melthonnakkal Village, Mangalapuram Panchayat

In collaboration with KIMSHEALTH Cancer Centre, the Social Engagement Cell of DUK organized a Breast Cancer Screening Camp on April 7, World Health Day, at the NSS Karayogam Hall, Melthonnakkal. The program, coordinated by Pradeep Kumar K., involved essential contributions from DUK volunteers Abhijith S, Muhammed Anwar Khan, Lekshmi Sundar, and Rohit Joseph Gomez. Pradeep Kumar K. and Dr. Satheesh Kumar, Chair of SoDiHLA, along with the student volunteers, assisted Dr. Shabin from KIMS Cancer Centre in successfully conducting the event. The camp aimed to raise awareness about breast cancer and emphasize the importance of early detection. Breast cancer is the most common cancer among women globally, and early detection significantly improves treatment outcomes and survival rates. Regular screening is crucial for early detection, and such camps play a vital role in promoting breast cancer awareness and screening.

Additionally, Dr. Jose Joseph (Assistant Professor at Digital University Kerala) and his team at the School of Electronic Systems and Automation, in collaboration with the Indian Institute of Science Bengaluru (IISc Bangalore), developed a portable, IoT-enabled pH meter. This robust pH meter, devoid of fragile sensing elements, is suitable for real-time applications. The project was funded by the Ministry of Electronics & Information Technology, Government of India, under the NNetRA funding scheme.

Device for Intraoperative Auto-transfusion

The team of Prof. John Eric Steephen from the School of Digital Sciences, Digital University Kerala created a device for Intraoperative Auto-transfusion to help save patients who lose significant volumes of blood in emergencies like ruptured ectopic pregnancy in remote areas where access to blood banks is limited. This patent-pending gravity-driven device collects, filters, and reinfuses the blood lost by patients back into their circulatory system.

Resume Building workshop for the 2023 batch

As part of the placement activity and to address the immediate concern expressed by the final-year students, a workshop on Resume Preparation and email etiquette was held on 1st April 2023 coordinated by the Placement team of DUK. The session was conducted in a hybrid mode. The students who are doing internships outside TVM attended the workshop online via Zoom facilities Workshop Facilitator: Ms. Sangeetha Panickar

PGCSBM Batch 2 Physical Networking session

Physical Networking Session 2 was conducted for Batch 2 Post Graduate Certificate Program on Entrepreneurship: Small Business Management with 150 participants on 27 April 2023 at Digital University Kerala. It was an online simulation of Business Strategy conducted in a workshop Mode. The School of Digital Humanities and Liberal Arts facilitated the one-day workshop.

One-day experiential learning program conducted by Digital University Kerala

One-day experiential learning program to support enhancing the student capabilities in developing digital marketing platforms for the students of Kerala Agricultural University, College of Agriculture, Vellanikkara, Thrissur was conducted on 11 April 2023. 40 students and 3 Professors from KAU attended the day-long

experiential learning program. The session started with an introduction and context setting by Dr. Sini V Pillai and she clearly explained the relevance of technology in agriculture highlighting innovations in Agriculture 4.0. Prof. Satheesh Kumar gave an outline of Digital Marketing. Mr. Sreedas from D.U.K. Agri project gave insights into Digital Technology Applications in Agriculture. Prof Radhakrishnan T. from School of Digital Sciences provided insightful details of GIS for Agriculture. Dr. Jose Joseph took a session on Sensors and sensor technology in Agriculture and Mr. Adarsh From Kerala Block Chain Academy introduced Blockchain applications in Agriculture.

MAY 2023

AIFORALL-Certificate Distribution and Compendium of Projects Release

Certificate distribution and Compendium of projects release ceremony for the second batch of Capacity Building in Artificial Intelligence & Data Analytics conducted by Digital University Kerala for the staff of Directorate of Economics & Statistics held at Directorate Conference Hall, Vikasbhavan, Thiruvananthapuram on 30-05-2023.

Kerala Chief Minister Inaugurates State-of-the-Art Electronics and PCB Labs at Digital University Kerala, Lays Foundation Stone for International Hostel

Three projects of Digital University Kerala were inaugurated by Kerala Chief Minister Shri Pinarayi Vijayan via online on May 19th. The state-of-the-art Electronics Lab and the PCB lab, while foundation stone was laid for the International Hostel coming up in the DUK campus.

Partnership - Digital University Kerala ties up with UK-based semiconductor firm Arm

Digital University Kerala (DUK) has joined the Arm Academic Access (AAA) program that enables academics to innovate, evaluate, design, and manufacture with commercially proven IP from UK-based global semiconductor company Arm, at no cost.

Industry Institute Interaction at UST Infinity Lab

On May 30, 2023, MTech Computer Science, MTech Electronics, and MSc Ecology students from Digital University Kerala visited the UST Campus in TechnoPark Phase II, Trivandrum. This

industry-institute interaction, followed by a visit to the Infinity Lab, aimed to provide students with insights into industry practices and career opportunities. Coordinated by Mr. Mahendra K.S and supported by the Chair of Placements, DUK, the visit included a session with a senior UST official who highlighted the skills and competencies required for a successful career. The session offered valuable insights into current industry trends and sought-after skills. The students then toured the Infinity Lab, where coordinators showcased innovative projects, particularly in drone technology. They introduced advanced surveillance drones and delivery drones with cutting-edge imaging and transportation capabilities. The visit was an enriching experience, exposing students to industry practices and ongoing innovative projects. The combination of theoretical knowledge and practical exposure broadened their horizons and provided real-world application insights. The students and coordinators expressed their gratitude to UST for organizing such an informative visit. Overall, the UST Industry Institute Interaction and Lab Visit successfully fostered a strong connection between academia and industry, equipping students with the skills and insights needed to thrive in the IT sector.

Cyber Security Training – SECURE YOUR CYBERSPACE

Kerala Security Audit and Assurance Center (KSAAC) hosted a two-week training program on cyber security for second-semester computer engineering students of Government Women's Polytechnic College Kaimanam, Thiruvananthapuram, from May 15-26, 2023, at the DUK campus, Technopark Phase 4. A total of 59 students actively participated in the program, which was organized under the CSR activities of DUK. The purpose of the program was to provide the necessary knowledge and skills to protect their information assets and secure their digital space. An online examination was conducted to assess their learning levels. Certificates of participation were awarded to all students who actively participated in all the sessions and completed the assessment process.

Household Survey

DUK has adopted five villages under the Unnat Bharat Abhiyan program. The Social Engagement Cell of DUK has been looking forward to collaborating with the elected representatives and participating in various development activities in these villages. As

an initiation to all the development activities in these villages, the student volunteers have started a household survey using an app developed by DUK. There are more than twenty thousand households in total across all the adopted villages. A household survey in Keezh Thonnakkal Village has been initiated. Before starting the survey, the student volunteers had a meeting and discussion with Pothencode panchayat members.

District Institute of Education and Training (DIET) Attingal visited DUK

District Institute of Education and Training (DIET) Attingal visited the Digital University campus on 18th May 2023. The purpose of the visit was to learn and understand the various technologies and advancements that our university offers in the field of digital studies. A cyber security awareness session was also conducted along with the visit. The Kerala Security Assurance and Audit Center (KSAAC) Team along with DUK hosted the event and around 33 participants were there.

Health Awareness Talk

To commemorate the International Day of Action for Women's Health celebrated worldwide on May 28, the Social Engagement Cell of DUK organized a medical awareness talk on women's health at 2 pm on the 25th of May, 2023. Dr. Shabin K. Siddique from KIMSHEALTH Cancer Centre handled the session. The students interacted with the doctor and clarified their queries about their health and well-being.

One-Day Program on Digital Signature and Public Key Infrastructure

Digital University Kerala has successfully organized a one-day program on Digital Signature and Public Key Infrastructure on May 29, 2023, in association with C-DAC Bangalore and the Controller of Certifying Authorities (CCA), Ministry of Electronics and Information Technology, Government of India. The program focused on the usage of Digital Signatures, the technological processes involved, and the legal implications. More than 100 officers working with public/private sectors attended the program.

Waterbody Management Meeting with Pothencode Panchayat Representatives

The Social Engagement Cell at DUK is taking initiatives to preserve, restore, and manage the water bodies in the adopted

villages. Keezh Thonnakkal village, which is seven kilometers from the university, falls under the Pothencode Panchayat. Ward members of Keezh Thonnakkal village visited the university campus and met with the Social Engagement Cell team and a member of the faculty of Ecological Informatics at 3 pm on May 8, 2023. Pradeep Kumar K., Coordinator of the Social Engagement Cell, chaired the meeting. They discussed the need and scope of water management in their village. The panchayat representatives were keen and enthusiastic about working with the university, firmly believing that preserving and restoring water resources would solve the water crisis in their village.

JUNE 2023

Visit of Shri. Alkesh Kumar Sharma IAS Secretary, Ministry of Electronics and IT, Government of India

Shri. Alkesh Kumar Sharma IAS Secretary, Ministry of Electronics and IT, Government of India visited the university and interacted with the Vice-chancellor, faculty, and research scholars of the university.

Training in Open-Source IC Design from the School of Electronic Systems and Automation

School of Electronic Systems and Automation at Digital University Kerala recently conducted an enriching workshop on Training in Open-Source IC Design. Participants explored the intricacies of digital circuit design, delving into the fundamentals of Verilog and gaining hands-on experience in open-source IC design.

Establishment of Brain Computing Lab to Foster Research in Neuroscience

Digital University Kerala (DUK) has inaugurated a state-of-the-art brain computing lab at its Centre for Excellence in Brain Computing (CEBC). Officially opened on June 14, 2023, by DUK registrar Sri. P Suresh Babu, the lab is equipped with advanced facilities for extracting and processing EEG signals. Dr. Elizabeth Sherly, head of CEBC, highlighted the significance of the lab, calling it a milestone that underscores DUK's commitment to cutting-edge neuroscience research. The inauguration included a training session on using the lab's equipment, featuring a 16-channel EEG signal extraction and processing software for precise brain activity analysis. CEBC plans to further expand the lab with

eye-tracking devices, promising more comprehensive research capabilities. This new lab aims to enhance research in computer vision, speech research, and brain activity studies, with broad implications for user experience design, market research, neurology, psychology, educational research, clinical psychology, and human-computer interaction. The lab's advanced facilities are expected to make substantial contributions to the scientific community and pave the way for breakthroughs in brain-computer interaction.

Google IO Extended 2023 at Digital University Kerala

Google Developer Group (GDG) Trivandrum, is a local community of developers, tech enthusiasts, and professionals in Trivandrum. It is a part of the broader GDG community, which is supported by Google and aims to foster collaboration and learning among developers worldwide. They organize regular meetups, workshops, hackathons, and other events that focus on a wide range of topics related to Google technologies, products, and developer tools. The event 'Google I/O Extended 2023' was conducted on Saturday, June 10, 2023 at DUK. 123 participants actively participated in the program. Google I/O is an annual conference where the world hears about Google's latest developer solutions, products, and technology.

Meeting with Harithakeralam Mission

The Social Engagement Cell (SEC) at Digital University Kerala (DUK) has launched an integrated approach to managing water bodies in Keezhthonnakkal, one of its adopted villages, following a request from the Pothencode Panchayat. SEC volunteers visited Keezhthonnakkal to assess the condition of its water bodies and found that many require proper preservation. Recognizing that one-time cleaning is not a sustainable solution, the SEC at DUK organized a meeting with the Harithakeralam Mission on June 23, 2023, to seek expert advice and explore possibilities for future collaboration on integrated water body management in the adopted villages.

Be Cyber Smart: Secure your Digital Life One Month Cyber Security Program

The Kerala Security Audit and Assurance Center (KSAAC) hosted a four-week cyber security training program for 4th-semester computer engineering students from Government

Polytechnic College Attingal, Thiruvananthapuram, from May 10 to June 2, 2023, at the Digital University campus, Technopark Phase 4. A total of 29 students actively participated in the program, organized as part of DUK's CSR activities. The program aimed to equip students with the knowledge and skills necessary to protect their information assets and secure their cyberspace. An online examination was conducted to assess their learning levels, and certificates of participation were awarded to all students who attended all sessions and completed the assessment process.

DACE 2023-2024 Field Identification Visit

The Social Engagement Cell (SEC) of DUK visited potential communities in the DUK-adopted villages to identify the best field site for the DACE batches of 2023-24. SEC volunteers who completed their DACE program last semester also joined the visit, helping the team with the students' perspectives. During the visits, students of DUK opened up on DACE and the way the program helped the students understand the importance of solving real-life problems, using the technical know-how they learn in the classrooms. Some fields included Baskar Nagar colony Pallithottam colony in Athiyannoor village and Nethajipuram in Keezhthonnakkal village.

Blood Donation Camp

The Social Engagement Cell and Physical Education Department of DUK jointly organized a blood donation camp on June 1, 2023, in collaboration with TEJUS and Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram. The event was a huge success, with over a hundred people registering online. However, around 30 registrants were turned down due to issues such as inappropriate hemoglobin levels, medication intake, and lack of sleep. Additionally, walk-in donors had to be turned away because the number of registered participants was more than sufficient. Sree Chitra staff mentioned that this was the first time they had experienced such a large turnout at a single camp. The day was a proud moment for the DUK community.

Interaction of students with the Honourable Vice Chancellor of DUK on Social Engagement

Students involved in the social engagement activities of DUK had the opportunity to interact with the esteemed Vice Chancellor,

Prof. Saji Gopinath, during a session organized by the Social Engagement Cell at DUK. His views on social engagement and the importance of the DACE program were thought-provoking. He discussed the transformative potential of community engagement activities and emphasized the need for inclusive digital initiatives that address the unique challenges faced by different communities. The students found the event truly inspiring. The Honourable Vice Chancellor's vision of equipping DUKians to use technology for societal betterment and his commitment to inclusive digital initiatives left a lasting impression on them. Pradeep Kumar K., Coordinator of the Social Engagement Cell, enlightened students on the processes and programs for implementing the Vice Chancellor's vision.

Academic Forum of Project Management Institute Inaugurated at Digital University Kerala

The Kerala University of Digital Sciences, Innovation, and Technology (Digital University of Kerala), a research and postgraduate teaching university, aims to facilitate and promote studies, research, incubation, and extension work in digital technologies. The Academic Forum of the Project Management Institute (PMI-Kerala Chapter) was inaugurated at Digital University Kerala (DUK) on June 15, 2023. PMI-Kerala, a local chapter of the global Project Management Institute, seeks to bridge the knowledge gap between academia and industry by leveraging the expertise of PMI's professional members. The forum serves as a platform for students to interact with and receive mentorship from industry professionals. It offers students industry-specific learning opportunities, volunteering roles to support the United Nations' Sustainable Development Goals (SDGs), networking with senior professionals, and chances to organize events and attend professional conferences. The Academic Forum was inaugurated by Dr. K Kesavasamy, Former Head of the Academic Interface Program at Tata Consultancy Services and a member of the Academic Advisory Group at PMI India. Mr. Brajesh C Kaimal, Co-founder and Director of Experion Technologies (India) Pvt. Ltd and a Global Volunteer at PMI, delivered the keynote address. The event was initiated with a

welcome address by K. Pradeep Kumar, Faculty Coordinator of the PMI Academic Forum.

9th International Yoga Day

Digital University Kerala celebrated the 9th International Yoga Day at DUK campus. The event witnessed an enthusiastic participation of faculty, staff, and students as they engaged in a rejuvenating yoga session.

World Environment Day Celebration in DUK Campus

Social Engagement Cell and Ecological Informatics lab organised planting young trees in DUK campus as part of the celebration of World Environment Day at 9 am on June 5, 2023. This event is expected to contribute to the greening and beautification of the campus. This occasion was aimed at creating awareness of the importance of conservation of the ecosystem and the sustainable use of natural resources. Members of the faculty, staff, and students actively participated in the event. The Honorable Vice Chancellor inaugurated the celebration by planting a tree. Screening of the movie *The Elephant Whisperers*, the first ever Indian short film that won the Oscar award on the evening of the World Environment Day was another highlight of the celebration on the DUK campus.

Book Exhibition

A book exhibition is organized by the Knowledge Centre, Digital University Kerala from 5th to 7th June 2023 at DUK campus. It allowed students and faculty to explore a wide range of books, engage in intellectual discussions, and nourish the mind.

Knowledge Centre Conducted User Education Programs at DUK

The Knowledge Centre recently organized two insightful sessions aimed at empowering faculty members, research scholars, and postgraduate students with the skills required to write scholarly articles. Held on June 22nd, the sessions covered important topics such as mapping academic research using Web of Science and EndNote, as well as writing high-quality technical papers for IEEE and utilizing IEEE Xplore effectively. The first session, titled "Mapping Academic Research on the Journey to Excellence using Web of Science and EndNote," was conducted by the esteemed Dr. Subhasree. Participants had the opportunity to learn valuable techniques for mapping and organizing academic

research using the powerful tools of Web of Science and EndNote. Dr. Subhasree's expertise and guidance proved to be invaluable in helping attendees navigate the vast landscape of scholarly articles and references. The second session focused on two significant aspects: "Writing Quality Technical Papers for IEEE" and "IEEE Xplore: Delivering Research Better than Ever." The session was jointly conducted by Dr. Dhanu Pattanshetti and Mr. Nandalal, who shared their extensive knowledge and experience with the eager participants.

JULY 2023

DUK 1st Convocation Ceremony

Kerala University of Digital Sciences, Innovation, and Technology (Digital University Kerala) celebrated its first convocation on 31st July 2023 at CDAAC Amphitheatre, Thiruvananthapuram. The event was attended by esteemed dignitaries, faculty members, graduating students and their parents, and was presided over by Prof. Vijay Chandru, Chairman, Board of Governors, Digital University. Shri. Arif Muhammed Khan, Hon'ble Governor of Kerala and Chancellor of Digital University Kerala was the Chief Guest. Shri. Vinod Dham, Father of Pentium Chips was the Guest of Honour. The ceremony began with a welcome address by Prof. Saji Gopinath, Vice Chancellor, Digital University Kerala. He congratulated the graduates and presented the annual report. In his keynote address, Shri. Vinod Dham highlighted the duties of graduating students and to discover their unique calling as they embark on their professional journeys. Prof. Vijay Chandru shared his experiences on the digital transitions in the nation. Hon'ble Governor emphasized on imbining compassion, love, and emotional resilience along with the professional excellence in his convocation address. In the convocation, 124 students were conferred with the degrees. Outstanding Awards of Academic Excellence was presented to Gokul G R, Mainak Sen, Justus Raju, Aparna S and Nima Bibhoosh. The convocation was followed by a panel discussion on Emerging Technology: Future Discussion Series. The panellist was Shri. Vinod Dham, Prof. C Mohan (Ex. IBM and Google Researcher and DUK Board Member), Prof. Vijay Chandru and Shri. Anoop Ambika (CEO, Startup mission) moderated the session.

