Avinashilingam Institute for Home Science and Higher Education for Women

**AIU – Avinashilingam Institute –
Academic and Administrative Development Centre
(AIU-AI-AADC)
&
Central Library**

Jointly organizes

I Short Term Capacity Building Programme

on

Smart Data Storage : Next-Gen Archiving and Retrieval

19.02.2024 to 23.02.2024

Mode : Online

**Invited Talks
Case Studies
Hands -on Sessions
Activities**

ABOUT THE INSTITUTE

Avinashilingam Institute for Home Science and Higher Education for Women - the epitome of higher education is one of the premier institutions in India well known for its commitment towards the empowerment of women through value based and holistic education. The institute follows educational ideals of Sri Ramakrishna, Holy Mother Sri Saradamani Devi, Swami Vivekananda and Mahatma Gandhiji. The institute is one of the significant contributions of Padma Bhushan, Dr. T. S. Avinashilingam, an illustrious educationist, freedom-fighter and Gandhian and Dr. Rajammal P. Devadas, the world- renowned nutritionist.

The Institute had its humble beginning in the year 1957 as Sri Avinashilingam Home Science College for Women and has been conferred the Deemed to be University by MHRD in 1988. Few of the recent accolades of the Institute includes: A++ with CGPA of 3.65/4 by NAAC; 81st Rank in NIRF, 5th Rank under the category of 'University & Deemed to be University (Govt. & Govt. Aided) Technical' in ARIIA – 2021.

Presently, the institution is progressing towards 'beyond-excellence' under the able guidance and leadership of Dr.T. S. K. Meenakshi Sundaram, Managing Trustee and Chancellor, Dr. V. Bharathi Harishankar, Vice Chancellor and Dr. S. Kowsalya, Registrar.

ABOUT THE ASSOCIATION OF INDIAN UNIVERSITIES

Association of Indian Universities (AIU) is an apex inter university representative body of universities and other higher education institutions in the country. Established in 1925 as the Inter University Board (IUB) of India, it acquired its legal status as a registered society in 1967 under the Societies Registration Act 1860 and was rechristened as Association of Indian Universities (AIU) in 1973. AIU is the second oldest university association in the world next to the Association of Commonwealth Universities which was established in 1913.

It has the distinct feature of having the largest network of universities and other HEIs under its ambit with 981 Members which includes 16 Associate Members of Foreign Countries. The membership of AIU includes all types of universities e.g., Conventional Universities, Open Universities, Deemed to be Universities, State Universities, Central Universities, Private Universities and Institutes of National Importance.

In addition to Indian Universities, Universities / Institutes from Bangladesh, Bhutan, Republic of Kazakhstan, Malaysia, Mauritius, Nepal, Thailand, United Arab Emirates and United Kingdom are its Associate Members. Since its inception AIU has played a very significant role in the development of Education in the Country.

Some of the eminent scholars and visionary leaders like Dr Sarvepalli Radhakrishnan, Dr Shyama Prasad Mukherjee, Dr Zakir Hussain, Sir. A L. Mudaliar have given leadership to AIU. During such a long journey, AIU has carved a niche for itself by serving the Ministry of Education, Govt. of India as a research-based policy advisory body. Being an apex institution, it constitutes an integral part of all major decision-making committees and commissions in the country.

As an academic 'think tank' organization, AIU supports the Government as research-based policy advisory body with the wider mandate of taking up research projects on higher education policy and capacity building. It also acts as a bureau of information on higher education; liaise with international bodies and universities for internationalization of Indian higher education among many others. The Vision of AIU is to emerge as a dynamic service and apex advisory organization in India by undertaking initiatives and programmes which could strengthen and popularize Indian higher education as leading-edge system in the world and promote greater national and international collaboration in Higher Education, Research, Extension, Sports, Youth and Cultural Activities.

It is bestowed with the mission of promoting and representing the Indian Universities and other higher education institutions through strong liaison with the government and National/International organizations, sister associations world over and establish liaison between/among universities through active support, cooperation and coordination among the member universities and all its stakeholders for quality education, research and other academics and extension activities.

