



Sandip Institute of Technology and Research Centre

At & Po – Mahirawani, Trimbak Road, Tal & Dist. – Nashik

Phone: (02594) 222552, 53, 54, Fax: (02594) 222555

Website: www.sandipfoundation.org, e-mail: principal@sitrc.org

(Approved by-AICTE, New Delhi, & Govt. of Maharashtra and Permanently Affiliated to Savitribai Phule Pune University (Formerly Pune University), Pune.

Accredited with “A” grade by NAAC With CGPA Score of 3.11



SANDIP
FOUNDATION



Activity Report

Of

Five Days Workshop

On

“HCI and its applications”

(18th September to 22nd September 2023)

Organized by

Department of Information Technology

Sandip Institute of Technology and Research Centre

Name of Program: Five Days Hands on Workshop on “HCI and its applications”

Date: 18th September to 22nd September 2023

Resource Person: Mr. Akshay Sonawane (Free-lancer HCI expert)

Event Co-ordinator: Prof. T.P. Deshmukh (Assistant Professor, SITRC)

Participants: TE Students (I.T. Department)

Venue: Seminar Hall (C Building)

Aim:

The aim of this workshop organized for students is to provide the foundations of the practical implementation and usage of HCI and its applications. This workshop introduces fundamental concepts & recent advances of Human Computer Interaction which in turn help students to apply it in practice and further load the foundation to a deeper study in this area.

Objectives:

- 1) To introduce to the field of human-computer-interaction study.
- 2) To gain an understanding of the human part of human-computer-interactions.
- 3) To learn to do design and evaluate effective human-computer-interactions.
- 4) To study HCI models and theories.
- 5) To understand HCI design processes.
- 6) To apply HCI to real life use cases

The objective of this workshop is to provide opportunity for students to enrich their knowledge in the area of HCI and its applications. This workshop will provide a vibrant opportunity for students in the recruitment phase and to enhance their skills. This course is based on hands-on exercises and is focused on developing Logical skills.

Objective: Day wise

Day 1:	What is HCI?, Disciplines involved in HCI, Why HCI study is important? The psychology of everyday things, Donald A. Norman, Principles of HCI, User-centered Design. Measurable Human factors Input-output channels, Human memory, Human emotions, Individual differences, Psychology. Ergonomics, Human errors, Models of interaction, Paradigms of Interactions, Interaction styles, Interactivity, Context of interaction, User experience
Day 2:	HCI Models And Theories User Profiles, categorization of users, Goal and task hierarchy model, Linguistic model, Physical and device models, GOMS, Norman's 7 stage model, Cognitive architectures, Hierarchical task analysis (HTA), Uses of task analysis, Diagrammatic dialog design notations.
Day 3:	Design Rules : Principles that support usability, Design standards, Design Guidelines, What is interaction design?, The software design process, User focus, Scenarios, Navigation Design, Screen Design, Prototyping techniques, Wire-Framing, Understanding the UI Layer and Its Execution Framework, Model-View-Controller(MVC) Framework
Day 4:	HCI Guidelines And Evaluation Techniques Using toolkits, User interface management system (UIMS), Goals of evaluation, Categorization of Evaluation techniques, Choosing an Evaluation Method. DECIDE, Heuristic Evaluation, cognitive walk through, Usability testing
Day 5:	Future Trends Ubiquitous Computing, Design thinking, Finding things on web, Augmented Reality, Virtual Reality , Challenges in designing interfaces for smart homes, smart devices, handheld devices, smart wristwatch, Future of HCI

Outcomes:

- 1) Explained importance of HCI study and principles of user-centered design (UCD) approach.
- 2) Developed understanding of human factors in HCI design.
- 3) Developed understanding of models, paradigms, and context of interactions.
- 4) Designed effective user-interfaces following a structured and organized UCD process.
- 5) Evaluated usability of a user-interface design.
- 6) Applied cognitive models for predicting human-computer-interaction

Feedback from Students:

In this workshop the students were introduced to topics in HCI. Students got an idea about basic knowledge of HCI and its applications, all the students really appreciated the contents that were discussed, and they realized that interactions like these can help them improve their learning. Students showed keen interest in attending more workshops like this in future.