Fireside Chat on Emerging Technologies: Future Discussion Series

A fireside chat on Emerging technologies: Future Discussion Series was hosted by Digital University Kerala, technically supported by IEEE Kerala Circuits and Systems Society, Kerala Startup Mission and organised by The Institution's Innovation Council of Digital University Kerala. The speakers of the session were Shri Vinod Dham, popularly known as the "Father of Pentium Chip", Founder and Executive Managing Partner at IndoUS Venture Partners ; Prof. Vijay Chandru, Chairperson, Board of Governors of Digital University Kerala, Executive Advisor of ARTPark AI and Robotics Technology Park, IISc ; Dr. C Mohan, Expert Member of, Board of Governors of Digital University Kerala and Distinguished Professor of Science, Hong Kong Baptist University and the event was moderated by Shri. Anoop Ambika, CEO of Kerala Startup Mission. The sessions were set on three prominent contexts namely " Semiconductor Policies and Opportunities", " Artificial Intelligence trends and directions " and "Digital Biology" followed by a fireside chat with the panelists.

Emerging Technologies and the Disruption of Business

The Institution's Innovation Council (IIC) and Innovation Club - DUK organised a tech talk on "Emerging Technologies and the Disruption of Business". Ms. Edwina Fitzmaurice, Global Chief Customer Success Officer, EY, a well-known technologist was the speaker for the event. She leads a network of customer success technology hubs across EMEA, Asia-Pacific, and the Americas and she is a G20 speaker, World Economic Forum Global Future Council Member and a great influencer in the professional networking platforms. The talk dwelled on the immeasurable opportunities offered by the three major technological disruptions namely Web 3.0, Metaverse and Artificial Intelligence. The role of Gen Z, and Generative AI in the transformation of digital revolution was also discussed. The talk also emphasized the fact that innovation, enforcement and regulation are mutually reinforcing.

Navigating the Cyber Security Landscape: Essential Training for Career Starters

Kerala Security Audit and Assurance Center (KSAAC), an initiative of Digital University Kerala (DUK), hosted an awareness program titled "Navigating the Cyber Security Landscape: Essential Training for Career Starters" on July 15, 2023. This event was designed for graduate students interested in cybersecurity

careers, aiming to provide valuable insights into the dynamic field of cybersecurity. The program equipped participants with essential knowledge and skills to succeed in the industry. Mr. Narendra Kumar K., Manager of Channel Sales at EC Council, discussed the importance of cybersecurity certifications and career planning. Other sessions were conducted by the KSAAC team. Held at the DUK campus from 10:00 AM to 4:00 PM, the event saw active participation from nineteen attendees. Certificates of participation were awarded to all active participants. Conducted under DUK's CSR activities, the KSAAC team is dedicated to organizing similar future events to bridge the gap between academia and industry, helping aspiring cybersecurity professionals realize their full potential.

Plan your Future: Cyber Security Awareness for Early Career Professionals

To educate and empower students in cybersecurity, the Kerala Security Audit and Assurance Center (KSAAC) at Digital University Kerala (DUK) hosted a comprehensive program on July 8, 2023, titled "Plan Your Future: Cyber Security Awareness for Early Career Professionals." Targeted at 12th pass and undergraduate students, the program aimed to provide fundamental concepts of cybersecurity, enabling participants to protect information assets and mitigate potential cyber-attacks. Ms. Pooja Joshi, Senior Director and Country Head of EC Council, discussed the importance of cybersecurity certifications for career planning. Additional sessions were conducted by the KSAAC team. Held at the DUK campus from 10:00 AM to 4:00 PM, the program saw active participation from seventy-two students. Certificates of participation were awarded to all active participants. The event was part of DUK's CSR activities, highlighting its commitment to fostering cybersecurity awareness and career opportunities for students.

Physical Networking Session 2 of Post Graduate Certificate Program on Entrepreneurship: Small Business Management (PGCSBM) Batch 3

Physical Networking Session 2 was conducted for Batch 3 Post Graduate Certificate Program on Entrepreneurship: Small Business Management on 3rd July 2023 at Digital University Kerala. A total of 160 students registered for the program, and almost 100 showed up physically for the session. It was an online

simulation of Business Strategy conducted in a workshop Mode. Mr. Abdul Baji took the one-day session from CESIM Business Simulations, Bangalore the School of Digital Humanities and Liberal Arts facilitated the one-day workshop.

3rd Networking Session and Final Examination for Batch 1 Post-Graduate Certificate program in Entrepreneurship: Small Business Management on 20th July 2023

The third networking session and final examination for Batch 1 PGCSBM students were conducted on 20th July 2023 at DUK campus. 102 eligible participants who cleared all the evaluation requirements attended the third networking session, and the final examination was conducted. A last project Review and Evaluation was overseen by Dr. Sini V Pillai. The Chair of School of Digital Humanities and Liberal Arts, Dr. Satheesh Kumar KG, addressed the students during the feedback session after the final examination.

CeTMS - A software Solution for Centralised eTicket Issuing, Monitoring and Analysis for Museums

Centre for Digital Transformation & Innovation (CDTI) submitted a Functional Requirements Specification (FRS) to the Dept. of Archaeology, Govt. of Kerala, as part of the project to develop an application for Centralised e-ticket Issuing and Monitoring System (CeTMS). The CDTI team conducted a detailed requirement study of the proposed software at 17 museums under the Department of Archaeology. The team prepared a comprehensive Functional Requirements Specification (FRS) based on the study. CeTMS will be a State-of-the-Art System that allows electronic management of museums, including management of ticket counters, museum publication stores, etc. It will have a dashboard to access real-time information on museum revenue and visitor information to all key stakeholders. Improved operational efficiency, digital payment system, comprehensive dashboard & management tools, and provision of high-quality services to citizens are the key objectives of the CeTMS. Discussions were held with the Archaeology Dept team on future possibilities for collaboration.

EY GDS College Mentorship Program with DUK

EY GDS College Mentorship Program, an initiative of EY GDS to foster meaningful relationships between DUK campus community

and EY leaders, was launched on July 5, 2023. Ms. Smitha Nair, Associate Director (GDS Consulting- Internal Transformation Services), is the industry mentor from EY assigned to DUK.

Pursuing Higher Education in US

The Placement cell and Research Office jointly hosted a talk on different aspects of pursuing higher education in the USA on 21st July 2023. It was an excellent opportunity to understand the application process, scholarship, etc., from Ms. Shanthi Mohan, Advisor - Education USA (A US Department of State Network)

Stakeholders' Meeting on Management of Waterbodies in Pothencode Panchayat

As part of the integrated water body management initiative in DUK's adopted villages, the Social Engagement Cell organized a stakeholders' meeting at DUK on July 11, 2023. The meeting included representatives from the Harithakeralam Mission, Minor Irrigation Department, Mahatma Gandhi National Rural Employment Guarantee Scheme, Pothencode Panchayat, Kudumbashree, and faculty from Eco Informatics and Geo-spatial groups. Prof. Saji Gopinath, Vice Chancellor of DUK, outlined the university's role in preserving and managing water bodies, highlighting state-of-the-art inventions from various DUK departments. Dr. T. N. Seema, Executive Director of the Navakeralam Mission, emphasized the importance of leveraging technological know-how in future waterbody initiatives. Stakeholders shared their views on water body management, and Pradeep Kumar K., Coordinator of the Social Engagement Cell, stressed the need for coordinated efforts to address preservation and usage issues. Additionally, Prof. Radhakrishnan, Dr. Sooraj, and Dr. Jose Joseph discussed their departments' potential contributions to the initiative.

Social Engagement Cell's Meeting with HarithaKeralam Mission

As a part of the water bodies' management initiatives by DUK in its adopted village in Pothencode Panchayat, Social Engagement Cell@ DUK had a meeting with HarithaKeralam Mission at the latter's headquarters on 5th July 2023. Centre for Geospatial Technology and CV Raman Labs for Ecological Informatics from DUK also were part of the meeting. Representatives of the other stakeholders in this initiative - the Minor Irrigation Department, Mahatma Gandhi National Rural

Employment Guarantee Scheme- were present in this meeting. The meeting underlined the role of the Digital University in facilitating the utilisation of technology in future for the better management of water bodies.

Democratizing AI

Student council conducted a seminar on the topic of "Democratizing AI" on July 21, 2023. Mr. Shamshad Ansari, CEO and co-founder of Accure Inc. in USA, led the session. He is an alumnus of IIITMK. The session helped students to learn more about new data science technologies and how they work. He opened up the world of AI through his short speech. Dr. Ashraf (Dean of Development) and Md. Meraj Uddin also participated in the event.

Gala Milo - Night Gathering of DUK

Student council started conducting a night gathering for students called "Gala Milo." It will be conducted once every two months to reduce academic stress and improve students' extracurricular activities. The first Gala Milo was conducted outside the hostel premises with light arrangements and black tea. Students presented their skills in the program. Students and staff also participated in the event.

Live streaming Chandrayaan-3 at DUK

The Student Council initiated live streaming of Chandrayaan-3 at DUK. Chandrayaan-3 is a historic mission that will mark India's third lunar landing. It was vital for students to witness this event and learn more about India's space program. Students, staff, and faculty became witnesses to the launch.

DACE Program at Digital University Kerala

DACE program at Digital University Kerala prepares a student to develop digital solutions for social good. Students venture out to the downtrodden communities to understand their problems and develop viable digital solutions to address it. Song and photos of fisherfolk captured by DUK students during their visit at Valayathura, a fishing hamlet in Thiruvananthapuram, Kerala.

AUGUST 2023

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 of Kerala, one of the state's oldest and a key revenue contributor, is set to enhance governance, transparency, and operational efficiency. The current manual process for licensing approximately 5200 toddy shops will transition to an IT-enabled system, reducing manual reliance across Kerala's districts. This initiative aims to maintain tamper-proof records and aligns with the government's digital transformation policy for administrative procedures. The Center for Digital Innovation and Product Development (CDIPD) has developed the integrated digital solution e-toddy (www.etoddy.keralaexcise.gov.in) to manage the entire licensing process online. The platform provides a unified digital interface for applicants, licensees, and officials, handling tasks like the sale process, lottery selection, and digital payments. This comprehensive, workflow-based system enhances the Kerala Excise Department's ability to manage all licensing aspects

digitally, offering real-time analytics for top-level authorities to facilitate prompt decision-making. Overall, this initiative aims to improve the efficiency and transparency of the toddy shop licensing process, aligning with the state's modernization and digital policy goals.

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

The RFID-based animal traceability and e-health management system has achieved significant success in Kerala. The Center for Digital Innovation and Product Development (CDIPD), funded by the Department of Animal Husbandry, GoK, successfully implemented a pilot project in the Pathanamthitta district. Over 49,000 cattle and buffaloes, representing more than 80% of the district's animal population, have been tagged with RFID, with the remaining animals to be tagged within the next two weeks. Veterinary officials visited farms to tag the animals and input relevant details into e-Samrudha, a mobile-based digital livestock management platform developed by DUK. This system allows each animal to be uniquely traced, enabling efficient veterinary services and health monitoring. This initiative will greatly assist the Department in implementing effective breeding management, livestock insurance, and farmer advisory services. This accomplishment makes Pathanamthitta the first district in India with 100% digitally traceable livestock, marking a significant milestone in animal management.

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 ground breaking research and creative endeavours, 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 held on August 24, 2023. Organized by Digital University Kerala and the Institution's Innovation Council (IIC), the event aimed to provide insights into opportunities and benefits available for startups through incubator programs on campuses and those offered by the Kerala Startup Mission. Mr. Krishnakumar, Head of Leap, South Kerala, Kerala Startup Mission, was the speaker. The session educated participants on the support provided by these programs, including mentorship, resources, funding, and networking opportunities. Mr. Krishnakumar explained the role of accelerators and incubators in nurturing early-stage entrepreneurs and transforming their ideas into successful businesses. He highlighted the benefits of joining such programs, including access to experienced mentors, networking with investors and industry experts, resources and infrastructure, and funding opportunities. Success stories of four student entrepreneurs from M.E.S College of Engineering, who founded Genrobotics Pvt Ltd, were shared to inspire participants. The speaker emphasized the importance of a strong business idea, market potential, and entrepreneur commitment. The session also underscored the significance of collaborations between academic institutions, industry, and accelerators/incubators to create a supportive ecosystem. A dedicated Q&A session allowed participants to seek clarification and further enriched their understanding of startup stages.

KBA Conducted several educational tracks as part of FREEDOM FEST2023

As part of Freedom Fest 2023, Kerala Blockchain Academy (KBA) organized a series of educational events. On July 29, 2023, basic Blockchain training was held at Saroj Bhavan, Kozhikode. This was followed by a Web3 Development Bootcamp in Ethereum Blockchain and a session on Central Bank Digital Currency on August 14-15, 2023, at Tagore Theatre, Trivandrum. KBA aimed to enhance the technical capabilities of IT professionals in the Blockchain domain, encouraging innovative projects. The Blockchain workshop saw participation from 131 students and IT professionals. Freedom Fest 2023 celebrated knowledge, technology, and innovation, promoting openness and progress in Kerala's journey towards a knowledge society. A panel discussion on "Blockchain in Banking: CBDC and Future of e-RUPI in India," featuring experts like Prasanna Lohar and Mahesh Govind, explored the future 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, researchers from the School of Computer Science and the School of Ecological Informatics visited the Kanikkar tribal community in the Vithura and Kallar Scheduled Tribe settlements. The visit aimed to understand the community's demographics and livelihood strategies as a precursor to establishing a Science, Technology, and Innovation (STI) Hub for a central government project. The Kanikkar tribe, residing in Kerala's Agastyar hills, are known for their rich biodiversity and traditional herbal medicine practices. The team visited Smt. Lekshmikutty Amma, a renowned tribal medical practitioner awarded the Padma Shri in 2018. They observed challenges related to land, livelihood, basic services, cultural preservation, and environmental sustainability. This visit documented the unique biodiversity of the Agastyar hills and its significance to the Kanikkar tribe, laying the groundwork for technological interventions to improve their livelihood.

Resume Building Workshop

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.

Alumna Inspires Christ College BBA Students in "Aspire" Program

An esteemed alumna of Christ College, Irinjalakuda, returned to conduct an enriching session for BBA students titled "Aspire," organized by the Department of Management Studies. Approximately 100 students attended this two-hour session, eager to learn about the higher education opportunities at Digital University Kerala. The session covered various topics, including an introduction to the university, its selection process, course overviews, and fee structures. Students got a glimpse of campus life and hostel facilities and learned about networking, conferences, internships, and placement opportunities. To keep the session engaging, management games focused on team-building, listening skills, and cognitive abilities were incorporated, making the learning process enjoyable. The positive feedback from participants highlighted the session's success in inspiring students to pursue higher studies.

Commemoration of Hiroshima-Nagasaki Day

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

Meeting on Water Management

A meeting was conducted by the Pothencode Panchayat on the 3rd of August to review the plans for the Neerthada nadatham (Watershed Walk) that was scheduled for 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), Thettiayar

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 Thettiayar 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 Thettiayar.

Follow Up of Batch 5 DACE 2023 Kalliyoor Project

In a rare show of commitment, the students who participated in the DACE program in February 2023 revisited the agricultural sector of Kalliyoor Panchayat on August 22, 2023, accompanied by Dr. Sreelekha Nair from the Social Engagement Centre. Their first stop was the Kalliyoor Agricultural Office, where they discussed current agricultural conditions and government support initiatives for local farmers. They then connected with the creators of the Kalliyoor Greens App and visited the College of Agriculture in Vellayani, where they met the Associate Director of the Department of Extension Studies. She shared insights into past projects and expressed interest in collaborating with DUK by sharing data and facilitating student connections. The visit was highly productive, leaving the team motivated to pursue their project with renewed enthusiasm under the guidance of 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 Karma Padhathi. This event was held on the eve of the

Neerthada Nadatham of Thettiyar 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

To develop a library in the Sankar Nagar colony that falls in Ward no. 9 of the Athiyannoor Panchayat, the 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.

Project Management Institute Capacity Building Training of Pothencode Panchayat Members

The Social Engagement Centre at Digital University Kerala, in collaboration with the Project Management Institute (PMI) Kerala Chapter, conducted a Project Management Training session for Pothencode Panchayath members and office staff on August 19, 2023. Led by Archana Govind, Vice President of Social Outreach at PMI Kerala, the session aimed to impart essential project management skills. Key speakers included Anitha, Vice President of Pothencode Panchayat, Pradeep Kumar K., Coordinator of the Social Engagement Centre, Hariprasad P S, VP-Finance of PMI Kerala, and Jayakishore S R, past President of PMI Kerala. The training engaged 21 attendees, covering topics like project definition, the role of project managers, stakeholder dynamics, and

organizational structures. The session concluded with an interactive Q&A and feedback gathering, significantly enhancing participants' project management skills for community initiatives. The event ended at 1:30 PM.

Participation of DUK students in the Initial Round of Prajatantra

At the request of the Students' Council, the Social Engagement Centre supported student volunteers in the initial stages of Prajatantra, a national virtual college festival by Praja Foundation aimed at young Indians. This platform allows college students to connect and compete in various events. Seven DUK students participated in the initial round themed 'Model City Government'. Coordinator Pradeep Kumar K. and the Social Engagement Centre organized an online meeting with Dr. Lizbeth from the Centre for Public Policy Research, Kochi, on August 20, 2023. The festival provides DUK students exposure to national-level competition, emphasizing the importance of teamwork and effective communication.

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.

September 2023

Induction Program for 2023-25 Batch Students

Digital University Kerala hosted a Grand Induction Program for our 2023-2025 batch students. Our newest cohort of students has officially embarked on a transformative journey of learning, innovation, and growth. The Induction Program served as a warm welcome into the world of endless possibilities and cutting-edge education.

Induction Program for the New Batch of Students of Computer Science and Engineering

The orientation program for the 2023 batch held at DUK from the 11th to the 15th of September was a resounding success, providing students with an insightful glimpse into the dynamic and ever-evolving world of technology. Over the course of five days, students were exposed to a diverse range of topics, ensuring they are well-prepared to embark on their academic journey in computer science.

DUKInnoFest'23

DUKInnoFest'23: Celebrating a Year of Innovation and Inspiration as we mark the 1st birthday of the Innovation Club, celebrated by organizing the Smart India Internal Hackathon!!

Session on "Real-Life Cases of Business Analytics Projects in the Industry"

A session on "Real-life cases of Business Analytics projects in the industry" was organized for the benefit of students by the School of Digital Humanities & Liberal Arts on 14 Sept. 2023. The session was taken by Roopa M, Lead, AI-ML initiatives for Data Management, Tata Consultancy Services. Through real-life case studies, the talk gave insights on the practical aspects of implementing Business Analytics in the industry.

Talk on Digital Transformation in the Banking & Finance Sector

A talk on "Digital Transformation in Banking & Finance sector" was organized by the School of Digital Humanities & Liberal Arts on 14th September, 2.00 to 3.15 PM. The session was open to all the students. Industry expert, Sunil P, Former Sr. Delivery Head, Finastra, Technopark gave a detailed presentation on the way digital transformation is evolving in banking and finance through the adoption of the latest technologies.

C-BioAI Sagenome Visit

As part of the Industry Readiness Program at the Centre for Bio AI, School of Digital Sciences, DUK, MSc Data Analytics and Bio AI students (S3) visited Sagenome Lab for a workshop on "Molecular Biology & Bioinformatics" on September 28, 2023, with Dr. Sherin DR (Assistant Prof., SODS). Dr. Dinesh Roy began the workshop with a session on Genomics, its importance, and applications in science and medicine. Further talks were given by Ms. Kanchana

S.B Nair, Ms. Resmi Maxim, and Mr. Bijesh George, discussing the 'Oh My Gene' healthcare platform and precision healthcare solutions. An expert-led lab tour showcased the workings of genomic testing machines. The session covered principles of lab equipment, the importance of a balanced diet, and provided insights into Bioinformatics, internships, career opportunities, and potential employment with Sagegenome Pvt. Ltd.