ABOUT THE CENTRE

AIU–Avinashilingam Institute - Academic and Administrative Development Centre (AIU-AI-AADC) has been initiated by the institute in association with Association of Indian Universities (AIU) as a step towards training the human resources of higher education institutions. The specific objectives of the centre are:

- Facilitate learning through Performance Improvement Programmes for different groups (Administrators/Teaching Faculty/Non-Teaching Research Scholars/Technical Personnel) towards progression based on their career stages.

- Enable continuous learning through rigorous need-based training sessions

- Sensitize stakeholders on recent developments in higher education system in the country and across the world.

- Equip academic / administrative / technical / information personnel with the requisite skills on ICT to handle their work effectively.

- Develop integrity and professional ethics among higher education personnel.

- Strengthen the human capital of the country with right attitude, skills, and knowledge

VISION

To facilitate value-based transition towards changing higher education ecosystem through continuous capacity building.
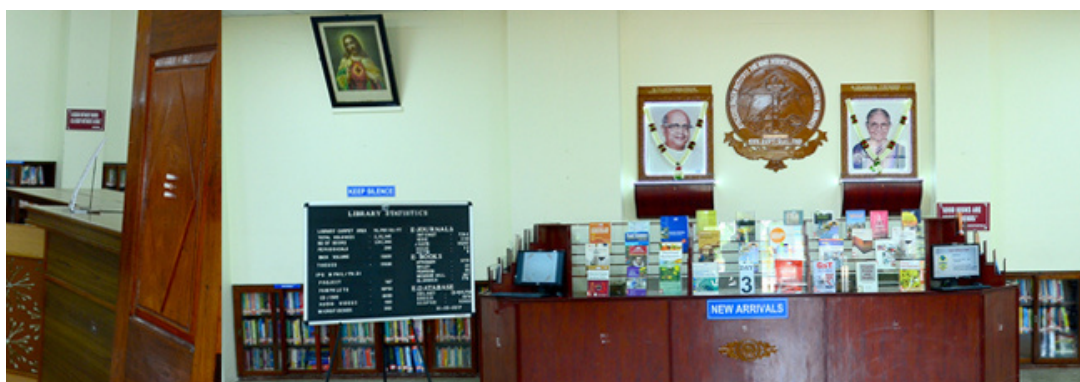
MISSION

To impart ICT enabled training to human resources of higher education institutions thereby preparing themselves towards Education 5.0.

ABOUT THE CENTRAL LIBRARY

- The Central Library of AIHS&HE was established in 1957 by Dr. T.S. Avinashilingam, the great patriot, educator, and founder of the institute. The Library is fully automated with an Integrated Library Management System (KOHA version 19.11.10.000) and RFID technology in 2014. The users can access 2,21,457 print resources and 5,07,945 e-resources.

- Shibboleth access is provided to users to access both subscribed and e-shodhsindhu consortium resources. Drillbit and Turnitin are available for plagiarism checking, and Grammarly enhances the writing skills of students and scholars.

- The Library has an excellent computing infrastructure with hardware, software and a National Knowledge Network (NKN) with one Gbps leased line. Digital Library with 40 nodes is housed in the central Library to access the e-resources.

- The Inter-Library Loan is provided through DELNET and J-gate Plus. The subject gateway facilitates the readers' access to all the library resources available on their specific subject. Publications of our faculty members, theses, rare books, and question papers are digitized and archived as an institutional repository using Dspace, which can be accessible through the intranet.

- The Library has extended a wide range of services for the users, including Citation Analysis, Current Awareness Service, Document Delivery Service, e-alerts/SMS alerts, Inter-Library Loan, Plagiarism Checking, Product presentation and trials, Reference/Referral Service and Reprography.

- A separate air-conditioned section is dedicated to the visually challenged students with a ramp and wheelchair facility in the reading hall. The Library facilitates them with assistive technologies, multimedia computers and Braille books.