Event photographs:







5 days Workshop on
"HCI and its applications"

HCI

Organized by - Information Technology department

Date - 18th sept. to 22nd sept. 2023

Time - 10 am to 5 pm

venue - C building seminar hall

Summary report of workshop on “HCI and its applications”

To introduce fundamental and advanced concepts & recent development in HCI and its applications which helps students to apply practically, department of Information Technology Of Sandip Foundation’s Sandip Institute Of Technology & Research Centre has organized a five days technical workshop on “HCI and its applications” from 18th September to 22nd September 2023. This workshop was started with felicitation of Mr. Akshay Sonawane. To attend this, many students from Information Technology department were present.

Name of Student:- Abhishek Aakash Singh

Div:- -

Roll No:- 70

Sr. No	Parameter	Please Mark yours choice in block				
		1	2	3	4	5(Excellent)
1	Punctuality					✓
2	Expertise					✓
3	Clariaty of communication					✓
4	Problem Solving ability					✓
5	Co-ordination					✓
6	Understanding by the student					✓
7	Quality of learing material				✓	
8	Value addition from Course				✓	

Suggesation to Value Added Couce: None

Name of Student:- Aniket Hari Shewale

Div:- —

Roll No:- 68

Sr. No	Parameter	Please Mark yours choice in block				
		1	2	3	4	5(Excellent)
1	Punctuality				✓	
2	Expertise					✓
3	Clariaty of communication					✓
4	Problem Solving ability					✓
5	Co-ordination				✓	
6	Understanding by the student					✓
7	Quality of learing material				✓	
8	Value addition from Course					✓

Suggesation to Value Added Couce: none

**Sandip Foundation's
Sandip Institute of Technology and
Research Technology, Nashik**

NAAC A Accredited

Certificate of Appreciation

This is to certify that,

Abhishek Sinha



has participated and successfully completed Five Days workshop on “**HCI and its applications**” organized by **Department Of Information Technology, SITRC, Nashik**. The duration of programme was from 18th September to 22nd September 2023.

A handwritten signature in blue ink, appearing to read 'A. Gaidhani'.

Prof. Abhay Gaidhani
HOD, IT dept., SITRC

A handwritten signature in blue ink, appearing to read 'M.M. Patil'.

Prof. (Dr.) M.M. Patil
Principal , SITRC, Nashik

Date: 11/09/2023

To,
Mr. Akash Sonawane

Subject – Invitation Letter for 5 days HCI Workshop.

Greetings from Sandip Foundation's Sandip Institute of Technology & Research Centre, Nashik.
We are pleased to invite you as an Expert for the workshop on “HCI and its applications” proposed on 18th Sept. to 22nd Sept. 2023. Please accept the invitation and grace the session with your presence.



Thanks, and Regards,
Prof. Abhay Gaidhani
HOD – Information Technology Department
Sandip Institute of Technology and Research Centre,
Mahiravani, Nashik-422 213

Date: 07/10/2023

To,

Mr. Akash Sonawane

Subject: Letter of Appreciation

Dear Sir,

Thank you very much for delivering on informative and thought provoking lecture as a Guest Speaker on "Five Days Technical workshop on HCI & its applications" field front 18th Sept to 22nd Sept. 2023 at Department of Information Technology, Sandip Institute of Technology and Research Centre, Nashik. It was really a splendid presentation which exposed students to field practices. got benefit. Looking forward for same in future.



Thanks & regards,
Prof. Abhay Gaidhani
HOD - Information Technology Department
Sandip Institute of Technology and Research Centre,
Nashik-422 21 3



Prof. T.P. Deshmukh
(Event co-ordinator)



Prof. A.R. Gaidhani
(Head, Information Technology)



Dr. M. M. Patil
(Principal, SITRC)



