

Focus Areas

- Human Factors in Software Design
- Usability Engineering Overview
- Interaction Design – Famous Laws
- Interaction Design Paradigm
- Interface Design Rules and Heuristics
- Web Usability Guidelines
- Gestalt's theory in Interaction Design
- Form/Navigation/Menu Design
- UX – User Experience Design
- Usability in Mobile Apps
- Usability Evaluation
- User Support Systems
- Usability case studies from Nielsen Norman Group Website

Practice sessions will be conducted to test drive the above techniques in Unity and other open source tools for ID.

Registration

The workshop sponsored by Accelerate Vigyan Scheme of SERB (KARYASHALA) scheme - there would be no registration fees. Interested may register at institute website. Boarding & Lodging will be arranged by the Institute. Only Full Time Ph.D or PG students can register @ given link on or before **4.7.22:** <https://forms.gle/6mz5HCccTNbuGnFp8>

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About the Workshop

The workshop is focused in the areas of Interface Design, Human Computer Interaction and Usability Engineering. Usability of products in general and more so of software make or break the success of it. The prevailing trend is to address and accommodate cognitive science in the process of software design and development as opposed to focusing only on creating User Friendly version. Usability engineering is an emerging trend in HCI design that addresses cognitive aspects such as mental model, digit span, primality, etc. in the process of software design. The workshop would expose the audience to other related topics such as Universal Design, Interface Design Heuristics, User Support Systems etc. Concepts discussed in the lecture sessions would be practiced as part of the lab sessions which would also expose the audience to emerging tools for interface design such as Unity, etc. In all the workshop would focus on Software Engineering as a Design Process with the user in mind always!

EVENT ORGANIZER

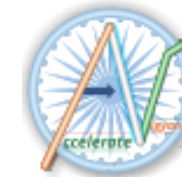
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ACCELERATE
vigyan

organizes a 7 day Workshop on

**Designing Human Centered Software
(DHCS 22) sponsored by SERB
Accelerate Vigyan**

Jul 11 to 17, 2022

IIITDM Kancheepuram, a centrally funded institute offers UG and PG programs in computer, electronics and mechanical engineering with the mandate of excelling in IT and IT enabled Design & Manufacturing pedagogy and research. B.Tech, M.Tech, Dual Degree courses specializing in VLSI, Systems Design, etc. and Ph.D programmes in core areas of engineering are offered by us. Curricula for these programmes augment engineering domain with relevant design & manufacturing skills. More details at www.iiitdm.ac.in



Indian Institute of Information Technology, Design & Manufacturing (IIITDM) Kancheepuram,

Department of Computer Science & Engineering

Workshop on Designing Human Centered Software – DHCS 2022 (11th to 17th July 2022)

Date	Session 1(10 AM-11.30AM)		Session 2(11.45AM- 1.15PM)		Session 3 (2.30 -4.30PM) (break in between)
11/7/2022	Usability Engineering –Introduction Dr B Sivaselvan, IIITDM Kancheepuram	T E A M R E A K	Human Factors in Software Design Prof Pradeep Y, IIT Guwahati	L U N C H B R E A K	Design Laws in Human Computer Interaction Aparajith & B Sivaselvan IIITDM
12/7/2022	Web Usability Guidelines – R Harini, CMU		Interaction Design Paradigm Arul Lakshmi, AMD		Interface Design Rules & Heuristics Dr B Sivaselvan, IIITDM
13/7/2022	Intelligent Interactive Design Madhumitha, Georgia Tech		Gestalt Theory in Interaction Design Dr B Sivaselvan, IIITDM		Practice Session on design strength/flaws in apps , Fitts Law, Primality, etc. Vaibhav Singhal, KLA Software
14/7/2022	Shapes and Color Psychology Venkata Ramanan, Zoom India		Universal Design Principles Pranav P Ericsson India		Practice Session related to Interface Design & Universal Design Principles – Pranav P, Kenneth & Team IIITDM
15/7/2022	User Experience Design N Kausik, Panav P and Team		User Support Systems Venkataramanan Zoom India		Case Study Briefings on Real Life Scenario based Application Development – First Major Practice Session (Exposure to Development Platforms such as Figma, Protopie etc.) B Sivaselvan and Team
16/7/2022	AI & Design Thinking Session I Eashan Dash, AMD India Pvt Ltd.		Interface Design – Desktop v/s the Mobile Platform, Johnson Kenneth Karthick IIITDM		Practice Sessions on Navigation Design and Designing for Mobile Applications Abhinand, Pranav P and Team.
17/05/22	Design for Wearable Devices Kenneth Karthick, SFU		AI & Design Thinking - HCI Eashan Dash, AMD India Pvt Ltd.		Interaction Design Case Studies of successful products Interactive App Development Session using principles gathered from the workshop

21 Sessions planned in all – Balanced Mix of Theory and Practice Sessions to expose the audience the Design Thinking for Interface Design, includes online experts lecture to accommodate the best minds in respective fields of HCI / Interface Design