Avinashilingam Institute for Home Science and Higher Education for Women

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

Centre for Machine Learning and Intelligence (CMLI) & Department of Education
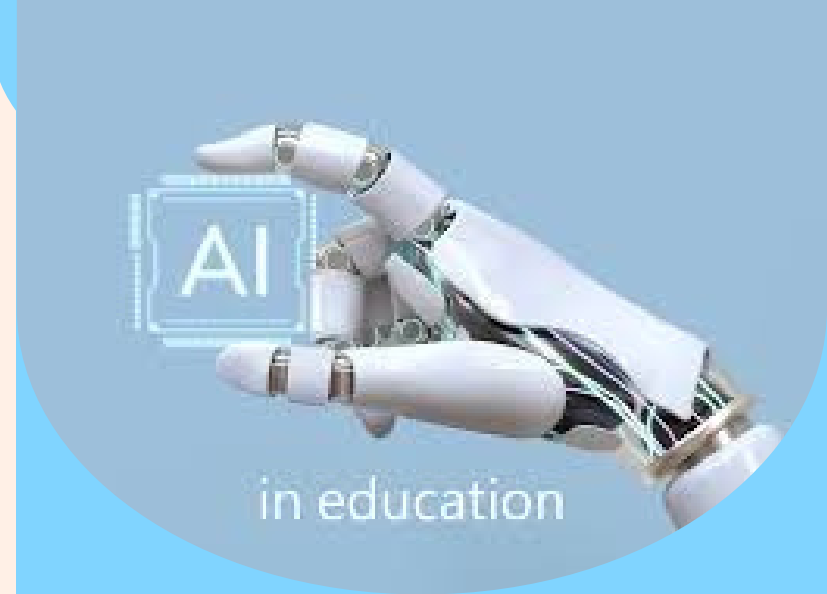
Jointly organizes

II Short Term Capacity Building Programme for the year 2024

on

Adaptive Learning: Personalized Education with AI

01.04.2024 to 05.04.2024

Online!

Invited Talks
Case Studies
Hands -on Sessions
Activities

AI in education

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 1002 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.

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 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

ABOUT THE PROGRAMME

- In today's educational landscape, the rapid advancement of technology has transformed traditional teaching and learning methods. Amidst this evolution, the integration of Artificial Intelligence (AI) into education has emerged as a powerful tool to personalize learning experiences. Adaptive learning, a subset of AI, tailors educational content and delivery to meet the unique needs and preferences of individual learners, thereby optimizing engagement and learning outcomes.

- This program addresses the pressing need for higher education professionals to understand and harness the potential of adaptive learning technologies. By providing a comprehensive overview of adaptive learning principles, AI-driven tools, and pedagogical strategies, participants will gain insights into how to create dynamic, personalized learning environments that cater to diverse learner profiles.

- Furthermore, the program emphasizes the practical application of adaptive learning through hands-on workshops, case studies, and collaborative projects. Participants will explore cutting-edge AI technologies, analyze learning analytics data, and develop action plans for integrating adaptive learning into their curricula effectively.

- By the program's end, participants will not only possess the knowledge and skills to implement adaptive learning solutions but will also be equipped to navigate the challenges and ethical considerations inherent in this rapidly evolving field. Through collaboration and shared expertise, they will be empowered to drive innovation and enhance the quality of education in higher education institutions, ultimately fostering student success in the digital age

OBJECTIVES

- Understand the fundamentals of adaptive learning and its applications in higher education.

- Explore various AI-driven tools and platforms for adaptive learning.

- Design and implement personalized learning experiences using adaptive learning technologies.

- Analyze data insights to inform instructional decision-making and enhance learning outcomes.

- Foster collaboration among participants to share best practices and strategies for integrating adaptive learning into curricula.

TARGET PARTICIPANTS

This program is designed for higher education institution professors, lecturers, and network administrators who are interested in leveraging AI-driven adaptive learning technologies to enhance teaching and learning outcomes.