Student Team Participates in Wings 2023-PMI-Kerala Academic Conclave

The DUK Project Management Institute Academic Forum members gathered at Saintgits College of Engineering, Kottayam to attend the WINGS-2023 Conclave. The theme of the conclave, "Accept. Adapt. Transform" echoed throughout the proceedings, inspiring attendees to push the boundaries of their knowledge and creativity. The keynote speakers, experts from various fields, delivered thought-provoking talks that left the students inspired and eager to explore the limitless possibilities in solving global problems through project management. With more than 500 attendees, the students got the opportunity to network with industry professionals and like-minded individuals from various institutions.

DUK Student Team Receives the Best Conference Paper Award at WINGS 2023

Two of our students, Anjana P Rajesh and Vedavyasan Anil have been awarded the Best Conference Paper Award at the recent academic conclave, WINGS 2023 held at Saintgits College of Engineering, Kottayam. Their paper, titled "Measuring the success of social projects through project management framework" not only demonstrated a profound understanding of the subject matter but also highlighted a practical application that promises to improve the performance of social projects.

DUK Organized an Innovation and Entrepreneurship Outreach Program for School Students

The Institution's Innovation Council of Digital University Kerala organized an Innovation and Entrepreneurship Outreach Program for school students. This program aimed to nurture the innovative ideas of school children and encourage them to design and solve real-world challenges. Dr. Malu G, Research Officer, led

the sessions. Seven students from the third semester of M.Sc. Machine Intelligence supported her during the program.

DUK Conducted One Day Workshop on Open - Source IC Design for Classes 6 to 10

The School of Electronic Systems and Automation at Digital University Kerala hosted an exciting and educational workshop on chip design on 23 September at Digital University Kerala for young minds aged 10 to 15. The workshop provided a unique opportunity for kids to explore the fascinating world of chip design. The hands-on activities and interactive sessions delivered the participants valuable insights into the technology that powers our digital world. It was a day filled with creativity, learning, and the promise of a brighter, tech - savvy future!

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

A session on Accelerators/Incubation - Opportunities for Students & Faculties -Early-Stage Entrepreneurs was conducted by Institution's Innovation Council (IIC), Digital University Kerala on August 24th, 2023. The event provided valuable insights to students, faculties, and early-stage entrepreneurs about opportunities available in startup ecosystem and various campus incubation programs offered by Kerala Startup Mission. Mr. Krishnakumar, Head of Leap, South Kerala, Kerala Startup Mission led the session in which various support provided by Kerala Startup Mission including mentorship, resources, funding, and networking opportunities were highlighted.

DIGIFUSION

Fresher's Day 2023 - Digital University Kerala

The event kicked off at sharp 10am on 17th of September with the inauguration ceremony at Kabani Hall, overseen by Mr. Md Meraj Uddin, Chairman of Students' Affairs of DUK. In a captivating moment, Mr. Meraj sprinkled sparkling dust onto a board, unveiling the event's name - Digifusion. Following this, the cultural programs began, featuring a mix of songs and dance performances by both senior and junior students. At the middle of the cultural performances, a lively ice-breaking session was introduced to add excitement. This session included various tasks such as spot dances and ramp walks, ensuring that the students remained engaged and entertained. At noon, a delightful lunch was provided,

and concurrently, the voting for the titles of Mr. and Ms. Fresher commenced. After lunch, the highly anticipated Treasure Hunt took place. Each team received a series of clues that led them on a thrilling journey throughout the entire campus. Following this enjoyable experience, the evening came alive with a sensational music show by the Bakery Junction Band at Kabani Hall. The hall was lit with radiant lights, pulsating music, and boundless energy. The event came to closure at around 7pm with the announcement of the titles of Mr. and Ms. Fresher, along with the photography sessions. True to its name, the event truly lived up to its name as a fusion of diverse talents and programs, making it a remarkable day for each and everyone.

Quiz Competition and Photography Contest

Social Engagement Centre (SEC), Digital University Kerala conducted a Quiz competition and a Photography contest on the occasion of the World Environment Health Day, on 26th September 2023. The Quiz competition was conducted by the Core Committee of the SEC, composed of student volunteers. Initial round was a paper-pen test among the 11 teams (of two members) present and the second round was held among the four teams. Vivek B Krishna, (MSc Data Analytics with Specialization in Geo Informatics) and Sreya K Raj, (MSc Data Analytics with Computational Science) were the quiz masters. Team Phoenix (Devika Renjith & Ann Maria Josmon) secured the first place and Team RB (Rahulraj P V & Benitto Angelose) won the second prize. The Photography Competition was an opportunity for participants to showcase their creativity and talent through their lens. The theme of the competition was "Nature and Sustainable Development". The judges evaluated the photographs based on their composition, creativity, and relevance to the theme. The winning photograph was submitted by Gonguntla Pranathi of 1st year MSc (Ecological Informatics).

Mock Aptitude Test for the third semester students for attending Tata Elxsi Campus Recruitment Drive on 11th September 2023

Placement Cell conducted a mock aptitude test on 11th September 2023 for third semester students as a part of preparatory session for attending Tata Elxsi Recruitment Drive. Almost 140 students attended the exam and the session was addressed by Dr. Sini V Pillai, Placement Chair.

Preparatory sessions on Interview Skills for the third Sem students for attending Tata Elxsi Campus Recruitment Drive on 12th September 2023 and 13th September 2023

Preparatory Sessions on Interview Skills took place on the 12th and 13th of September 2023, for the third semester students for equip them for the upcoming Tata Elxsi Campus recruitment drive. These sessions held at the Gallery Hall 45, and we had the privilege of having Mr. Bejoy Peter, a seasoned Corporate Trainer, as the facilitator. These sessions were an excellent opportunity for all the students to enhance their interview skills and make a positive impact on our career prospects. Mr. Peter is renowned for his engaging and interactive training style, made those sessions highly valuable.

Third Physical Networking session and Final Examination for Batch 2 Post-Graduate Certificate program in Entrepreneurship: Small Business Management on 22nd September 2023

The third networking session and final examination for Batch 2 PGCSBM students were conducted on 22nd September 2023 at DUK campus. 131 eligible participants attended the third Physical networking session and the final examination was conducted on the same day. A final project Review and Evaluation was overseed by Dr. Sini V Pillai, Assistant Professor, School of Digital Humanities and Liberal Arts

OCTOBER 2023

Launching of WebGIS Modules Developed by DUK for Rubber Board

Dr. Tessy Thomas, Former Director General, Aeronautical Systems, DRDO, Launched the WebGIS portal on Flood vulnerability of rubber plantations for Kerala and Landslide Susceptibility of rubber plantations for Meghalaya, designed and developed by Centre for Geospatial Analytics, DUK. The launch was held in connection with the Foundation Day Celebration of RRII, 2023 on 16 October 2023 at Silver Jubilee Hall, RRII. These two information systems facilitate planters adopt necessary interventions to safeguard the plantation from disasters. Sri. M. Vasanthagesan, IRS, Executive Director, Rubber Board and Dr. Jessy M.D, Director (RRII), Prof. Radhakrishnan, Ms. Anju, Mr. Lal Prakash and Mr. Sarath Zacharia were present during the function.

AI-FOR All Third Batch Inaugurated

The third batch of the Capacity Building in AI and Data Analytics program, part of the 'AI-FOR-All' initiative, commenced on October 11, 2023, with 14 high-level officials from the Directorate of Economics & Statistics (DES) and the Agriculture and Animal Husbandry Departments. Dr. Saji Gopinath, Honorable Vice Chancellor of Digital University Kerala, inaugurated the event, with addresses by Dr. Mujeeb A, Registrar DUK, Sri. Sreekumar B, Director of the Economics and Statistics Department, and Dr. Elizabeth Sherly, Distinguished Professor and Coordinator of the program. Mr. Surag M. from Digital University Kerala delivered the vote of thanks. Dr. Saji Gopinath emphasized the importance of empowering government employees with digital skills to transform government services into IT-driven workplaces. Dr. Mujeeb praised Digital University for its proactive role in providing specialized technical skills. Dr. Elizabeth Sherly highlighted the ongoing efforts to upskill government employees. Mr. Sreekumar assured support for training employees in AI and predictive models. Funded by Kerala IT Mission, this 45-day program aims to develop future talents in alignment with evolving government service needs. The first and second batches successfully trained Kerala Police Department and the Directorate of Economics and Statistics.

Inauguration of Hack-X: Tech Society at DUK - A Grand Success!

On October 19, 2023, Digital University Kerala (DUK) in Thiruvananthapuram celebrated the inauguration of the Hack-X Tech Society, marking a significant milestone in the university's journey into technology and innovation. The event also featured activities for Cybersecurity Awareness Month. The inauguration, officiated by Dr. A. Mujeeb, Honorable Registrar of DUK, and a presidential address by Prof. Md. Meraj Uddin, Assistant Professor and Chair of Students' Affairs, showcased the collaborative spirit of the DUK community. Highlights included a Cybersecurity Awareness Quiz and Crossword Mystery Games, which engaged students in fun, educational activities. A technical session on "Email Security and Forensics in the Modern Era" by Mr. Midhun Mohan M G, a Digital Forensics and Incident Response Analyst at EY, provided valuable insights. The event, supported by the Kerala Security Audit and Assurance Centre (KSAAC), emphasized the importance of unity and cooperation. The Hack-X Tech Society aims to foster innovation, collaboration, and technical excellence, with future plans for engaging activities and workshops. The society is grateful for the support of the university administration,

KSAAC, and the enthusiastic participation of students and faculty, looking forward to continued advancements and shared knowledge.

Online Lecture on 'Ecological responses to climate extremes in terrestrial environments'

In an enlightening session held on October 25, 2023, at 12:00 PM, the School of Informatics proudly hosted Dr. Madhav P Thakur, serving as the Assistant Professor and Head of the Terrestrial Ecology Division at the Institute of Ecology and Evolution, University of Bern, Switzerland. Dr. Thakur's presentation provided a deep dive into the intricate world of terrestrial ecology, uncovering the latest advancements and research frontiers. Attendees gained valuable insights into the dynamic interplay between ecology and informatics.

Internship Success: Ms. Lakshmi Niranjana

The event also spotlighted Ms. Lakshmi Niranjana, a dedicated M.Sc. Ecology student specializing in Ecological Informatics (S3). Currently, Ms. Niranjana is interning under the expert guidance of Dr. Thakur, an opportunity made possible through the prestigious ThinkSwiss Research Scholarship.

Blockchain 360 - An Ambitious Initiative by Kerala Blockchain Academy

Kerala Blockchain Academy is launching the "Blockchain 360" training series, starting on November 16, 2023. This initiative aims to empower marginalized communities in Kerala by providing comprehensive blockchain technology training, including workshops, developer exercises, internships, job assistance, and more. Organized in collaboration with the Kerala Knowledge Economy Mission (KKEM), the series seeks to bridge the digital divide by offering free training to Scheduled Castes, Scheduled Tribes, Transgender individuals, Fishermen, Differently-abled persons, Women candidates, and Women from Single-parent communities. Additionally, a 60% discount on fees is available through the KKEM portal. The "Blockchain 360" series aims to promote digital inclusivity and economic empowerment, creating opportunities for historically underrepresented groups in the tech sector. The training is expected to foster blockchain knowledge, economic self-sufficiency, entrepreneurship, and innovation

among participants, with KBA's job portal connecting learners to tailored employment opportunities in the blockchain industry.

Invited Talk Series Conducted by Centre for Bio AI

The Centre for Bio AI at the School of Digital Sciences, DUK, hosted an invited talk series for MSc Data Analytics and Bio AI students on October 5 and 7, 2023. On October 5, Koushik Kasavajhala, a computational biologist/chemist at Schrödinger, presented an online session titled "Leveraging Machine Learning Applications Combined with Physics-Based Modeling for Drug Discovery." He covered topics such as discovery pipelines, therapeutic modalities, machine learning for small molecule drug discovery, DeepAutoQSAR, molecular dynamics simulations, and Large Language Models. This session provided comprehensive insights into implementing machine learning in drug discovery.

On October 7, Dr. Jagathnath Krishna, Assistant Professor in Biostatistics at RCC, conducted an interactive session from 10 am to 12 pm on "Statistical Methods, Applications, and Opportunities." He discussed biostatistical techniques, statistical models in data analysis, and their application in cancer data analysis at RCC, offering valuable insights and job opportunities in biostatistics.

That afternoon, Dr. Girinath Pillai, lead scientist at Sygnature Discovery UK, gave a virtual talk on "The Role of Machine Development and Deep Learning in Drug Discovery." He highlighted AI and machine learning applications in drug design and the challenges in drug discovery, drawing from his experience as a coordinator and mentor for India's Drug Discovery Hackathon 2020. This session enriched students' understanding of AI in drug discovery, emphasizing its potential to analyze data and identify drug candidates, thereby enhancing their knowledge in the field.

Talk on Career Catalyst: Navigating the Corporate World

On October 19th, 2023, the Training and Placement Cell at DUK organized a talk on Career Catalyst: Navigating the Corporate World. The talk was given by Mr. Vishnu Suresh, Head of HRBP-Transportation, Healthcare, Systems, and Corporate Functions. The talk aimed to provide tips to students for molding themselves for the corporate world.

Certified Ethical Hacker Training at DUK

The Certified Ethical Hacker (CEH) Training Program began at our university on October 12, 2023, organized by Kerala Security Audit

and Assurance Centre (KSAAC) in partnership with EC Council International. This program aims to equip students with skills to identify and counter cybersecurity threats, enhancing career opportunities in ethical hacking. This first batch will be followed by additional batches for alumni, DUK/IITMK staff, and external delegates. For registration details, contact KSAAC at ksaac@duk.ac.in.

Workshop on Endnote Software

Knowledge Centre DUK conducted a highly successful workshop on Endnote Software, offering participants a valuable learning experience on Thursday, October 12, 2023, from 3:00 PM to 4:30 PM at, DUK.

The workshop, led by Dr. Gopakumar V, Head of the Knowledge Centre at Digital University Kerala, provided attendees with a comprehensive exploration of the intricacies of Endnote Software. Through this program, participants had the valuable opportunity to enhance their research and referencing skills under the expert guidance of Dr. Gopakumar

DUK Co-Organizes Globelics International Conference 2023

DUK co-organised the 20th Globelics International Conference 2023 in GIFT, Thiruvananthapuram. The Globelics network started twenty years ago, with the first international conference in Rio de Janeiro in 2003. The Network's main aim is to focus on Learning, Innovation and Competence-building Systems (LICS) to understand the nexus between innovation and development. Prof Saji Gopinath, Vice Chancellor, DUK was a member of the In-Country Steering Committee of the conference. He co-chaired a plenary session with Ann Kingri, Secretary General, Africalics, on "Innovation System for a Knowledge Economy in India: National and Sub-National Initiatives and Challenges for India". Pradeep Kumar K, Assistant Professor, SoDiHLA, chaired the session "IR 4.0 and Development: Digitalization and automation, productivity and employment implications". Globelics 2023 received around 320 submissions from 58 countries. After the doubleblind review process, 210 papers were selected. The presenters represented 48 countries. The conference had two keynote speakers, 4 plenaries, 10 special sessions, and regular paper submissions. The conference had more than 300 participants.

MoU Signed Between Department of Archaeology and DUK

The Centre for Digital Transformation & Innovation (CDTI) of Digital University Kerala is developing a Centralized e-ticket Issuing and Monitoring System (CeTMS) for the Department of Archaeology, Govt. of Kerala. An MoU was signed between Department of Archaeology and DUK for the development of CeTMS, which will be a state-of-the-art system for the all the museums of the state.

Technical Session Delivered

K Pradeep Kumar, Asst. Professor, School of Digital Humanities & Liberal Arts, delivered a technical session on the topic "Digital Infrastructure for Public Good What India Has Got to Offer the G20?" in the ICSSR Sponsored Two-Day National Seminar -India's G20 Presidency: Scope for Strengthening Peace and Sustainable Development, Organized by Post Graduate Department of Economics, Nirmala College Muvattupuzha, on October 3, 2023 at Nirmala College, Muvattupuzha, Kochi.

Technical Session Delivered

A session on "Business Etiquettes" was organized by the School of Digital Humanities & Liberal Arts (SoDiHLA) on October 19, 2023, for all the Master's Program students of DUK. The session was taken by Sarah Kallungal, Content Anchor, in the Life Sciences unit of Tata Consultancy Services.

UST Recruitment Drive for MTech students

UST conducted Initial Screening test to the students of MTech Computer Science and Engineering as a part of their Campus Recruitment Drive. The online recruitment test was at our Campus and was attended by 8 students.

Inauguration of the Digital Literacy Campaign

Prof. Saji Gopinath, Hon'ble Vice Chancellor of the Digital University Kerala, inaugurated the Digital Literacy Campaign initiated by the Pothencode Panchayat with the assistance of the Social Engagement Centre, DUK in the presence of the Hon'ble Minister for Food and Civil Supplies Shri G.R. Anil. In a special function in the Pothencode town on 14th of October 2023, the esteemed Vice Chancellor spelt out the importance of digital literacy and education and the need for spreading the awareness on digital technology. He promised the assistance of the Social

Engagement Centre and the DUK in such endeavours. Pradeep Kumar, Coordinator of the Social Engagement Centre explained the plan of action of the Centre in helping the three wards - Edathara, Pothencode Town and Puliveedu- in attaining the status of fully literate wards within a certain time period.

SEC's Meet-Up Day Ignites Student Volunteerism

Volunteers of the Social Engagement Centre of DUK had a meet-up, especially for the new students to get to know each other and the SEC on 10th October at the Gallery Hall no.45. More than a hundred students participated in the event and affirmed their interest in volunteering. SEC core team organised games as an opportunity for the students to get to know themselves and break the ice. . Pradeep Kumar, Coordinator of the Social Engagement Centre introduced the activities and objectives of the SEC to the new volunteers. He distributed the prize to the winners of various competitions organised by the SEC as part of the World Environment Health Day Program, including the quiz competition and photography contest.

Digital Literacy Campaign

Digital University Kerala and Pothencode Panchayat joined hands to make three wards, Edathara, Town Ward, and Puliveedu of Pothencode Panchayat, fully digitally literate wards. As part of this endeavour, the Social Engagement Centre (SEC) volunteers provided training to 110 individuals who were not digitally literate. First phase of the campaign focused on marginal sections of the population and included MGNREGS groups. In addition, SEC volunteers visited 40 households in the Palottukonam colony to identify those who require digital literacy and offered training. Each day, over 30 SEC volunteers participated in the Digital Literacy Campaign. The participants who were mainly older citizens showed curiosity about smartphones and their functions. The volunteers gained unique experiences within the community.

Celebrating Gandhi Jayanthi: Digital Literacy Awareness Program

Common citizens lack awareness of digital literacy and its use despite the progress the country has made in digital technology. To focus on the marginalized sections of the population on Gandhi Jayanthi, a digital literacy awareness program was conducted in Pothencode Panchayat in collaboration

with the Citizen Digital Foundation. Over 50 individuals participated in this program, majority of them being women. The Citizen Digital Foundation provided guidance on the precautions necessary while using digital devices, aiming to enhance people's understanding and knowledge on the matter.