ABOUT THE PROGRAMME

- In an era dominated by an explosion of data, effective management and retrieval of information have become pivotal in various sectors. Higher Education Institutions (HEIs) manage vast and diverse data as a routine activity. Academic records, research findings, and administrative data represent just a fraction of the information that Higher Education Institutions grapple with daily. The necessity to organize, secure, and retrieve this information efficiently is critical for the seamless functioning of academic processes. To address the pressing challenges faced by institutions and the professionals responsible for managing data, we introduce the workshop on "Smart Data Storage: Next-Gen Archiving and Retrieval."

- Information scientists, particularly those in the role of librarians, are the stewards of knowledge repositories within HEIs. In an era where information is not just voluminous but also dynamic, the need for librarians to stay abreast of cutting-edge technologies is undeniable. This workshop provides a tailored approach for information scientists, equipping them with tools to navigate the complexities of smart data storage. Librarians will gain insights into advanced retrieval methods, cloud-based archiving, and big data integration, enabling them to optimize library systems and contribute significantly to the information infrastructure of their institutions.

- The workshop would also be beneficial for Professionals involved in data archiving and retrieval who shoulder the responsibility of ensuring the accessibility, integrity, and security of vast datasets. Participants will acquire practical skills and knowledge that empower them to implement advanced data management strategies, fostering efficiency and reliability in their roles.

- In essence, the workshop on "Smart Data Storage: Next-Gen Archiving and Retrieval" emerges as a transformative opportunity for Higher Education Institutions, data management professionals, and information scientists alike. By fostering a collaborative learning environment, the workshop aims to empower participants with the skills and knowledge needed to navigate the data-intensive landscape of modern education effectively.

OBJECTIVES

- Equip participants with a deep understanding of the latest innovations in smart data storage technologies.

- Enhance retrieval capabilities through advanced techniques for quick and accurate data access.

- Explore the benefits and best practices of leveraging cloud-based solutions for scalable and secure archiving.

- Provide strategies and tools for efficient management and archiving of large datasets in the educational context.

- Showcase real-world applications of smart data storage technologies through case studies and success stories.

- Tailor content to the specific needs of information scientists, focusing on advanced topics and specialized knowledge.

- Facilitate networking and collaboration, encouraging the exchange of best practices and community-driven problem-solving.

TARGET PARTICIPANTS

Information Scientists (Librarians) IT Professionals in Higher Education, Data Archivists and Managers, Researchers and Academics, Administrative Staff, Data Analysts and Scientists, Professionals in Information Management, Educational Technology Specialists, System Administrators, IQAC Personnel, Those Interested in Digital Transformation

Duration : 19.02.24 to 23.02.24

(5 Days Programme)

Time : 9:30 am to 4:45 pm

PROGRAMME SCHEDULE

Day 1: Date: 19.02.2024

Foundations of Smart Data Storage

- Smart data storage in higher education Institutions

- Best Practices in Data Archiving and Retrieving in HEIs

- Orientation Towards Institution library

- Enhancing Research on smart data storage with IEEE publications

Day 2:   Date: 20.02.2024

Modern Archiving Technologies

- Artificial Intelligence in Libraries

- Open Data and Research data Management

- Cloud Archiving Trends and Best Practices, Multi-cloud Strategies

- Application of Blockchain in Data Archiving

Day 3:   Date: 21.02.2024
Modern Archiving Technologies

- Collaborative Data Governance and Data Management committees

- Big Data and Libraries: Opportunities and Challenges

- Importance of cyber security in Data Archiving

- Data Visualisation and Web Scraping (XMind : Mind Mapping Tool)

Day 4: Date: 22.02.2024

Advanced Retrieval Techniques

- **Metadata Formats for Effective Information Retrieval.**

- **Artificial Intelligence in Data Retrieval- AI Based search algorithms**

- **Digital Archiving: Roja Muthiah Research Library-A case study**

- **Basics of Next-Gen Archiving: Concepts and Principles**

Day 5: Date: 23.02.2024

Integration and Future Perspectives

- **The National School of Drama and its Archival Repositories - An Overview**

- **The National Library of India: Resources for Knowledge and Research**

- **Copyright Issues in Data Archiving**

- **Best Practices in Data Archiving and Retrieving in HEIs**

LIST OF RESOURCE PERSONS

- **Prof. Devika Madalli**, Director, INFLIBNET.