Duration : 01.04.2024 to 05.04.2024

(5 Days Programme)

Time : 9:30 am to 4:45 pm

Mode : Online

PROGRAMME SCHEDULE

Day 1: Date: 01.04.2024

Introduction to Adaptive Learning

- **Artificial Intelligence and Adaptive Learning**
- **AI Technologies in Higher Education**
- **Using Data to Personalize Instruction**
- **Demo: LANQUILL, AI based personalised Language learning tool**

Day 2: Date: 02.04.2024

AI-driven Tools for Adaptive Learning

- **Understanding Adaptive Learning Principles**
- **Interpreting Learning Analytics Dashboards**
- **Adaptive Assessment Tools and Techniques**
- **Demo: Exploring Adaptive Learning Platforms**

Day 3: Date: 03.04.2024

Designing Personalized Learning Experiences

- **Pedagogical Approaches for Adaptive Learning Design**
- **Content Customization and Sequencing**
- **Adaptive Feedback and Support Mechanisms**
- **Building Learner Profiles and Preferences**

Day 4 : Date: 04.04.2024

Data Analysis and Decision-making

- **Collaborative Learning Communities and Networks**

- **Gamification for Learning**

- **Learning Management Systems (LMS) with Adaptive Features**

- **Data Collection and Analytics in Adaptive Learning**

Day 5 : Date: 05.04.2024

Integration and Collaboration

- **Ethical Considerations in Adaptive Learning Data Usage**

- **Faculty Development and Training for Adaptive Learning**

- **Adaptive Design for learning: New Trends**

- **Future Trends in Adaptive Learning and AI**

LIST OF RESOURCE PERSONS

- **Prof Marmar Mukhopadhyay,** Director, Educational Technology and Management Academy, New Delhi.

- **Dr. Mythili Ramchand,** Professor and Co-Chairperson, Centre of Excellence in Teacher Education, Tata Institute of Social Sciences(TISS),Mumbai.

- **Dr. Premnadh M Kurup,** Professor, STEM Education(TF)Education, La Trobe University, School of Education, Melbourne, Australia.

- **Dr. M.N.G.Mani,** Chief Executive Officer, ICEVI Secretariat, Coimbatore.

- **Dr. J.Sujathamalini,** Dean,School of Special Education, Alagappa University, Karaikudi.

- **Dr. George Ghinea,** Professor of Mulsemedia Computing, Director of Research, Department of Computer Science, Brunel University, London, UK.

- **Dr. Vivekanandan Suresh Kumar,** Professor, Athabasca University, Edmonton, Alberta, Canada.

- **Dr Sheela G,** Professor, Department of Studies in Education, University of Mysore.

- **Prof E Ramganesh,** Professor, Department of Educational Technology, Bharathidasan University, Trichy.

- **Mr. Senthilkumar Rajappan,** Founder & CEO, Halcyon.

- **Mr. B.C. JaiNareesh,** Technical Head, Scopik Edutech, Chennai.

- **Mr. Bijo Kuruvilla,** VP - Enterprise Solutions.

- **Dr. Arindam Bose,** Associate Professor, Centre of Excellence in Teacher Education, Tata Institute of Social Sciences(TISS), Mumbai.

- **Dr. M.Vinay,** Associate Professor, Department of Computer Science, School of Sciences, Christ University, Bangalore.

- **Dr. Biju K,** Associate Professor, Central University of Tamil Nadu, Thiruvarur.

- **Dr. Thiyagu Suriya,** Teacher Educator, Assistant Professor, Department of Education, Central University of Kerala, Kasaragod, Kerala.

REGISTRATION

REGISTRATION LINK :
https://forms.gle/nhNKH65XTdgmbyRZ6

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 : **6010310202**

IFSC Code : **IDIB000A005**

SWIFT Code : **IDIBINBBCBE**

Scan here to register yourself

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 COORDINATORS

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REACH US AT

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