Happiness Hub - Mind Relaxing Session Related to World Mental Health Day

The “Happiness Hub” workshop, hosted by the Students Council of Digital University of Kerala on October 12, 2023, featured Saleena S, a Hope Coach and Happiness Mentor from Nila School of Happiness. Saleena's workshop focused on finding happiness and handling difficult situations like traumas, offering practical insights. She encouraged attendees to identify negative thoughts and replace them with positive ones, emphasizing the impact of a positive mindset. She highlighted the importance of self-love, self-appreciation, gratitude, and compassion as simple ways to boost happiness. Saleena also discussed the importance of sharing traumatic experiences with trusted individuals and seeking professional help when needed. She introduced mental trauma first aid, which includes the steps: look, learn, listen. To illustrate her points, Saleena shared a client's letter and prompted the audience to consider their responses to similar situations. The “Happiness Hub” workshop was an inspiring and practical experience, providing valuable advice on achieving happiness and dealing with trauma.

Aaranyakam Wildlife Week Celebration

The event began promptly at 10 am on October 5th with an inauguration ceremony at Gallery Hall 44, led by Dr. A Mujeeb, Registrar of DUK, who officially opened the exhibition stalls by cutting the ribbon. Following this, Dr. E.K Easwaran, Retired Chief Veterinary Officer of Kerala, delivered an insightful talk on human-wildlife conflict from a one-health perspective. By 11:30 am, the main competitions commenced, with 157 students participating, including 39 from other universities. Nandhu and Team won the prize in the competition. Various vendors promoting eco-friendly products, including Sanchi Bags and the NGO PCFML, set up stalls. Students also showcased their crafts and hosted a game stall. At noon, a quiz competition took place, with Rahul Raj PV and Benitto Angelose winning first place, and Rabiya and Atul Krishna from Kerala University securing second place. This was followed by a

Hackathon on Human-Wildlife Conflict, judged by Ms. Aiswaria GR, Mr. Arjn CP, and Mr. Akshay Moti. Team Wobble won first place, with Team Aloha and Team GB taking second. Online photography and reels competitions attracted students from Digital University Kerala and across India, with the entries displayed in a photography exhibition alongside works by wildlife photographers. The event concluded around 5 pm with a ceremony where Dr. Mujeeb and Md. Meraj Uddin, Chairman of Students' Affairs, distributed prizes and honored the photographers for their contributions. The event effectively celebrated wildlife and promoted its importance through various competitions and exhibitions.

University Arts Day

The first-ever University Day of DUK, held on October 15, 2023, and orchestrated by the Student Council, was a resounding success. The festivities began with captivating dance and music performances, including Nadanpatt and Qawwali, by DUK's talented students. In the afternoon, special guest Akhil P Dharmajan, co-writer of India's Oscar entry movie "2018" and author of the bestselling novel "Ram c/o Anandhi," officially inaugurated the university's Film Club, 'CleanCut Cinemas.' This new addition promises to be a hub for aspiring filmmakers and cinema enthusiasts. During an engaging Q&A session, Akhil P Dharmajan shared his insights and experiences, inspiring the budding filmmakers on campus. The Film Club then staged a remarkable drama as their inaugural event, showcasing their dedication to storytelling. The day continued with various song and dance performances, followed by a Fashion Show where DUK's mesmerizing models took the stage. University Day concluded with a high-energy DJ performance, filling the hall with pulsating lights and music, creating an electrifying atmosphere that left everyone with an unforgettable and joyous experience.

School of Electronic Systems and Automation Visited Bethal Gram Old Age Home

School of Electronic Systems and Automation 2023 Admission MSc and MTech students visited Bethel Gram Old Age Home, Mukkola, Kallayam P.O., Thiruvananthapuram in connection with their course 'Creativity and Arts for Engineering Sciences'.

NOVEMBER 2022

IEEE SB Web Page Launch and IEEE Conciencia'23 Workshop

The IEEE SB Web Page Launch and IEEE Conciencia'23 workshop took place on November 16, 2023, with approval from Dr. Sumit Datta, the branch counsellor. The event, initiated by Dr. Datta's opening remarks, featured the launch of the IEEE Student Branch website by Prof. (Dr.) A Mujeeb. Prof. (Dr.) Asharaf S and Prof. (Dr.) Alex P James provided insights into professional societies and introduced IEEE, respectively. Mr. Vasudev S. Mallan, Chair of the IEEE SB at Digital University Kerala, expressed gratitude. The workshop included talks by Dr. Dhanukumar Pattanashetti and Mr. Salih Yoosaf. Dr. Pattanashetti, a Senior IEEE Client Services Manager, shared insights, and Mr. Yoosaf, the secretary for the MD Committee in the IEEE Kerala Section, presented at the IEEE SPS Kerala Chapter. The second session featured Mr. Kishan Kartha, IEEE SB Vice-chair, who showcased the journey of KToys, a pioneering startup from Digital University Kerala, blending AI with culture. The event concluded with an appreciation for the speakers, acknowledging their valuable contributions and insightful talks, enriching the gathering with profound insights.

BlockHash LIVE 2023

Kerala Blockchain Academy is preparing for the 6th Edition of the Annual Blockchain Summit, BlockHash LIVE 2023, scheduled for December 15 at Park Centre, Technopark Campus, Trivandrum. This annual summit gathers tech experts, world leaders, and global change-makers to discuss the positive applications of Blockchain technology. Since its inception in 2018, BlockHash LIVE has become India's leading Blockchain summit, providing a premier platform for Blockchain elites, exhibitors, investors, and thought leaders. The event aims to foster new partnerships and business deals, focusing on Web 3 Innovation, Entrepreneurship, and Society. BlockHash LIVE 2023 will promote the adoption of Decentralized Technologies, Blockchain, and Web 3 protocols across various sectors through strategic partnerships, educational initiatives, and development projects. The summit will feature technological innovations, use case briefings, tech talks, workshops, and networking opportunities. Prof. Sandeep Kumar Shukla from IIT Kanpur will deliver the presidential address, with distinguished attendees including Rathan U Kalkar IAS,

Harishankar IPS, Dr. Rajasree M S, Vibha Mahajan, Sunil Raveendran, and Saran Joseph.

My Story - Motivational Session by Entrepreneurs

On November 16, 2023, the Institution's Innovation Council, in collaboration with the Kerala Blockchain Academy, organized an event aimed at motivating budding entrepreneurs, students, faculty, and technocrats. The event featured Mr. Rajesh Kumar Plamthottatil, Founder and CEO of Trackgenesis, as the distinguished speaker. The primary goal was to inspire aspiring entrepreneurs by showcasing real-life success stories. The IIC intended to create a platform for established entrepreneurs to share their experiences, lessons, and strategies for overcoming obstacles. Mr. Rajesh Kumar Plamthottatil discussed his educational background, transition to entrepreneurship, personal experiences, and the challenges he faced, highlighting pivotal moments in his journey. He detailed the benefits and drawbacks of being an entrepreneur and explained his connection to Kerala Blockchain Academy. His narratives were both motivational and provided practical lessons that participants could apply to their future ventures.

One-day workshop on Computational Fluid Dynamics using ANSYS

SOI and IIC, DUK conducted 'One-day workshop on Computational Fluid Dynamics using ANSYS' in association with Entuple Technologies on Nov 30 2023. During the forenoon session, the various capabilities of ANSYS and the concept of Computational Fluid Dynamics were introduced with case studies. In the afternoon session, hands-on training was provided. Computational Fluid Dynamics (CFD) is a field of study that uses numerical methods, algorithms, and computer simulations to analyze and solve problems related to fluid flow and is increasingly being applied in ecological studies to understand and simulate fluid flow in natural environments.

Workshop on Statistical Learning Methods

By School of Informatics, Digital University Kerala, on November 23, 2023. The one-day free workshop was facilitated by distinguished experts: Prof. Sujit Ghosh from the Department of Statistics at North Carolina State University in Raleigh, NC, USA (<https://statistics.sciences.ncsu.edu/people/sghosh2/>), and Prof.

Radhendushka Srivastava from the Department of Mathematics at IIT Bombay (<https://www.math.iitb.ac.in/People/faculty.php>). More than 60 participants attended this workshop and interacted with these experts.

Hack-X Mini CTF 1.0

"Hack-X Mini CTF 1.0," hosted by the Hack-X Tech Society at Digital University Kerala on November 11, 2023, was an introductory Capture The Flag competition designed for beginners to delve into the dynamic realm of cybersecurity. With over 40 active participants, the event covered challenges in Web Pentesting, OSINT, Networking, Cryptography, Steganography, and Forensics, serving as a stepping stone for students to explore the diverse landscape of cybersecurity.

The immersive experience of Mini CTF involved hands-on tasks across various cybersecurity domains, allowing participants to enhance their skills in areas such as deciphering cryptographic codes and revealing concealed messages in steganography challenges. The essence of "Capture the Flag" was eloquently expressed as a strategic pursuit that challenges intellect, teamwork, and adaptability, symbolizing victory through skilful manoeuvring and unwavering determination. Congratulations were extended to the top performers: Himanshu (1st place), Soumya Pal (2nd place), and Muhammed Anwar Khan (3rd place), highlighting their commitment to mastering the art of cybersecurity. The success of the event was attributed to the unwavering dedication and hard work of the Hack-X Team, CTF Tech Team, including Shreedhar Vantamure, Ashish Inkar, Ravi Prakash Tripathi, Vibhu Nagrath, Arka Ghosh, Adrija Acharyya, Trupti Chavan, and Macgill John F. Their unwavering dedication and hard work played a pivotal role in the success the event and the support from Md Meraj Uddin, Dr. Preetam Mukherjee, and the Kerala Security Audit and Assurance Center (KSAAC) Team.

Campus Recruitment Drive by Allianz Services

Allianz Services, one of the world's leading insurers and asset managers, conducted a recruitment drive on 2nd November 2023. The recruitment drive began with a pre-placement Business Connect talk, providing valuable insights into Allianz's work culture, expectations, and opportunities for prospective candidates. Following this session, an aptitude test was conducted, attracting the participation of over 100 students from the School of Digital

Science and the School of Computer Science. After a meticulous evaluation of the aptitude test results, a select number of students were shortlisted to proceed to the next stages of the recruitment process. These shortlisted candidates successfully underwent Level 1 and Level 2 technical rounds at a later date in their office at Technopark.

Campus Recruitment Drive by H & R Block

H & R Block conducted a campus recruitment drive on 10th November 2023 at our campus. The recruitment drive was exclusively tailored for MSc Cyber Security students. The drive commenced with a comprehensive preplacement talk where H&R Block provided valuable insights into the company's ethos, career prospects, and expectations for potential candidates. Following the talk, a total of 58 MSc Cyber Security students actively participated in the recruitment process, which included an aptitude test and subsequent technical and managerial interviews.

A session on “Global job opportunities for ML and Deep Learning”

A session on Global Job Opportunities for ML and Deep Learning was expertly delivered by Mr. Prasad, Program Manager, and Training Head at GBS Plus Management, Trivandrum. Specifically tailored for first-semester students, the session aimed to provide valuable insights into the vast job opportunities available in Machine Learning (ML) and Deep Learning. Mr. Prasad, with his wealth of experience, shared vital industry trends, emerging roles, and the global landscape of careers in ML and Deep Learning.

Placement Week at DUK

Training and Placement Cell, Digital University Kerala conducted Placement week from 27th November 2023 to 1st December 2023. The primary objective is to bridge the gap between industry and academia and serve as a platform for employers to connect with our talented students, providing opportunities to build their brand, recruit top-tier talent, and foster valuable networking connections. This initiative was designed to create a conducive environment for meaningful interactions, mutual understanding, and the seamless integration of academic knowledge with industry requirements. Six esteemed companies actively conducted their recruitment processes, engaging with our dynamic pool of students.

Campus Recruitment Drive by Ecesis Group

Ecesis Group, a 14-year-old company specializing in Digital Marketing & Software Development, conducted its campus recruitment drive on 27th November 2023. The recruitment drive was targeted at MSc Computer Science and Digital Science students for the position of Software Engineer. A total of 125 students registered and participated in the initial aptitude test. Following this stage, a meticulous shortlisting process led to further evaluation through technical interviews. Subsequently, 19 students were invited to the machine test, showcasing their practical skills relevant to the Software Engineer role.

Campus Recruitment Drive by Excellidia Ventures

Excellidia Digital Innovation, an international brand anchored in management consulting and digital innovations conducted the initial process of the campus recruitment drive virtually. MSc Cyber security students, MSc Ecological informatics, and MBA students are eligible for the recruitment process. They started their virtual campus recruitment drive with MSc Cyber security students.

Campus Recruitment Drive by Ospyn Technologies

The campus recruitment drive was conducted by Ospyn Technologies, a prominent Content Services Platform vendor specializing in low-code DMS, BPM, and process automation solutions. Ospyn Technologies boasts a robust client base across India, the Middle East, and Africa. The recruitment drive, held on November 28th, 2023, began with an insightful pre-placement talk, providing students with valuable insights into Ospyn's industry presence and career opportunities. Subsequently, an aptitude test was administered, attracting the participation of 67 students from MSc Computer Science and MSc Digital Science. Following the aptitude test, 37 candidates were shortlisted to proceed to the group discussion stage, which comprised six rounds. This comprehensive process assessed candidates' communication skills, problem-solving abilities, and teamwork. The final round of interviews took place at their office on November 30th and December 1st, 2023, providing a more in-depth evaluation of the shortlisted candidates.

A session on 'B2B Sales: From Lead Generation to Client Acquisition'

A session on B2B Sales: From Lead Generation to Client Acquisition was conducted on the 28th of November 2023 afternoon by Mr. Amit Batra, Manager, Corporate Marketing Research & advisor, Tata Consultancy Services. This informative session was attended by first-year and second-year MBA students, providing them with valuable insights into the intricacies of B2B sales. Mr. Batra shared his extensive knowledge and experience, focusing on lead generation strategies and the critical steps involved in client acquisition in the corporate world.

Campus Recruitment Drive by Manappuram Finance Limited

Manappuram, one of the leading non-banking financial services companies, conducted its campus recruitment drive on 29th November 2023 and 30th November 2023. The event started with an engaging pre-placement talk, allowing students to gain insights into Manappuram's industry standing and career opportunities. The recruitment drive targeted specifically MSc Computer Science, MSc Digital Science, and MBA students, focusing on Manager and Assistant Manager positions, and more than 100 students attended the drive. The comprehensive process aimed at identifying top-tier talent for key managerial roles within the organization.

Campus Recruitment Drive by Chubb

Chubb, the world's largest publicly traded P&C insurance company and the leading commercial lines insurer in the U.S. With operations in 54 countries and territories conducted their virtual campus recruitment drive on 30th November 2023. The shortlisted candidates had their online aptitude test and Level 1 technical interviews. The students from MSc Computer Science and MSc Digital Sciences participated in the drive. This initiative reflects Chubb's commitment to identifying and fostering top-tier talent from our institution.

Campus Recruitment Drive by Innovation Incubator

Innovation incubator conducted a recruitment drive on 1st December 2023. The drive targeted students from diverse backgrounds, including MSc Computer Science, MSc Digital Science, and MBA programs. The event commenced with an insightful preplacement talk, providing a platform for the

candidates to gain valuable insights into the ethos of the Innovation Incubator and the opportunities available. Subsequently, 45 shortlisted candidates participated in a series of interviews as part of the recruitment process.

DUK-Allianz: Empowering Student Volunteers Through Leadership Interaction and Joint Activities

On November 30, 2023, the Social Engagement Centre of DUK hosted a collaborative event with Allianz Technology at the DUK campus as part of the celebrations marking 20 years of Allianz India's operations. The event featured Marius Eugler, Chief Technology & Transformation Officer at Allianz Technology, who engaged with students on sustainability, industry relevance, and the importance of taking action today for a better future. He was joined by Allianz Technology employees Thanooja Sasidharan, Rani Sasikumar, and others. Marius expressed interest in local community initiatives on digital literacy for older adults and efforts to reduce water pollution. The event aimed to cultivate ideas on sustainability, the industry's social responsibility, and collective responsibility among students. Contributing to the University's Green Campus Initiative, critically endangered tree saplings were planted, chosen for their suitability to the local soil and climate. Student volunteers from the Social Engagement Centre shared their experiences with various social engagement activities. The event provided a valuable opportunity for students to connect directly with industry leaders, discuss challenges, and explore future engagement areas.

Development of Rural Education and Mentoring Scheme (DREAMS)

The Social Engagement Centre and Innovation Club of Digital University Kerala, in collaboration with Pullampara Grama Panchayat, launched a six-month project called DREAMS (Development of Rural Education and Mentoring Scheme) for Pullampara Panchayat school students. Inaugurated by Vice Chancellor Prof. Saji Gopinath on November 11, the project aims to expose students to emerging technologies and career possibilities, and enhance their personality development, confidence,

teamwork, and financial management. DUK faculty will engage with students on AI, Data Analytics, Geospatial Analytics, Ecology, Cybersecurity, Blockchain, Electronics, IoT, and leadership, while volunteers mentor them in identifying and solving social problems with technology.

Review Meeting with Pothencode Panchayat

The Social Engagement Centre of DUK has fostered a meaningful collaboration with the Pothencode Panchayat to drive various developmental initiatives in the Panchayat. A review meeting was organized on 9th November 2023 at DUK; key stakeholders were present, including the President, Vice President, and Ward Member of Keezhthonnekkal village from the Pothencode Panchayat. During the meeting, it was decided that the Social Engagement Centre of DUK would coordinate water resource mapping and conduct water quality tests in the Pothencode Panchayat. This initiative reflects the commitment of both institutions to address critical issues and contribute to the community's sustainable development.

Allianz-DUK Award for the Best Digital Innovation for Social Impact

Celebrating its 20th year in India, Allianz partnered with Digital University Kerala (DUK) to launch the Award for the Best Digital Innovation for Social Impact. This award, highlighting the innovative efforts of DUK students, recognizes those who make positive impacts in local communities through digital technology. Dr. Barbara Karuth-Zelle of Allianz Group and DUK Vice Chancellor Prof. Saji Gopinath inaugurated the award, with Jison John, CEO and MD of Allianz Services India, presenting. The event was attended by Allianz board members, top management, and employees, with Pradeep Kumar K. representing DUK's Social Engagement Centre.

Water Resource Mapping - Pothencode Panchaya

On November 25, 2023, as part of the Integrated Water Resource Management (IWRM) initiative, a water resource mapping survey was conducted in Pothencode Panchayat, focusing on the Chitranjali Stream and its branches. Led by a team of 16 participants, including 11 MSc Data Science and Geoinformatics students and four MSc Ecology students from Digital University Kerala, the survey was overseen by Prof. Pradeep

Kumar K. and Prof. Radhakrishnan T. Vice President Anitha Kumari, Miss Aswathy, and interns from the Jalam team of Haritha Keralam Mission also participated. The participants were divided into two teams, each mapping specific wards. Team A covered the stream flow from Pothencode Town Ward, Vavarambalam, Nedajipuram, and Puliveedu Ward, while Team B mapped from Thachappally Temple to Vengodu, covering Thachapally, Vengodu, and Edathara Wards. Utilizing modern tools like ODK Collect, OSM Tracker, and OpenStreetMap, the team geotagged live pictures to enhance data accuracy. The success of the survey was bolstered by the invaluable assistance of local residents and Pothencode Panchayat members, whose cooperation and knowledge facilitated a deeper understanding of the terrain. This collaborative effort highlighted the importance of community engagement in environmental initiatives and will significantly contribute to sustainable water resource management in the region.