- **Professor (Dr.) Ramesh C. Gaur**, Dean (Administration), Professor & HoD Kalanidhi Division, Indira Gandhi National Centre for Arts (IGNCA).

- **Dr. Nabi Hasan**, Librarian & Head, Central Library, Indian Institute of Technology, Delhi.

- **Dr. A.R.D. Prasad**, Former Professor and Head, Documentation Research and Training Centre (DRTC), Indian Statistical Institute.

- **Dr. J. Vivekavardhan**, Professor/ University Librarian, Central University of Kerala.

- **Dr. R. Sevukan**, Professor & Dean, and **Ms. Naseema S**, Senior Research Fellow, Department of Library & Information Science, School of Media and Communications, Pondicherry University.

- **Dr. K. Elavazhagan**, Librarian & Chief Knowledge Officer, Indian Institute of Management, Trichy.

- **Dr. G. Rathinasababathy**, University Librarian, Tamil Nadu Veterinary and Animal Sciences University, Chennai.

- **Mrs. Parvathi Bobby Patham**, Global Manager, Discovery & Discovery Services, Springer Nature.

- **Dr. E. Gajalakshmi**, Librarian, National School of Drama, Ministry of Culture, Govt. of India, New Delhi.

- **Dr. S. Siva Prasad Senapathi**, Principal Library & Information Officer, National Library of India, Ministry of Culture, Govt. of India, Kolkata

- **Dr. K. Ramasamy**, College Librarian, M.V. Muthiah Government Arts College for Women, Dindigul.

- **Dr. R. Karthikeyan**, Professor & Head, Department of Artificial Intelligence and Data Science, Dr. NGP Institute of Technology, Coimbatore.

- **Dr. S. Rajalakshmi**, Professor, Department of Artificial Intelligence and Data Science, Dr. NGP Institute of technology, Coimbatore.

- **Mr. M. Manikanda Subbu,** Assistant Director,R oja Muthiah Research Library, Chennai.

- **Dr. Dhanukumar Pattanashetti**, IEEE Client Services, Bengaluru, Karnataka.

- **Dr. Akhlaq Ahmed**, Library Associate, Centre for Women's Development Studies, Delhi.

- **Mr.Sadhrul Hudha A.H**, Software Engineer, NoviTech R &D Pvt Ltd, Coimbatore.

REGISTRATION

REGISTRATION LINK :
https://forms.gle/vRFNB9A6oi53RfvZ8

REGISTRATION FEE

- **Indian Participants Rs. 750**

- **International Participants USD 25**

PAYMENT DETAILS

BANK ACCOUNT DETAILS

Account Name : Avinashilingam Institute for Home Science and Higher Education for Women

Name of the Bank : Indian Bank

Bank Account Number : 917248759

IFSC Code : IDIB000A005

SWIFT Code : IDIBINBBCBE

AI ADVISORS

Dr. T. S. K. MEENAKSHISUNDARAM, Managing Trustee & Chancellor

Dr. V. BHARATHI HARISHANKAR, Vice Chancellor

Dr. S. KOWSALYA, Registrar

AIU ADVISORS

Dr. PANKAJ MITTAL, Secretary General, AIU

Dr. AMARENDRA PANI, Joint Director & Head, Research Division, AIU

PROGRAMME COORDINATOR

Dr. (Mrs.) T. THILAGAVATHI, Assistant Librarian (SG) ,
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ORGANIZING SECRETARIES

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Mrs. J. GEETHA, Information Scientist
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REACH US AT

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