Ethnic Day'23

On November 2nd, DUK celebrated Ethnic Day, organized by the Student Council, showcasing cultural diversity and traditional attire. The campus buzzed with vibrant ethnic dresses, traditional dances, music performances, and fun competitions. The morning featured various cultural programs, while the highlight of the afternoon was the Kerala Sadhya feast. The day continued with energetic Thiruvathira dances, games, and the popular Tug of War competition. The event concluded with a captivating Sinkari Melam, leaving a lasting impression of India's rich cultural heritage and creating joyful memories for all attendees.

CINEMATHON'23

Cinemathon, a 40-hour short film challenge organized by Clean Cut Cinemas at Digital University Kerala (DUK), was a resounding success. Held from October 25th to 27th, 2023, the event, supported by the Student Council, began with a rules and regulations meeting on October 24th. Teams received their topics on October 25th at 5 pm and immediately began scriptwriting, casting, and preparations. All teams had submitted their short films by the deadline on October 27th at 9 am. Esteemed judges

included Mr. Akhil V J, Assistant Director of 'Kannur Squad,' and Mr. Pradhwi Rajan, Production Designer of 'Malaikotte Valiban.' On November 24th, the Prize Distribution and film screenings took place at Gallery Hall 45, anchored by Arsha Venkitakrishnan with a welcome speech by Abin Mohammed Nizam. Distinguished guests Mr. Gopakumar V and Mr. Md Meraj Uddin shared inspiring words. The audience enjoyed the screening of seven short films, followed by an awards ceremony. Best Actor awards went to Anjana Ajayan, Anupama Santhosh, and Shyam Chandran. Manav C Santhosh and Jaidev S Ram won Best Cinematographer, and Best Editor was shared by N S Vishal, Manav C Santhosh, and Nikhil C R. Best Director was awarded to Sai Shankar G Nair, Abin Mohammed, and K Vedaprasad. 'Notes of Healing' won Best Film, and 'Aazham' won Most Popular Film. The event concluded with Govind G's thanks and an announcement of weekly film screenings by Clean Cut Cinemas.

Diwali'23

On November 12th, 2023, Digital University Kerala (DUK) students celebrated Diwali'23, illuminating the campus with lamps, Rangolis, and fireworks. The event, organized by students, fostered unity and joy. Highlights included colorful firecrackers, floating paper lanterns, and diverse participation. The celebration ended with the Student Council distributing sweets, showcasing student enthusiasm and creativity.

Annual Sports Meet 2023

The 2nd Annual Sports Meet of DUK was inaugurated by Paralympic hero Mr. Sidhartha Babu on November 26, 2023, at the LNCPE Athletic Ground, Kariyavattom. Presided over by Honorable VC, Prof. (Dr.) Saji Gopinath, and facilitated by Dean Development, Prof. (Dr.) Asharaf S, the event celebrated sportsmanship and athletic excellence. The organizing committee, demonstrating exceptional efficiency, planned and executed a diverse range of events over the past month. The success of the meet highlighted the dedication of participants and organizers, with special recognition to Physical Education Consultant Mr. Nithin KS and

Student Council Sports Secretary Mr. Sharon Shibu for their contributions.

DECEMBER 2023

BlockHash Live 2023

The 6th edition of BlockHash Live, Kerala's Annual Blockchain Summit, titled "Web 3.0 Nexus 2023," was hosted by the Kerala Blockchain Academy on December 15, 2023, at Park Centre, Technopark, Thiruvananthapuram. The event saw over 300 participants and was inaugurated by Dr. Rathan U Kelkar, IAS, Secretary to Electronics and Information Technology, with a keynote address by Prof. Sandeep Kumar Shukla from IIT Kanpur. The summit focused on Web3 Innovation, Entrepreneurship, and Society, showcasing the adoption of decentralized technologies, blockchain, and Web3 protocols. KBA alumni startups, such as TrackGenesis and Cryprise, demonstrated notable Web 3 practices. Additionally, a student workshop "Beyond the Blocks," conducted with Metaschool & Starknet Foundation, and a Faculty Development Program (FDP) with Wiley India Private Limited were organized. The event included the convocation ceremony for the first batch of the Blockchain Excellency Program and announced two new courses by KBA: "Developer Essentials for Blockchain" and "Certified Ethereum Network Administrator."

KBA-Wiley Book Launch: Blockchain Applications & Algorithms

Another milestone for Kerala Blockchain Academy! Kerala Blockchain Academy, a Centre of Excellence of Digital University Kerala, in collaboration with Wiley Publishers, has launched its pioneer book on "Technology: Algorithms and Applications" authored by Prof. (Dr.) Asharaf S, Sivadas Neelima, Adarsh S, and Franklin John. The book was launched at the sixth edition of the annual Kerala Blockchain summit "BlockHash Live 2023" by Ms. Vibha Mahajan, Senior Director (India Business Head - Academic Learning), Wiley and the first copy was received by Dr. Rajasree M S, Director, Directorate of Technical Education.

Industry Session: Product Vision and Strategy

The School of Digital Humanities & Liberal Arts organized an industry session on "The Art of Product Vision and Strategy" on Dec 21, 2023. The speaker, Parvathy Nandakumar, Product Manager and Innovation Specialist at Reflections Global, enlightened the students on developing a product vision, driving

innovation and formulating an effective product strategy. The session was highly interactive with several industry examples and cases.

Empowering Governance: Capacity Building in AI & DA

The third batch of the Capacity Building in AI & DA program concluded with project presentations and Christmas and New Year celebrations. Expert instructors from Digital University Kerala (DUK) delivered a comprehensive curriculum designed to equip government officials with advanced skills in AI and DA. The program emphasized practical applications and real-world scenarios, preparing participants to navigate the complexities of modern governance. Funded by the IT Mission and coordinated by Dr. Elizabeth Sherly (DUK), the program demonstrates a commitment to empowering government officials for the evolving landscape of AI and DA. This successful conclusion highlights the participants' dedication and the collaborative efforts of DUK and the IT Mission to bridge the knowledge gap and foster innovation in government sectors.

Live Webinar on Environmental Resource Planning & Management

School of Informatics - Digital University Kerala is conducted a live Webinar on 'Environmental Resource Planning & Management' on 12 Dec 2023, Tuesday at 02:30 pm. Speaker: Dr. Bindu J. S., Kerala Agricultural University, Integrated Farming System Research Station.

Online talk as part of National Pollution Control Day

School of Informatics - Digital University Kerala and Institution's Innovation Council organised online talk - "Drops of Wisdom: Understanding and Confronting Water Pollution as part of National Pollution Control Day". The talk was given by Environmental Expert, Mr. Haneesh K. R., CEO, Biocenosis Envirotech. The talk encompassed subjects such as the causes of pollution and diverse approaches for alleviating it with a focus on water pollution.

Empowering Women Entrepreneurs: Navigating the Digital Frontier at NIT Calicut

Dr. Sini V. Pillai delivered a session at NIT Calicut as part of a capacity-building program for women entrepreneurs. The focus of the session was on customer management through social media

platforms, with a keen emphasis on analyzing customer needs and sentiments through social media. Engaging with the dynamic women entrepreneurs of Calicut was an incredible experience, and their enthusiasm for digital marketing and e-commerce was truly inspiring. The session aimed to equip these talented women with the tools and insights necessary to navigate the ever-evolving landscape of online business.

NSS Special Camp "Sparsham: A Transformative Seven-Day NSS Camp - Digital University Kerala"

Digital University Kerala held its first NSS camp, "Sparsham," at Mar Ivanios Bethany Vidyalaya from December 24-30, 2023. Thirty-six students participated. The camp focused on social service and personality development. Prof. A. Mujeeb inaugurated the camp. Key figures like Mr. V.P. Sunil Kumar and Mr. Pradeep Kumar K. attended. The main project was setting up a library in Bhaskar Nagar. Volunteers collected and organized books. On December 25, volunteers joined the community for Christmas. Schoolchildren from Pullampara Panchayat showcased their talents. They presented a docudrama on social issues. Volunteers also cleaned the Anganwadi and educated residents on proper diaper disposal. They conducted a household survey using a DUK app and promoted digital literacy.

An indoor session focused on leadership and communication skills. Mr. Vinod Damodaran led activities. Volunteers learned adaptability, time management, and empathy. They also received first aid and fire safety training from the Fire and Rescue Department. They attended a session by Haritha Keralam Mission on youth contribution to a waste-free Kerala. Evenings featured singing, dancing, and a campfire on December 29. The camp ended on December 30 with Prof. Saji Gopinath dedicating the library to the community. Esteemed guests attended the function. The seven-day camp was transformative. Key contributors included Prof. Pradeep Kumar, Dr. Sreelekha Nair, Mr. Niyas M, Mrs. Fousiya CK, and NSS Secretaries Mr. Jeffin Joy and Ms. Sreya K Raj.

Waterbody Mapping

The Social Engagement Centre and the Centre for Geo Spatial Technology organised a Water Resource survey in the Pothencode Panchayat. As part of this, eight MSc Data Analytics and Geoinformatics students undertook a comprehensive mapping and geo-tagging of a waterbody in the Manalakam Ward

of Pothencode Panchayat. The survey, conducted on 02/12/2023, aimed to provide detailed insights into the local stream network. Waterbody Mapping The team, led by skilled students, utilized advanced tools such as the Open Street Mapping, ODK Collect application, and OSM Tracker with the guidance of representatives of the Panchayat and Haritha Keralam Mission, enhancing the accuracy and efficiency of the mapping process. Ms.Nayana B, the ward member, accompanied the student team, providing invaluable local knowledge and guidance throughout the survey. This collaborative effort emphasized the crucial role of community engagement in environmental initiatives. The water resource mapping in Manalakam Ward, enriched by the synergy between educational institutions and local governance, is poised to contribute significantly to the broader Neerthada Nadatham Program. The collected data, fortified by local insights, holds promise in fostering sustainable water management practices in the region.

Christmas Celebration

On the joyous evening of December 21, 2023 at Digital University Kerala (DUK) the Student Council orchestrated a vibrant Christmas celebration. The event kicked off at 4 pm, with the college brimmed in Christmas decorations, featuring an array of balloons, stars, and a captivating Christmas-themed photobooth. Christmas Celebration The first activity of the evening was a star-making competition held at the Mess Hall. Participants brought their star materials and showcased their creativity by crafting some beautiful Christmas stars. Following the star-making competition, the much-anticipated Treasure Hunt commenced. The entire campus served as the turf for this exciting adventure, with five clues scattered strategically. All the teams displayed exceptional teamwork and perseverance in their hunt for clues and ultimately, one team was victorious. The highlight of the evening was Santa's arrival, spreading cheer with carols and distributing sweets. A gathering of students in front of the Mess Hall welcomed Santa and Mr. Md Meraj Uddin, Chair of Students' Affairs of DUK, extended blissful Christmas wishes, and together with Santa, cut the Christmas cake. Following the cake-cutting, the winners of the star-making competition and the treasure hunt were honored with prizes. Christmas cakes were distributed to all students. The celebration continued with musical performances by talented students while the students enjoyed

their cake. As the daylight waned, the photobooth lit up with lights, providing the perfect backdrop for capturing Christmas memories. Students and faculty alike crowded at the booth, posing with Santa. The event came to a close with students dancing to festive tunes, singing carols, and enjoying the joyous celebration.

Annual Sports Meet 2023 - Prize Distribution Ceremony

The Prize Distribution Ceremony for the Annual Sports Meet 2023 at Digital University Kerala (DUK) was held on December 13, 2023, following the sports day on November 26. The event, starting at 5:30 pm in front of the campus, united students and faculty. Esteemed dignitaries included Vice-Chancellor Prof. Saji Gopinath, Registrar Prof. Mujeeb A, Dean Development Prof. Asharaf S, and others. Increased participation was seen from four student teams (Blue Buzzards, Green Falcons, Red OX, Yellow Raptors) and two faculty teams (Grey A and Grey B), with additional sports categories boosting involvement.

Mr. Meraj Uddin and other guests emphasized the importance of balancing sports with academics in their speeches. Vice-Chancellor Saji Gopinath and guests awarded medals and certificates to winners, motivating the athletes. Mr. Razin Haisam (MSc Data Analytics) won the individual sports champion title for boys, and Ms. Anjali V (MSc Computer Science) for girls. Yellow Raptors triumphed as Games and Athletics Overall Champions and Total Overall Champions, with Blue Buzzards winning the March Past. Red OX was the 1st runner-up. The event concluded at 6:30 pm, marking a successful Annual Sports Meet 2023 at DUK.

Audit Report

2022-23

THOMAS JACOB & Co.

CHARTERED ACCOUNTANTS

2ND FLOOR, CLIFF TERRACE, YMR JUNCTION, NANTHENCODE, KOWDIAR P.O, TRIVANDRUM – 695003
TEL Off: 0471 – 2303137, 2302194, Mob: 9605052392, E-Mail: thomasjacobandco@gmail.com

UDIN: 24224903BKCUGW5452

INDEPENDENT AUDITOR'S REPORT

To the Members of
**KERALA UNIVERSITY OF DIGITAL SCIENCES INNOVATION AND
TECHNOLOGY**

Report on the Audit of the Standalone Financial Statements

Opinion

We have audited the accompanying Standalone financial statements of Kerala University of Digital Sciences Innovation and Technology which comprise the Balance Sheet as at March 31, 2023, the Statement of Income and Expenditure, the Receipt and Payment Account for the year then ended and a summary of the significant accounting policies and other explanatory information.

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid standalone financial statements give the information required by the Act in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India, of the state of affairs of the University as at March 31, 2023 and its profit for the year ended on that date.

Basis for Opinion

We conducted our audit in accordance with the Standards on Auditing (SAs) specified under section 143(10) of the Companies Act, 2013. Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Institution in accordance with the Code of Ethics issued by the Institute of Chartered Accountants of India together with the ethical requirements that are relevant to our audit of the financial statements under the provisions of the Companies Act, 2013 and the Rules there under, and we have fulfilled our other ethical responsibilities in accordance with these requirements and the Code of Ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibility of Management for the Standalone Financial Statements

The University's management is responsible for the preparation of these standalone financial statements that give a true and fair view of the financial position, financial performance, changes in equity, if any and Receipts and Payment of the University in accordance with the accounting principles generally accepted in India, including the accounting Standards specified under section 133 of the Act. This responsibility also includes maintenance of adequate accounting records in accordance with the provisions of the Act for safeguarding of the assets of the University and for preventing and detecting frauds and other irregularities; selection and application of appropriate implementation and maintenance of accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statement that give a true and fair view and are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Institution's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Institution or to cease operations, or has no realistic alternative but to do so.

The management is also responsible for overseeing the university's financial reporting process.

Auditor's Responsibility for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the standalone financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal financial control relevant to the audit in order to design audit procedures that are appropriate in the circumstances.

- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the University's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the standalone financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the University to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the standalone financial statements, including the disclosures, and whether the standalone financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards. From the matters communicated with those charged with governance, we determine those matters that were of most significance in the audit of the standalone financial statements of the current period and are therefore the key audit matters. We describe these matters in our auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

Report on Other Legal and Regulatory Requirements

Further, we report that:

- a. We have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of our audit.
- b. In our opinion, proper books of account as required by law have been kept by the University so far as it appears from our examination of those books

c. The Balance Sheet, the Statement of Income and Expenditure and the Receipts and Payments Account dealt with by this Report are in agreement with the books of account

For **THOMAS JACOB & Co.**
Chartered Accountants
F.R.No.004403S



Trivandrum
March 25, 2024

CA Anand George Thomas FCA
Partner (Membership No. 224903)



Annual Accounts
2022-23

KERALA UNIVERSITY OF DIGITAL SCIENCES, INNOVATION AND TECHNOLOGY
Technocity Campus, Thiruvananthapuram, Kerala 695317
Kerala University of Digital Sciences, Innovation and Technology Act, 2021
(10 of 2021)
PAN No. AAAGK1224M

BALANCE SHEET AS AT 31ST MARCH 2023

Liabilities	SH No	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Capital Fund			
- General Corpus Fund	1	4,00,60,720.00	2,37,60,525.00
- Income & Expenditure B/F	2	1,61,89,328.20	45,91,373.79
Non Current Liabilities	3	50,00,00,000.00	50,00,00,000.00
Current Liabilities & Provisions	4	28,41,15,531.00	23,10,61,075.00
Total		84,03,65,579.20	75,94,12,973.79

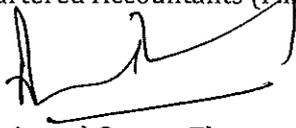
Liabilities	SH No	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Non Current Assets			
- Property Plant & Equipment	5	35,448.00	59,080.00
Current Assets			
- Cash & Cash Equivalents	6	5,59,81,578.20	23,24,41,105.79
Loans, Advances and Deposits	7	78,43,48,553.00	52,69,12,788.00
Total		84,03,65,579.20	75,94,12,973.79

Auditors Report

As per our report of even date

For Thomas Jacob & Co

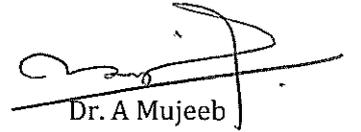
Chartered Accountants (F.R.No 004403S)



CA. Anand George Thomas, FCA
Partner (Membership No. 224903)



Dr. Saji Gopinath
Vice Chancellor

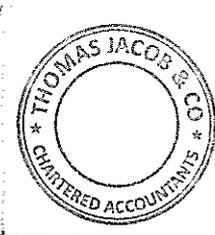


Dr. A Mujeeb
Registrar

Thiruvananthapuram

25.03.2024

UDIN: 24224903BKCUGW5452



KERALA UNIVERSITY OF DIGITAL SCIENCES, INNOVATION AND TECHNOLOGY
Technocity Campus, Thonnakal PO, Thiruvananthapuram, Kerala 695317
Kerala University of Digital Sciences, Innovation and Technology Act, 2021 (10 of 2021)
PAN No. AAAGK1224M
INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD YEAR ENDED 31ST MARCH 2023

A. Income	SH No	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Income from Schools	8	12,34,83,447.00	6,76,57,729.00
Grant in Aid/ Subsidies	9	7,45,74,926.00	7,83,83,920.00
Income from Interdisciplinary CoE	10	2,52,89,831.00	95,01,377.00
Income from Independent CoE	11	14,58,35,468.00	4,38,02,835.00
Income from Academic & Other R&D Projects	12	6,76,280.00	40,030.00
Income from Training & Workshops	13	1,31,20,689.00	76,83,178.00
Income from Other Source	14	5,45,95,030.00	2,50,82,647.00
Total (A)		43,75,75,671.00	23,21,51,716.00
B. Expenditure	SH No	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Expenditure on Schools	15	10,94,96,747.00	5,47,43,407.00
Expenditure from Grant in Aid/ Subsidies	16	7,45,74,926.00	7,83,83,920.00
Expenditure from Interdisciplinary CoE	17	2,21,65,158.00	1,01,55,041.00
Expenditure from Independent CoE	18	13,14,50,333.00	3,42,51,907.00
Expenditure from Other R&D Projects	19	6,56,280.00	40,030.00
Expenditure from Training & Workshops	20	69,21,567.00	40,44,995.00
Salary & Allowances- Administrative Staff	21	1,75,66,195.00	76,74,125.00
Administrative and General Expenses	22	1,56,66,294.00	1,08,01,620.00
Campus Maintenance Expenses	23	1,58,03,018.00	1,23,77,283.00
Other Expenses	24	1,32,02,765.59	50,95,642.21
Depreciation	5	23,632.00	39,386.00
Total (B)		40,75,26,915.59	21,76,07,356.21
Excess of Income over Expenditure (A-B)		3,00,48,755.41	1,45,44,359.79
Appropriation of Excess Income to Reserves			
- To Staff Welfare Fund		41,56,087.00	-
- To CCE Fund		35,29,516.00	-
- To CCEECs Fund		19,08,924.00	-
- To Program Chair Fund		17,97,233.00	-
- To CDPI Fund		70,59,041.00	-
Total fund to Reserves		1,84,50,801.00	-
Excess of Income after appropriation to Reserves		1,15,97,954.41	1,45,44,359.79

Auditors Report

As per our report of even date

For Thomas Jacob & Co

Chartered Accountants (F.R.No 004403S)

CA. Anand George Thomas, FCA
Partner (Membership No. 224903)
Thiruvananthapuram
25.03.2024

UDIN: 24224903BKCUGW5452



Dr. Saji Gopinath
Vice Chancellor

Dr. A Mujeeb
Registrar

KERALA UNIVERSITY OF DIGITAL SCIENCES INNOVATION AND TECHNOLOGY
RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD/YEAR ENDED 31ST MARCH 2023

A. Receipts	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Opening Bank balance	23,76,46,489.79	59,24,185.00
Receipts from Schools	9,30,17,496.00	7,30,20,129.00
Grant in Aid/ Subsidies	59,59,98,766.00	7,83,83,920.00
Receipts from Interdisciplinary CoE	93,00,000.00	1,00,00,000.00
Receipts from Independent CoE	11,88,39,124.00	15,98,87,875.00
Receipts from Other R&D Projects	72,59,113.00	14,99,609.00
Receipts from Training & Workshops	1,48,75,981.00	74,14,376.00
Receipts from Other Source	4,94,82,497.05	2,11,60,857.00
Deposits From Students	37,86,000.00	16,85,000.00
Duties & Taxes	4,69,632.00	1,41,89,567.50
EMD & Security Depsits	12,41,595.00	11,72,390.00
Other Receipts/Income	1,25,000.00	9,400.00
Campus Construction- Extension/Augmentation	-	3,35,56,828.00
Income Received in Advance	-	10,50,410.00
Total (A)	1,13,20,41,693.84	40,89,54,546.50
B. Payments	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Payments on Schools	35,08,938.00	4,61,52,557.00
Payments from Grant in Aid/ Subsidies	10,41,15,215.00	2,54,50,896.00
Payments from Interdisciplinary CoE	9,20,449.00	87,66,282.00
Payments from Independent CoE	3,21,62,120.00	1,76,28,585.00
Payments from Other R&D Projects	2,09,338.00	11,97,929.00
Payments from Training & Workshops	28,86,233.00	10,85,459.00
Salary & Allowances- Administrative Staff	9,29,64,457.00	76,55,657.00
Administrative and General Expenses	1,60,20,787.13	92,24,774.00
Campus Maintenance Expenses	2,53,84,467.00	1,16,12,265.00
Other Expenses/Payments	1,10,60,044.00	46,02,412.21
Campus Construction- Extension/Augmentation	7,29,85,512.00	83,49,513.00
Duties & Taxes	3,20,38,930.00	1,15,54,813.50
Deposits to Students	4,06,000.00	1,18,000.00
EMD & Security Depsits	31,66,370.00	5,66,484.00
Loans & Advances	48,78,228.71	15,96,294.00
Payment to IITMK	71,65,427.00	1,51,18,339.00
Prepaid Insurance	-	6,17,694.00
Fixed Assets	-	10,103.00
Balance with Bank including Short Term Deposit	72,21,69,178.00	23,76,46,489.79
Total (B)	1,13,20,41,693.84	40,89,54,546.50

Auditors Report

As per our report of even date

For Thomas Jacob & Co

Chartered Accountants (F.R.No 004403S)

CA. Anand George Thomas, FCA
Partner (Membership No. 224903)

Thiruvananthapuram

25.03.2024

UDIN: 24224903BKCUGW5452

Dr. Saji Gopinath
Vice Chancellor

Dr. A Mujeeb
Registrar



KERALA UNIVERSITY OF DIGITAL SCIENCES, INNOVATION AND TECHNOLOGY

Schedules Forming Part of Balance Sheet as at 31st March 2023

SCHEDULE - 1 GENERAL CORPUS FUND

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
General Corpus Fund			
a. CCE Fund	1.1	90,89,788.00	59,40,131.00
b. CDPI Fund	1.2	1,88,09,163.00	1,18,80,263.00
c. Staff Welfare Fund	1.3	88,72,591.00	59,40,131.00
d. CEECS Fund	1.4	32,89,178.00	-
TOTAL		4,00,60,720.00	2,37,60,525.00

SCHEDULE - 2 INCOME AND EXPENDITURE

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Opening Balance		45,91,373.79	(99,52,986.00)
Add: Excess of income over expenditure after apportionment to Reserves for the year		1,15,97,954.41	1,45,44,359.79
TOTAL		1,61,89,328.20	45,91,373.79

SCHEDULE - 3 NON CURRENT LIABILITIES

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
One Time Financial Assistance From GoK As Corpus		50,00,00,000.00	50,00,00,000.00
TOTAL		50,00,00,000.00	50,00,00,000.00

SCHEDULE - 4 CURRENT LIABILITIES & PROVISIONS

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
A. Current Liabilities			
Statutory Dues	4.1	62,85,458.00	48,15,261.00
Caution Deposits	4.2	46,03,000.00	15,67,000.00
Security Deposits & EMD	4.3	18,19,236.00	6,05,906.00
Income Received in Advance	4.4	31,23,767.00	10,50,410.00
Independent Centre of Excellence	4.5	10,69,81,181.00	11,73,49,914.00
Interdisciplinary Centre of Excellence	4.6	59,32,632.00	-
Academic & Other Research Projects	4.7	65,06,532.00	30,09,597.00
Training Programs	4.8	1,06,26,408.00	-
Expenses/Vendors Payable		13,25,10,297.00	5,94,72,412.00
IIITMK Payable		13,20,350.00	88,23,391.00
Fellowship		25,53,211.00	-
Program Chair's Share		18,53,459.00	9,55,073.00
Plan Funded Projects	4.9	-	82,04,796.00
Campus Construction- Extension		-	2,52,07,315.00
TOTAL		28,41,15,531.00	23,10,61,075.00

SCHEDULE - 6 CURRENT ASSETS

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Cash In Hand		-	-
Bank Accounts			
Canara Bank A/c 2762101012939		1,35,84,416.86	14,26,51,716.84
Canara Bank A/c No. 110043291546		13,22,821.57	2,52,16,717.74
Canara Bank A/c No. 110037331071		2,20,29,986.57	5,65,23,336.90
HDFC A/c No.50200061748105		2,19,314.92	63,99,322.01
HDFC A/c No. 50100465591509		3,68,280.30	14,86,441.30
Treasury PSTSB A/c No.799012700002180		1,256.00	1,63,571.00
Canara Bank A/c 10063142570		1,44,08,338.68	-
Canara Bank A/c 10059255851		17,87,274.00	-
SBI A/c 40577817109		22,53,979.30	-
Treasury PSTSB A/c 799010100340945		5,605.00	-
Treasury PSTSB A/c 799010100348008		305.00	-
TOTAL		5,59,81,578.20	23,24,41,105.79

SCHEDULE - 7 LOANS, ADVANCES AND DEPOSITS

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Loans And Advances	7.1	2,00,230.00	1,99,513.00
Prepaid Expenses	7.2	1,08,696.00	6,17,694.00
Income Accrued but not Due	7.3	39,51,479.00	40,878.00
Deposits	7.4	66,92,91,802.00	52,05,384.00
Trade Receivables	7.5	3,43,94,928.00	1,06,98,050.00
Other Receivables	7.6	7,64,01,418.00	51,01,51,269.00
TOTAL		78,43,48,553.00	52,69,12,788.00

Schedules Forming Part of Balance Sheet as at 31st March 2023
SUB - SCHEDULE - 1.1 Corpus Fund

Schedule No.	Particulars	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
1.1	<i>CCE Fund</i>		
	Opening Balance	59,40,131.00	-
	Add: Additions during the year	38,04,661.00	59,40,131.00
	Less: Fund rearranged to CEECS Fund	6,55,004.00	-
	Sub Total	90,89,788.00	59,40,131.00
1.2	<i>CDPI Fund</i>		
	Opening Balance	1,18,80,263.00	-
	Add: Additions during the year	76,38,911.00	1,18,80,263.00
	Less: Fund rearranged to CEECS Fund	7,10,011.00	-
	Sub Total	1,88,09,163.00	1,18,80,263.00
1.3	<i>Staff welfare Fund</i>		
	Opening Balance	59,40,131.00	-
	Add: Additions during the year	45,47,257.00	59,40,131.00
	Less: Expenses during the year	16,14,797.00	-
	Sub Total	88,72,591.00	59,40,131.00
1.4	<i>CEECS Fund</i>		
	Opening Balance	-	-
	Add: Additions during the year	32,89,178.00	-
	Less: Expenses during the year	-	-
	Sub Total	32,89,178.00	-
	TOTAL	4,00,60,720.00	2,37,60,525.00

SUB - SCHEDULE - 4.1 Current Liabilities

Schedule No.	Particulars	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
4.1	<i>Statutory Dues</i>		
	GST Payable	27,76,975.00	39,08,963.00
	GST TDS Payable	9,51,295.00	1,59,480.00
	Income TDS Payable	17,34,870.00	5,14,958.00
	Employees Provident Fund	8,22,318.00	2,31,860.00
	Sub Total	62,85,458.00	48,15,261.00
4.2	<i>Caution Deposits from Students</i>		
	Academic	25,09,000.00	9,91,000.00
	Hostel	20,94,000.00	5,76,000.00
	Sub Total	46,03,000.00	15,67,000.00
4.3	<i>Security Deposits & EMD</i>		
	Security Deposits	17,57,442.00	5,48,262.00
	EMD	61,794.00	57,644.00
	Sub Total	18,19,236.00	6,05,906.00
4.4	<i>Income received in Advance</i>		
	Application Fee	60,750.00	41,575.00
	Hostel & Mess Fee	6,17,017.00	10,08,835.00
	Course Fee	24,45,000.00	-
	Bus Fee	1,000.00	-

	Sub Total	31,23,767.00	10,50,410.00
4.5	<i>Independent Centre of Excellences</i>		
	I. Indian Innovation Centre for Graphene	1,28,22,402.00	5,64,69,644.00
	II. GSTD Data Analytics Kerala	11,55,814.00	-
	III. Kerala Block Chain Academy	3,58,72,675.00	-
	IV. Centre for Consulting and Entrepreneurship		
	a. DWMS for KDISC	1,53,49,171.00	84,37,551.00
	b. AHD RFID Based Health Management	1,70,86,665.00	3,27,25,571.00
	c. Planspace	26,11,204.00	39,35,705.00
	d. AHD - WSSDSS for Disease MM	25,57,091.00	6,10,521.00
	e. SNOU - Digital Academic Support	61,71,691.00	42,36,932.00
	f. Dash Board for Sustainable Development	3,70,012.00	17,59,000.00
	g. RRII - CRISP		8,81,641.00
	h. Web GIS Portal Hydrographic Data Project	3,64,732.00	4,48,173.00
	i. AHD - Development Digital Hear Register	46,16,412.00	47,21,000.00
	j. RIAB Project	13,27,139.00	14,59,667.00
	k. Kudumbasree Integrated ERp Project	7,56,464.00	7,62,880.00
	l. SNOU Learning Management Program	4,52,710.00	4,52,710.00
	m. I&PRD Portal	2,08,000.00	80,000.00
	n. IMG Website AMC	1,75,500.00	1,36,000.00
	o. IMG RTI Knowledge Portal	2,56,785.00	-
	p. ICT Pest Surveillence	20,06,496.00	-
	q. Digitization of Toddy Shop	7,86,437.00	-
	r. AHD DPR Revamping SLBP	73,600.00	-
	s. Dept of Archeology Study of E-Ticketing	22,184.00	-
	t. Kerala Lokayuktha Digitization of Office	2,09,917.00	-
	u. K-TDMS	5,60,000.00	-
	v. Pepper Research Station Documentary	1,60,000.00	-
	w. Excise Dept Track & Trace	10,08,080.00	-
	x. Rubber Board - Develop of Mobile Project	-	2,32,919.00
	Sub Total	10,69,81,181.00	11,73,49,914.00
4.6	<i>Interdisciplinary Centre of Excellences</i>		
	Woman Incubation & Startups Entrepreneurship	59,32,632.00	-
	Sub Total	59,32,632.00	-
4.7	<i>Academic & Other Research Projects</i>		
	<i>Academic Research Projects</i>		
	British Council	2,30,857.00	6,09,597.00
	KDISC Medical Devise Development	22,93,002.00	24,00,000.00
	IBM EI	10,33,094.00	-
	<i>Other Research Projects</i>		
	Unnath Bharath Abhayan	29,343.00	-
	AICTE Translation	24,03,663.00	-
	Van Tienhoven Foundation	5,16,573.00	-
	Sub Total	65,06,532.00	30,09,597.00
4.8	<i>Training Programs</i>		
	Capacity Building in Industry Dept	1,06,26,408.00	-
	Sub Total	1,06,26,408.00	-
4.9	<i>Plan Funded Projects</i>		
	a. Knowledge Centre	-	4,98,623.00
	b. School of Computer Science & Engineering	-	46,14,011.00

c. School of Digital Humanities & Liberal Arts	-	18,62,393.00
d. School of Digital Science	-	4,91,603.00
a. School of Electronics & Automations	-	7,38,166.00
Sub Total	-	82,04,796.00

SUB - SCHEDULE - 7 Current Assets

Schedule No.	Particulars	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
7.1	<i>Loans & Advances</i>		
	Sundry Advance	1,05,690.00	1,33,181.00
	Travel Advance	9,564.00	66,332.00
	Prepaid Card	84,976.00	-
	Sub Total	2,00,230.00	1,99,513.00
7.2	<i>Prepaid Expenses</i>		
	Admission Expenses	82,981.00	-
	AMC Charges	25,715.00	-
	Insurance	-	6,17,694.00
	Sub Total	1,08,696.00	6,17,694.00
7.3	<i>Income Accrued but not Due</i>		
	Interest Receivable on Fixed Deposit	39,51,479.00	40,878.00
	Sub Total	39,51,479.00	40,878.00
7.4	<i>Deposits</i>		
	Term Deposit	66,61,87,600.00	52,05,384.00
	Security Deposits	31,04,202.00	-
	Sub Total	66,92,91,802.00	52,05,384.00
7.5	<i>Trade Receivables</i>		
	HDFC Bank Ltd	6,860.00	2,520.00
	Informations and Public Relations Department	1,18,000.00	1,18,000.00
	Kerala Development Strategic Council (KDISC)	1,48,500.00	30,70,500.00
	Sree Narayana Guru Open University	50,04,622.00	71,54,622.00
	Dept. Of Animal Husbandry	1,08,560.00	-
	Dept. of Industries & Commerce	1,43,37,000.00	-
	High Court Kerala	14,17,544.00	-
	Hydrographic Survey Wing	2,49,866.00	-
	Kerala State Goods and Service Tax Dept.	1,07,68,964.00	-
	Kerala State Industrial Development Corporation	46,494.00	-
	Kerala State Information Technology Mission	12,27,200.00	-
	Excise Dept.	4,28,318.00	-
	Motor Vehicle Dept	2,97,600.00	-
	Pepper Research Station	2,00,000.00	-
	M/s Bookserb	7,080.00	-
	M/s Vishista Software Systems	28,320.00	-
	Rubber Board, Kottayam	-	3,52,408.00
	Sub Total	3,43,94,928.00	1,06,98,050.00
7.6	<i>Other Receivables</i>		
	TDS on GST Recovered	1,46,725.00	12,706.00
	Project Expenses Receivable	1,27,76,287.00	23,39,396.00
	Students Fee Receivable	2,38,24,420.00	22,97,000.00
	Income Tax TDS- Current Year	14,56,090.00	13,90,690.00

Income Tax Receivable- Previous Years	13,90,690.00	-
Students Hostel Fee Receivable	13,16,454.00	-
Digital Science Park	93,608.00	-
Smart Data Centre	3,43,85,098.00	-
Starone IT Solutions Pvt Ltd	9,98,744.00	-
Technopark Receivable	4,502.00	-
Mr Meraj Uddin	7,005.00	-
Ms Sherin Noorudin	1,795.00	-
IIITMK Receivable	-	50,41,11,477.00
Sub Total	7,64,01,418.00	51,01,51,269.00

KERALA UNIVERSITY OF DIGITAL SCIENCES, INNOVATION AND TECHNOLOGY
Schedules Forming Part of Income and Expenditure for the year ended 31st March 2023

SCHEDULE - 8 INCOME FROM SCHOOLS

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
I. Receipts from Schools			
<i>School of Computer Science & Engineering</i>			
- Academic Income	8.1	1,71,00,000.00	78,76,150.00
- Grant from GoK		2,56,14,011.00	2,52,78,650.00
- Other Income (Training/Workshop/Conference)		10,66,506.00	-
<i>School of Digital Science</i>			
- Academic Income	8.2	1,95,45,000.00	57,46,920.00
- Grant from GoK		1,77,91,603.00	78,65,856.00
- Other Income (Training/Workshop/Conference)		-	24,000.00
<i>School of Electronics & Automations</i>			
- Academic Income	8.3	36,95,000.00	12,47,100.00
- Grant from GoK		94,38,166.00	92,61,834.00
- Other Income (Training/Workshop/Conference)		-	1,25,458.00
<i>School of Digital Humanities & Liberal Arts</i>			
- Academic Income	8.4	61,00,000.00	13,65,000.00
- Grant from GoK		1,03,62,393.00	31,37,607.00
- Other Income (Training/Workshop/Conference)		7,32,773.00	-
<i>School of Informatics</i>			
- Academic Income	8.5	20,40,000.00	12,74,150.00
- Grant from GoK		90,00,000.00	40,00,000.00
- Other Income (Training/Workshop/Conference)		-	2,01,647.00
II. Application Fees		9,64,725.00	2,28,057.00
III. Fine From Students		3,270.00	25,300.00
IV. Guideship Fees		30,000.00	-
TOTAL		12,34,83,447.00	6,76,57,729.00

SCHEDULE - 9 GRANT IN AID/ SUBSIDIES

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
One Time Financial Assistance from GoK		7,45,74,926.00	7,83,83,920.00
TOTAL		7,45,74,926.00	7,83,83,920.00

SCHEDULE - 10 INCOME FROM INTER-DISCIPLINARY CENTRE OF EXCELLENCE

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
<i>Knowledge Centre</i>			
Grant from GoK		97,98,623.00	95,01,377.00
<i>Kerala Security Audit and Assurance Centre</i>			
Grant from GoK		54,23,840.00	-
<i>Digital Learning Centre</i>			
Grant from GoK		13,00,000.00	-
<i>Centre for Digital Transformation in Culture</i>			

Grant from GoK Centre for Intelligent Government		13,00,000.00	-
Grant from GoK Women Incubation Startups and Entrepreneurship (WISe)		34,00,000.00	-
Grant from GoK		40,67,368.00	-
TOTAL		2,52,89,831.00	95,01,377.00

SCHEDULE - 11 INCOME FROM INDEPENDENT CENTRE OF EXCELLENCE

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Income from Independent Centre of Excellence			
Centre for Consulting and Entrepreneurship	11.1	4,95,31,532.00	2,53,49,176.00
Data Analytic Kerala GST		1,98,97,811.00	1,83,99,966.00
India Innovation Centre for Graphene	11.2	6,17,20,760.00	53,693.00
Kerala Block Chain Academy	11.3	1,46,85,365.00	-
TOTAL		14,58,35,468.00	4,38,02,835.00

SCHEDULE - 12 INCOME FROM ACADEMIC & OTHER RESEARCH PROJECTS

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Academic Research Projects	12.1	5,59,286.00	40,030.00
Other Research Project	12.2	1,16,994.00	-
TOTAL		6,76,280.00	40,030.00

SCHEDULE - 13 INCOME FROM TRAINING & WORKSHOPS

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Virtual IT & Capacity Building Training for Govt. Depts	13.1	1,18,02,626.00	69,26,750.00
Other Training Programs.	13.2	13,18,063.00	7,56,428.00
TOTAL		1,31,20,689.00	76,83,178.00

SCHEDULE - 14 INCOME FROM OTHER SOURCES

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Interest on Deposits	14.1	3,86,31,624.00	1,82,85,298.00
Students Hostel Fee		73,95,889.00	31,83,285.00
Students Mess Fee		79,22,875.00	34,44,727.00
Student Transportation Fee		1,12,500.00	48,000.00
Recruitment Application Fee		1,56,720.00	2,210.00
Rental Income		84,000.00	63,700.00
Sale of Tender Document		13,687.00	11,749.00
Miscellaneous Income		1,96,755.00	23,678.00
RTI Application Fee		480.00	-
Incubation License Fee		80,500.00	-
Financial Assistance From KSCSTE for IPR Cell		-	20,000.00
TOTAL		5,45,95,030.00	2,50,82,647.00

SCHEDULE - 15 EXPENDITURE ON SCHOOLS

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
<i>School of Computer Science & Engineering</i>			
- Infrastructure		25,34,411.00	1,50,00,000.00
- Salary & Allowances- Faculty & Staff		1,37,61,022.00	52,39,686.00
- Salary to Research Associates & Fellowships		1,23,84,151.00	38,45,431.00
- Course & Other Expenses		70,19,823.00	14,54,687.00
<i>School of Digital Science</i>			
- Infrastructure		40,82,790.00	31,00,000.00
- Salary & Allowances- Faculty & Staff		1,48,43,250.00	46,82,322.00
- Salary to Research Associates & Fellowships		27,99,248.00	19,51,918.00
- Course & Other Expenses		74,49,565.00	12,94,446.00
<i>School of Electronics & Automations</i>			
- Infrastructure		25,25,081.00	41,00,000.00
- Salary & Allowances- Faculty & Staff		1,04,16,968.00	23,68,956.00
- Salary to Research Associates & Fellowships		37,74,342.00	20,24,065.00
- Course & Other Expenses		13,98,743.00	12,63,227.00
<i>School of Digital Humanities & Liberal Arts</i>			
- Infrastructure		37,69,032.00	13,00,000.00
- Salary & Allowances- Faculty & Staff		60,19,238.00	11,44,026.00
- Salary to Research Associates & Fellowships		31,62,247.00	8,10,424.00
- Course & Other Expenses		17,31,114.00	97,783.00
<i>School of Informatics</i>			
- Infrastructure		14,40,547.00	10,00,000.00
- Salary & Allowances- Faculty & Staff		46,25,722.00	17,63,436.00
- Salary to Research Associates & Fellowships		32,72,393.00	14,00,064.00
- Course & Other Expenses		24,87,060.00	9,02,936.00
TOTAL		10,94,96,747.00	5,47,43,407.00

SCHEDULE - 16 EXPENDITURE ON GRANT IN AID/ SUBSIDIES

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
One Time Financial Assistance from GoK		7,45,74,926.00	7,83,83,920.00
TOTAL		7,45,74,926.00	7,83,83,920.00

SCHEDULE - 17 EXPENDITURE ON INTER DISCIPLINARY CENTRE OF EXCELLENCE

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
<i>Knowledge Centre</i>			
- Infrastructure		14,65,133.00	85,36,036.00
- Salary & Allowances		26,98,480.00	6,53,664.00
- Other Expenses		67,95,105.00	9,65,341.00
<i>Kerala Security Audit and Assurance Centre</i>			
- Infrastructure		15,96,000.00	-
- Salary & Allowances		17,78,446.00	-
- Other Expenses		9,64,626.00	-
<i>Digital Learning Centre</i>			

- Infrastructure		9,54,176.00	-
- Salary & Allowances		72,000.00	-
- Other Expenses		13,824.00	-
<i>Centre for Digital Transformation in Culture</i>			
- Infrastructure		9,05,228.00	-
- Salary & Allowances		1,15,592.00	-
- Other Expenses		19,180.00	-
<i>Centre for Intelligent Government</i>			
- Infrastructure		10,29,166.00	-
- Salary & Allowances		16,27,798.00	-
- Other Expenses		63,036.00	-
<i>Women Incubation Startups and Entrepreneurship (WISe)</i>			
- Infrastructure		10,29,166.00	-
- Salary & Allowances		2,03,119.00	-
- Other Expenses		8,35,083.00	-
TOTAL		2,21,65,158.00	1,01,55,041.00

SCHEDULE - 18 EXPENDITURE ON INDEPENDENT CENTRE OF EXCELLENCE

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Income from Independent Centre of Excellence			
Centre for Consulting and Entrepreneurship	18.1	4,34,44,824.00	2,17,03,176.00
Data Analytic Kerala GST		1,60,41,999.00	1,24,95,038.00
India Innovation Centre for Graphene	18.2	6,06,17,760.00	53,693.00
Kerala BlockChain Academy	18.3	1,13,45,750.00	-
TOTAL		13,14,50,333.00	3,42,51,907.00

SCHEDULE - 19 EXPENDITURE ON ACADEMIC & RESEARCH PROJECTS

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Academic Research Projects	19.1	5,39,286.00	40,030.00
Other Research Project	19.2	1,16,994.00	-
TOTAL		6,56,280.00	40,030.00

SCHEDULE - 20 EXPENDITURE FROM TRAINING & WORKSHOPS

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Virtual IT & Capacity Building Training for Govt. Depts	20.1	60,22,731.00	35,10,859.00
Other Training Programs.	20.2	8,98,836.00	5,34,136.00
TOTAL		69,21,567.00	40,44,995.00

SCHEDULE - 21 SALARY & ALLOWANCE ADMINISTRATIVE STAFF

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Salary & Allowances- Administrative Staff		1,70,40,784.00	75,61,992.00
EPF- Administrative Staff		5,25,411.00	1,12,133.00
TOTAL		1,75,66,195.00	76,74,125.00

SCHEDULE - 22 ADMINISTRATIVE AND GENERAL EXPENSES

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Domain, Internet & Telephone Charges		6,28,455.00	1,54,156.00
Local Conveyance Expenses		27,58,624.00	10,41,034.00
Miscellaneous Expenditure		93,932.00	2,47,057.00
Power & Fuel Charges		86,22,834.00	69,61,152.00
Water Charges		5,61,444.00	10,000.00
Consumables & Stationery		1,61,890.00	2,13,314.00
Internal Audit Fee		2,71,400.00	2,78,600.00
Professional/Legal Fees		1,14,100.00	98,075.00
Promotional Expenses		4,57,472.00	9,39,567.00
Recruitment Expenses		8,30,229.00	3,29,400.00
Rent		3,04,735.00	3,04,735.00
Statutory Audit Fee		1,77,000.00	1,02,000.00
Transition Committee Expenses		10,000.00	1,22,530.00
Travel Expenses		56,485.00	-
Insurance Expenses		6,17,694.00	-
TOTAL		1,56,66,294.00	1,08,01,620.00

SCHEDULE - 23 CAMPUS MAINTENANCE EXPENSES

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
AMC Charges		18,04,706.00	21,10,341.00
Facility Management Charges		76,79,425.00	56,31,676.00
Security Service Charges		49,53,181.00	40,21,576.00
Campus Maintenance- Miscellaneous		13,65,706.00	6,13,690.00
TOTAL		1,58,03,018.00	1,23,77,283.00

SCHEDULE - 24 OTHER EXPENSES

Particulars	Sub Schedule No.	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
Affiliation Expenses		36,760.00	32,018.00
Students Amenities		7,93,874.00	3,27,358.00
Students Hostel & Mess Expenses		1,18,18,567.00	47,36,352.00
Prior Period Expenses		-	-
Physical Education Expenses		4,04,501.00	-
Honorarium for Student Counsellor		95,000.00	-
NSS Expenses		49,023.00	-
Bank Charges		4,615.00	-
Rupee Round off		425.59	(85.79)
TOTAL		1,32,02,765.59	50,95,642.21

Schedules Forming Part of Income and Expenditure for the year ended 31st March 2023

SUB - SCHEDULE - 8 Income From Schools

Schedule No.	Particulars	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
	I. Receipts from Schools		
8.1	<i>School of Computer Science & Engineering</i>		
	MSc CS Cyber Security	1,01,10,000.00	37,88,000.00
	MSc CS Machine Intelligence	41,50,000.00	24,16,050.00
	MTech Computer Science	26,60,000.00	14,72,100.00
	Phd School of Computer Science & Eng.	1,80,000.00	2,00,000.00
	SUB - TOTAL	1,71,00,000.00	78,76,150.00
8.2	<i>School of Digital Science</i>		
	MSc CS Data Analytics	1,00,45,000.00	51,51,920.00
	MSc CS Geospatial Analytics	5,00,000.00	5,25,000.00
	MSc CS Data Alaytics & Bio AI	20,50,000.00	-
	MSc CS Data Alaytics & Comput. Science	51,45,000.00	-
	MSc CS Data Alaytics & Geo Informatics	15,75,000.00	-
	Phd School of Digital Sciences	2,30,000.00	70,000.00
	SUB - TOTAL	1,95,45,000.00	57,46,920.00
8.3	<i>School of Electronics & Automations</i>		
	MTech Electronics Engineering	21,50,000.00	11,57,100.00
	MSc Electronics	13,65,000.00	-
	Phd Scool of Electronics & Automation	1,80,000.00	90,000.00
	SUB - TOTAL	36,95,000.00	12,47,100.00
8.4	<i>School of Digital Humanities & Liberal Arts</i>		
	PGD E-Governance	21,00,000.00	13,65,000.00
	Master of Business Administration	40,00,000.00	-
	SUB - TOTAL	61,00,000.00	13,65,000.00
8.5	<i>School of Informatics</i>		
	MSc Ecology	20,40,000.00	12,64,150.00
	Phd School of Informatics	-	10,000.00
	SUB - TOTAL	20,40,000.00	12,74,150.00
	TOTAL	4,84,80,000.00	1,75,09,320.00

SUB - SCHEDULE - 11.1 Centre for Consulting & Entrepreneurship

Schedule No.	Particulars	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
11.1	DWMS for KDISC	79,38,380.00	64,12,449.00
	AHD RFID Based Health Management	1,56,38,906.00	88,42,225.00
	Planspace	72,13,832.00	10,79,239.00
	AHD - WSSDSS for Disease MM	24,15,430.00	15,08,123.00
	SNOU - Digital Academic Support	17,09,309.00	12,29,170.00
	Dash Board for Sustainable Development	13,88,988.00	5,61,000.00
	RRII - CRISP	20,69,641.00	3,06,359.00
	Web GIS Portal Hydrographic Data Project	15,65,691.00	1,87,077.00
	AHD - Development Digital Hear Register	1,04,588.00	12,79,000.00

	RIAB Project	1,32,528.00	25,40,333.00
	Kudumbasree Integrated ERp Project	6,416.00	3,80,720.00
	Rubber Board - Develop of Mobile Project	5,31,568.00	65,731.00
	IMG RTI Knowledge Portal	6,79,215.00	34,000.00
	High Court E-Governance	9,38,982.00	7,59,322.00
	I&PRD Portal	32,000.00	20,000.00
	Kissan	60,00,000.00	-
	ICT Pest Surveillance	3,59,254.00	-
	Digitization of Toddy Shop	2,09,325.00	-
	AHD DPR Revamping SLBP	18,400.00	-
	Dept of Archeology Study of E-Ticketing	59,476.00	-
	IMG Website AMC	17,500.00	-
	Kerala Lokayuktha Digitization of Office	70,083.00	-
	K-TDMS	1,40,000.00	-
	Pepper Research Station Documentary	40,000.00	-
	Excise Dept Track & Trace	2,52,020.00	-
	SNOU Learning Management Program	-	1,44,428.00
	TOTAL	4,95,31,532.00	2,53,49,176.00

SUB - SCHEDULE - 11.2 Indian Innovation Centre for Graphene (IICG)

Schedule No.	Particulars	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
11.2	IICG (Central Share)	5,60,01,786.00	53,693.00
	IICG (State Share)	57,18,974.00	-
	TOTAL	6,17,20,760.00	53,693.00

SUB - SCHEDULE - 11.3 Kerala Blockchain Academy (KBA)

Schedule No.	Particulars	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
11.3	Grant from GoK	1,00,00,000.00	-
	Other Income	46,85,365.00	-
	TOTAL	1,46,85,365.00	-

SUB - SCHEDULE - 12 Income from Academic & Other Research Projects

Schedule No.	Particulars	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
12.1	<i>Academic Research Projects</i>		
	British Council	3,78,740.00	40,030.00
	KDISC Medical Devise Development	1,06,998.00	-
	IBM EI	73,548.00	-
12.2	<i>Other Research Projects</i>		
	Unnath Bharath Abhayan	20,657.00	-
	AICTE Translation	96,337.00	-
	TOTAL	6,76,280.00	40,030.00

SUB - SCHEDULE - 13 Income from Training & Workshops

Schedule No.	Particulars	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
13.1	<i>Virtual IT & Capacity Training Program for Govt. Departments and PSUs</i>		
	Capacity Building for Motor Vehicle Dept.	34,02,202.00	12,00,000.00
	Capacity Building for Excise Dept.	4,80,000.00	11,60,000.00
	Capacity Building for KASE	6,75,000.00	4,15,750.00
	Virtual IT training for Health Dept.	10,40,000.00	-
	Virtual IT training for Industries Dept.	12,00,000.00	-
	Virtual IT training for Animal Husb. Dept.	12,00,000.00	-
	Virtual IT training for Kerala University	10,40,000.00	-
	Capacity Building for Govt. Secretariate Officials	15,25,424.00	-
	Training Program for IKM	12,40,000.00	-
	Capacity Building on AI for Various Depts	-	30,00,000.00
	Training on GPS Survey Prison	-	11,000.00
	Training Program for KSITM	-	20,000.00
	Virtual IT training for Registration Dept.	-	11,20,000.00
13.2	<i>Other Training Programs</i>		
	ODOI Project Innovation Leadership	3,05,084.00	4,57,626.00
	Advance Level Program in DSpace	1,02,374.00	-
	Applied Geoinformatics for Society and Environment 2022	3,97,475.00	-
	Growth Lab for Food Processing Sector	89,402.00	-
	HerStory Conclave	4,23,728.00	-
	Training on I E E E Course	-	1,25,458.00
	Innovation Trends in Brain Computing	-	1,00,000.00
	Workshop on Making Educational Video	-	14,416.00
	Workshop on Scholarly Writing & Publishing	-	58,928.00
	TOTAL	1,31,20,689.00	76,83,178.00

SUB - SCHEDULE - 14.1 Interest on Deposits

Schedule No.	Particulars	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
14.1	Interest on Financial Assistance	3,44,95,724.00	1,71,70,221.00
	Interest From Savings & Flexi Accounts	18,05,538.00	8,65,655.00
	Interest on Other Fixed Deposits	23,25,360.00	2,49,422.00
	Interest on Electricity Deposit	5,002.00	-
	TOTAL	3,86,31,624.00	1,82,85,298.00

SUB - SCHEDULE - 18.1 Expenditure on Centre for Consulting & Entrepreneurship

Schedule No.	Particulars	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
18.1	DWMS for KDISC	59,83,380.00	53,97,449.00

AHD RFID Based Health Management	1,61,29,906.00	83,51,225.00
Planspace	61,00,966.00	10,14,239.00
AHD - WSSDSS for Disease MM	17,09,855.00	11,78,123.00
SNOU - Digital Academic Support	11,13,495.00	10,96,170.00
Dash Board for Sustainable Development	14,85,988.00	4,64,000.00
RRII - CRISP	18,60,041.00	2,78,359.00
Web GIS Portal Hydrographic Data Project	12,86,241.00	1,70,077.00
AHD - Development Digital Hear Register	1,75,588.00	12,08,000.00
RIAB Project	11,48,528.00	15,24,333.00
Kudumbasree Integrated ERp Project	6,416.00	2,28,720.00
Rubber Board - Develop of Mobile Project	4,77,838.00	59,731.00
High Court E-Governance	9,11,186.00	5,59,322.00
IMG Website AMC	6,100.00	34,000.00
IMG RTI Knowledge Portal	4,92,015.00	-
Kissan	44,30,627.00	-
ICT Pest Survellience	59,254.00	-
Digitization of Toddy Shop	10,173.00	-
Dept of Archeology Study of E-Ticketing	43,144.00	-
Kerala Lokayuktha Digitization of Office	14,083.00	-
I&PRD Portal	-	20,000.00
SNOU Learning Management Program	-	1,19,428.00
TOTAL	4,34,44,824.00	2,17,03,176.00

SUB - SCHEDULE - 19 Expenditure on Academic & Other Research Projects

Schedule No.	Particulars	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
19.1	<i>Academic Research Projects</i>		
	British Council	3,58,740.00	40,030.00
	KDISC Medical Devise Development	1,06,998.00	-
	IBM EI	73,548.00	-
19.2	<i>Other Research Projects</i>		
	Unnath Bharath Abhayam	20,657.00	-
	AICTE Translation	96,337.00	-
	TOTAL	6,56,280.00	40,030.00

SUB - SCHEDULE - 20 Expenditure on Training & Workshops

Schedule No.	Particulars	Current Year 2022-23 (Amount in ₹)	Previous Year 2021-22 (Amount in ₹)
20.1	<i>Virtual IT & Capacity Training Program for Govt. Departments and PSUs</i>		
	Capacity Building for Motor Vehicle Dept.	15,58,778.00	7,73,162.00
	Capacity Building for Excise Dept.	2,24,930.00	8,09,938.00
	Capacity Building for KASE	1,82,607.00	3,58,254.00
	Virtual IT training for Health Dept.	5,96,824.00	-
	Virtual IT training for Industries Dept.	5,47,810.00	-
	Virtual IT training for Animal Husb. Dept.	6,56,922.00	-
	Virtual IT training for Kerala University	3,53,784.00	-

	Capacity Building for Govt. Secretariate Officials	10,39,965.00	-
	Training Program for IKM	3,66,385.00	-
	Capacity Building on AI for Various Depts	4,94,726.00	8,27,227.00
	Training on GPS Survey Prison	-	10,440.00
	Training Program for KSITM	-	17,200.00
	Virtual IT training for Registration Dept.	-	7,14,638.00
20.2	<i>Other Training Programs</i>		
	ODOI Project Innovation Leadership Program	1,25,276.00	2,59,606.00
	Advance Level Program in DSpace	78,840.00	-
	Applied Geoinformatics for Society and Environment 2022	3,74,657.00	-
	Growth Lab for Food Processing Sector	63,768.00	-
	HerStory Conclave	2,56,295.00	-
	Training on I E E E Course	-	1,25,458.00
	Innovation Trends in Brain Computing	-	1,00,000.00
	Workshop on Making Educational Video	-	11,943.00
	Workshop on Scholarly Writing & Publishing	-	37,129.00
	TOTAL	69,21,567.00	40,44,995.00

SCHEDULE - 5 FIXED ASSET

(Amount in ₹)

	DESCRIPTION	GROSS BLOCK				DEPRECIATION				NET BLOCK	
		Cost/valuation As at beginning of the year	Addition during the year	Deduction during the year	Cost/ valuation at the year end	As at the beginning of the year	Addition During the year	Deduction during the year	Total up to the year end	As at the current year end	As at the previous year end
I	Land:										
	a) Freehold	-	-	-	-	-	-	-	-	-	-
	b) Leasehold	-	-	-	-	-	-	-	-	-	-
II	Buildings:										
	a) On Freehold Land	-	-	-	-	-	-	-	-	-	-
	b) On Leasehold Land	-	-	-	-	-	-	-	-	-	-
	c) Ownership Flats/ Premises	-	-	-	-	-	-	-	-	-	-
	d) Superstructures on Land not belonging to educational institutions	-	-	-	-	-	-	-	-	-	-
III	Plants, machinery & equipment	-	-	-	-	-	-	-	-	-	-
IV	Vehicle	-	-	-	-	-	-	-	-	-	-
V	Furniture & fixtures	-	-	-	-	-	-	-	-	-	-
VI	Office Equipment	-	-	-	-	-	-	-	-	-	-
VII	Computer/peripherals	1,23,083.00	-	-	1,23,083.00	64,003.00	23,632.00	-	87,635.00	35,448.00	59,080.00
VIII	Electric Installations	-	-	-	-	-	-	-	-	-	-
IX	Library books	-	-	-	-	-	-	-	-	-	-
X	Tube wells & water supply	-	-	-	-	-	-	-	-	-	-
XI	Other fixed assets	-	-	-	-	-	-	-	-	-	-
A	Total of CURRENT YEAR	1,23,083.00	-	-	1,23,083.00	64,003.00	23,632.00	-	87,635.00	35,448.00	59,080.00
XII	Capital Work-in-progress	-	-	-	-	-	-	-	-	-	-
	TRANSFER TO ASSETS	-	-	-	-	-	-	-	-	-	-
B	NET WORK-IN-PROGRESS	-	-	-	-	-	-	-	-	-	-
	TOTAL (A+B)	1,23,083.00	-	-	1,23,083.00	64,003.00	23,632.00	-	87,635.00	35,448.00	59,080.00

KERALA UNIVERSITY OF DIGITAL SCIENCES INNOVATION AND TECHNOLOGY
Technocity Campus Thonnakal PO, Thiruvananthapuram

KUDSIT ACT 10 of 2021

NOTES TO FINANCIAL STATEMENTS FOR THE YEAR ENDED 31ST MARCH 2023

A. General Information

The Kerala University of Digital Science Innovation and Technology was set up by the Government of Kerala vide ACT 10 of 2021, 'The Kerala University of Digital Sciences, Innovation and Technology Act, 2021'. KUDSIT started functioning from the new campus of IIITM-K at Technocity. The University, named Digital University Kerala (DUK), was established with the motto 'Curating a Responsible Digital World'. The University aims to create capacity building at post-graduate and doctoral levels in the areas of Artificial Intelligence and Natural Language Processing, Internet of Things, Electronic Systems and Automation, Imaging Technologies, Data Analytics and Big Data, Cyber Security, Blockchain, Ecological Informatics, Geospatial Analytics etc.

B. SIGNIFICANT ACCOUNTING POLICIES

1. Basis of Preparation

The financial statements comprising Balance Sheet, Income and Expenditure account, Receipt and Payment account and Notes thereon are prepared in accordance with the Generally Accepted Accounting Principles in India. The financial statements are prepared on going concern, under the historical cost convention and on accrual basis unless otherwise stated. Accounting policies have been consistently applied except where a newly issued accounting standard is initially adopted or a revision to an existing accounting standard requires a change in the accounting policy hitherto in use.

2. Accounting Estimates

The preparation of the Financial statement of the Entity is in conformity with Indian Generally Accepted Accounting principles require management to make estimates that affect the reported amount of assets and liabilities at the date of the Financial Statement and the reported amounts of revenue and expenses, during the reporting period, although these estimates are based on management's best knowledge of current events and actions, actual results may ultimately differ from these estimates, which are recognized in the period in which the results are known/materialized.

3. Property, Plant and Equipment

3.1 For University- Property, Plant and Equipment is recognized when it is probable that future economic benefits associated with the item will flow to the Institute and the cost of the item can be measured reliably. Property, Plant and Equipment are carried at cost less accumulated depreciation and accumulated impairment losses, if any. The cost of Property, Plant and Equipment comprises its purchase price net of any trade discounts and rebates, import duties and other taxes (other than those subsequently recoverable from the tax authorities), directly attributable expenditure on making the asset ready for its intended use. Other incidental expenses and interest

on borrowings attributable to acquisition of qualifying Property, Plant and Equipment up to the date the asset is ready for its intended use are also capitalized.

3.2 For Projects: Cost of acquisition of fixed assets acquired using Project Grant/Income received from the concerned sponsoring agency is debited to the respective project account. No depreciation is being provided for the assets, as per AS-12.

4. Intangible Assets

Intangible assets are carried at cost less accumulated amortisation and accumulated impairment losses, if any. The cost of intangible assets comprises its purchase price net of any trade discounts and rebates, import duties and other taxes (other than those subsequently recoverable from the tax authorities), directly attributable expenditure on making the asset ready for its intended use, other incidental expenses and interest on borrowings attributable to acquisition of qualifying assets up to the date the asset is ready for its intended use. Subsequent expenditure on the intangible assets after its purchase / completion is capitalised only if such expenditure results in an increase in the future benefits from such asset beyond its previously assessed standard of performance.

5. Depreciation

Depreciable amount for assets is the cost of an asset, or other amount substituted as cost. Depreciation on Property, Plant and Equipment is calculated on the written down value method on the following rates. Depreciation is calculated at 50% of the actual rate if the asset is put to use for less than 182 days in the year of addition

5.1 Tangible Assets

- Plant & Machinery - 15%
- Computer & Accessories - 40%
- Building - 10%
- Electrical Fittings - 10%
- Furniture & Fittings - 10%

5.2 Intangible Assets

- Softwares - 25%

5.3 Carrying amount of Leasehold land is amortised over the shorter of the lease term or its useful life.

6. Revenue recognition

6.1 Academic Revenue

- a. Education fees received from the students are recognized pro-rata over the duration of the respective courses.
- b. Hostel & Mess fees received from the students are recognized pro-rata over the duration of the service offered.

6.2 Short Term Training Courses

Training/Course fee is recognized as revenue when the entity renders the related service i.e when the seminars are conducted.

6.3 Income - Others

Interest Income is recognized on a time proportion basis taking into account the amount outstanding and the rate applicable

7. Treatment of Government Grants

Grants from the Government are accounted for by the entity only on receipt, and a Grant received from the Government/(s) for any specific purpose is adjusted against the expenses incurred for the purpose for which it is granted.

8. Employee Benefit Expenses

No employee benefit expenses policy has been framed so far.

9. Additional Notes forming part of Financial Statements

1. Government of Kerala vide Govt. Order No. G.O (Rt) No. 25/2022/ITD dt 14.02.2022, issued administrative sanction for an amount of Rs 20 crore for setting up and augmentation of schools, library infrastructure, and for setting up of labs and AR/VR studios in Digital University. During the current financial year, an amount of ₹1216.17 lakhs was received for the sanctioned amount. Out of which ₹470.42 lakhs were resumed by the Government. The net amount of ₹745.75 lakhs is shown in the Accounts as Grant in Aid.
2. During the year, the Government of Kerala vide G.O (Rt) No. 154/2022/ITD dt 22.07.2022, issued administrative sanction for an amount of ₹2200 lakhs for the implementation of the scheme: "Centre of Excellence" from the head of account 4859-02-004-93 (P). Of which ₹ 952.23 lakhs were received. The Grant shown under respective schools and Centres.
3. During the year, the Government of Kerala vide G.O (Rt) No. 87/2022/ITD dt 21.05.2022, issued administrative sanction for an amount of ₹ 100 lakhs for the implementation of the scheme: "Women Incubation, Startup Entrepreneurship Scheme (WISe)" from the head of account 2852-07-202-77 (P). ₹ 100 lakhs were received for the project. The amount was shown under the respective project.
4. During the year, the Government of Kerala vide G.O (Rt) No. 213/2022/ITD dt 14.10.2022, issued a comprehensive administrative sanction for an amount of ₹ 2575 lakhs for the implementation of the project: "Indian Innovation Centre for Graphene" from the head of account 4859-02-004-91 (P). Out of which, ₹ 1500 lakhs were released, and later ₹ 1321.06 lakhs were resumed by the Government. Net amount of ₹ 178.94 lakhs shown under the respective scheme.

Photo Gallery



Republic Day Celebrations 2023



MoU Signing with IISER for Academic and Research Collaboration



Capacity Building Program in e-Governance and Productivity Enhancement
Workplace using ICT Tools



Unnat Bharat Abhiyan Unit of the Digital University Kerala conducted
Cancer Awareness Day Talk



International Women's Day 2023 Celebration



Medical Awareness Talk conducted by NSS Unit of DUK



Engineering and Diploma Technical Books in Malayalam Dedicated to the Nation by Honorable President of India



British Deputy High Commissioner's Visit



DUK Signing of MoU with Carborundum Universal Ltd (CUMI)



Growth Lab organized for MSMEs in the Food Processing Industries



Comprehensive Rubber Information System Platform (CRISP) launched by Digital University Kerala for Rubber Research Institute of India (RRII)



PM Modi laid foundation stone of India's first Digital Science Park in Kerala



Talk on Blockchain Adoption by Enterprises by Bob Crozier, Chief Architect, Head of Enterprise Architecture & Global Head of Blockchain, Allianz Technology, Germany



National Service Scheme (NSS) and Unnat Bharat Abhiyan (UBA) of DUK organized beach cleaning drive at Kochuveli Beach and Pothencode Bus stand and Town



MoU signing between Digital University Kerala (DUK) with Government Engineering College Thrissur (GECT) and TKM College of Engineering, Kollam, for collaborating on research-oriented programmes in electronics engineering



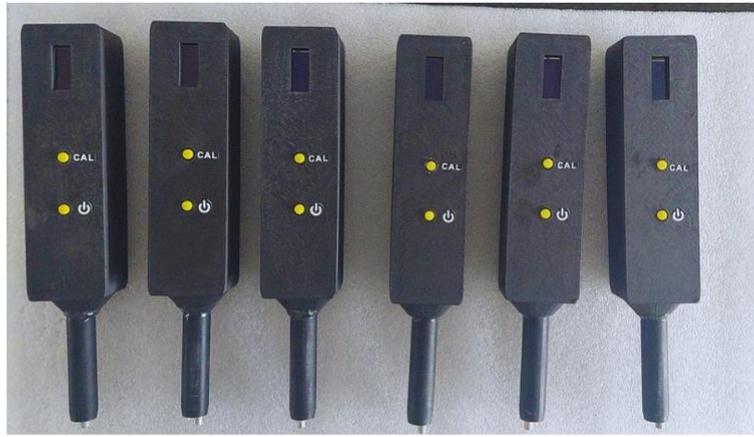
Prof. Asharaf S, Dean (Development), Digital University Kerala explains in simple terms to students all about Artificial Intelligence and Machine Learning aired by Victers Edu channel



DUK, Social Engagement Cell in collaboration with KIMS Health Cancer Centre organized Breast Cancer Screening Camp at Melthonnakkal Village, Mangalapuram Panchayat



Device for Intraoperative Auto-transfusion developed by Prof. John Eric Stephen Team



Portable IoT enabled pH meter developed by Dr. Jose Joseph and Team in collaboration with Indian Institute of Science Bengaluru (IISc Bangalore)



Resume Building workshop for the 2023 batch



One-day experiential learning program conducted by DUK



Certificate distribution and Compendium of projects release ceremony for the second batch of Capacity Building in Artificial Intelligence & Data Analytics conducted by Digital University Kerala



Kerala Chief Minister Inaugurates State-of-the-Art Electronics and PCB Labs at Digital University Kerala, Lays Foundation Stone for International Hostel



The students of MTech Computer Science, MTech Electronics, and MSc. Ecology from Digital University Kerala visit to UST Campus in Technopark



Kerala Security Audit and Assurance Center (KSAAC) hosted two-week training programme on cyber security for the second semester computer engineering students of Govt Womens Polytechnic College, Kaimanam, Thiruvananthapuram



Visit of Shri. Alkesh Kumar Sharma IAS
Secretary, Ministry of Electronics and IT, Government of India to DUK



Digital University Kerala Establishes Brain Computing Lab to Foster
Research in Neuroscience



KSAAC Conducted One Month Cyber Security Program on
Be Cyber Smart: Secure your Digital Life



The Social Engagement Cell and Physical Education Department of DUK jointly
organized a blood donation camp



Interaction of students with the Honorable Vice Chancellor of DUK on Social
Engagement



Academic Forum of Project Management Institute Inaugurated at Digital University Kerala



DU Celebrated 9th International Yoga Day



World Environment Day Celebration in DUK Campus



A Book Exhibition is organized by Knowledge Centre, DUK



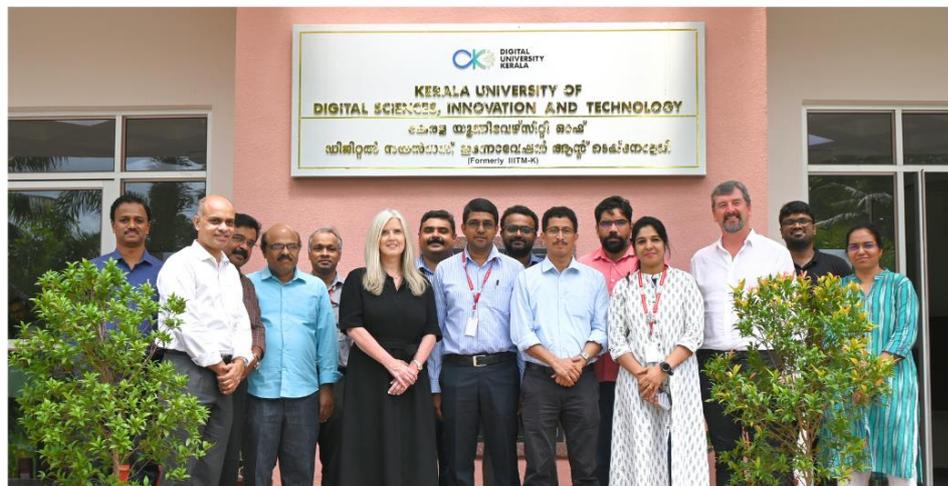
Knowledge Centre Conducted User Education Program on IEEE Xplore at DUK



DUK 1st Convocation Ceremony



DUK, The Institution's Innovation Council organized A fireside chat on Emerging technologies: Future Discussion Series supported by IEEE Kerala Circuits and Systems Society, Kerala Startup Mission



The Institution's Innovation Council (IIC) and Innovation Club - DUK organised a tech talk on Emerging Technologies and the Disruption of Business by Ms. Edwina Fitzmaurice, Global Chief Customer Success Officer, EY



KSAAC, DUK hosted an awareness program on Navigating the Cyber Security Landscape: Essential Training for Career Starters



Physical Networking Session 2 of Post Graduate Certificate Program on Entrepreneurship: Small Business Management (PGCSBM) Batch 3



3rd Networking Session and Final Examination for Batch 1 Post-Graduate Certificate program in Entrepreneurship: Small Business Management



Centre for Digital Transformation & Innovation (CDTI) submitted a Functional Requirements Specification (FRS) to the Dept. of Archaeology, Govt. of Kerala, as part of the project to develop an application for Centralised e-ticket Issuing and Monitoring System (CeTMS)



Hon. VC and faculty members from DUK visited the SunTec campus as part of the industry-academic collaboration



Stakeholders' Meeting on Management of Waterbodies in Pothencode Panchayat at DUK



Student council conducted a seminar on Democratizing AI .
The session was led by Mr. Shamshad Ansari, CEO and co-founder of Accure
Inc. in USA



Gala Milo - Night Gathering of DUK



Live streaming Chandrayaan-3 at DUK



Inauguration of the First phase of Digital Science Park



National Award for e-Governance 2023



DUK Opens State-of-the-Art Augmented Reality (AR), Virtual Reality (VR), and Digital Media Studio endeavors



DUK in collaboration with Institution's Innovation Council (IIC) conducted a Session on Accelerators/Incubation Opportunities for Students & Faculties - Early-Stage Entrepreneurs

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 FREEDOM FEST2023



A group of researchers visited Kanikkar tribal community in the Vithura and Kallar Scheduled Tribe settlements to investigate the challenges faced by them



Session on "Real-Life Cases of Business Analytics Projects in the Industry"



Talk on Digital Transformation in Banking & Finance Sector



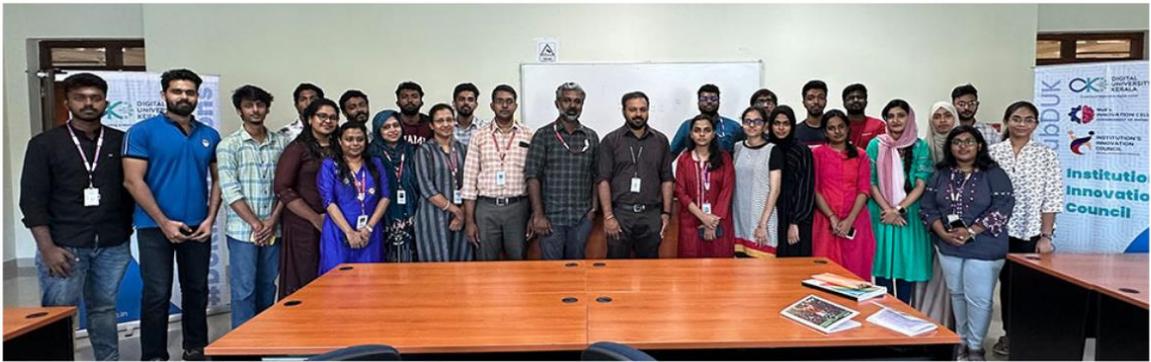
DUK Bio Ai student visit to Sagenome



Onam celebrations @ DUK



DUKInnoFest'23



Session on Accelerators/Incubation - Opportunities for Students & Faculties
- Early Stage Entrepreneurs organized by Institution's Innovation Council (IIC), DUK



DIGIFUSION
Fresher's Day 2023 - Digital University Kerala



Workshop on Statistical Learning Methods



Development of Rural Education and Mentoring Scheme (DREAMS)



Annual Sports Meet 2023