



PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 07-08-2024


CIRCULAR

It is hereby informed to all the Students of II, III, IV B.Tech that Seminar on “**Human Computer Interaction**” will be conducted on 10-08-2024. This event is organized by SPARKWIT club of IT Department. The students who are interested should register their names with class teacher or faculty coordinator.

Time: 11 AM to 12 PM

Link: <https://forms.gle/5CTQaVc3xsT9ugu76>

Mode:Online


FACULTY CO-ORDINATOR





PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY

EVENT BROUCHER



PRAGATI ENGINEERING COLLEGE
[AUTONOMOUS]

SPARK IIT

DEPARTMENT OF INFORMATION TECHNOLOGY
ORGANISES A SEMINAR ON **STUDENT CLUB**

" HUMAN COMPUTER INTERACTION " **MODE: Online**
EVENT REGISTRATIONS ARE OPEN **DATE: 10-8-24**
TIME: 11AM-12 PM

<https://forms.gle/5CTOaVc3xxd9ugU76>

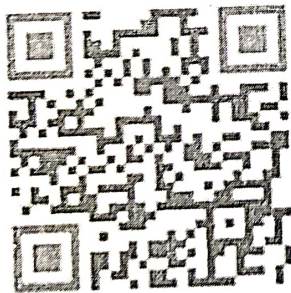
FACULTY COORDINATOR:
Mrs. T. Ganga Bhavani,
Assistant professor, Department of IT

STUDENT COORDINATOR:
Mr. S. Urdhva Sai
Ph.no: 7675801718



Feedback Link: <https://forms.gle/LMMx18VbkqCavGCL8>

QR Code:





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List of students participated:

S.No.	Roll No.	Name of the Student
1	22A31A1248	K SANDEEP KUMAR
2	22A31A1258	M Younis
3	22A31A1262	VEMPATI VIJAY KUMAR REDDY
4	22A31A1259	SV ASHISH
5	22A31A1245	Jonnada Thribhuvan
6	22A31A1248	KIRLAMPALLI.SANDEEP KUMAR
7	22A31A1238	B.Surya Nageswara Rao
8	22A31A1260	S.URDHVA SAI
9	22A31A1261	TADI RAM KIRAN
10	22A31A1254	ODURI K N SURYA PRAKASH
11	22A31A1245	Jada Srikanth
12	22A31A125	UMA PONNADA
13	22A31A1256	REDDY SRIRAM
14	22A31A1228	Vagu Sameera
15	22A31A1209	Godavarthi Ranga Lakshmi Deepika
16	22A31A1215	K.Vinodini
17	22A31A1210	G S V L B SATHWIK
18	22A31A1208	G.Lalitha Raja Sri
19	22A31A1219	N. Vasavi
20	23A35A1202	M PAVITHRA
21	22A31A1220	Reethuka
22	22A31A1240	DUMPALA SUDHEER
23	22A31A1224	S.Yashwitha
24	22A31A1225	T. Sai Madhu Samyuktha
25	22A31A1205	DUNGALA THIRUMALA DEVI
26	22A31A1225	T. Sai Madhu Sanyuktha
27	22A31A1232	VEMULA NAGAMANI
28	22A31A1214	K.Radha
29	23A35A1203	Mallipamu Ramasuresh
30	23A35A1204	Saladi Sandeep
31	22A31A1224	SIYADRI YASHWITHA
32	22A31A1218	Renuka chowdhary
33	22A31A1206	Rama sri devi
34	22A31A1223	Samireddi Adilakshmi
35	22A31A1216	Satya sri
35	22a31a1251	RAKESH KUSUMA
36	22A31A1202	Sanjana



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37	22A31A1266	VITTANALA NITHIN KUMAR
38	22A31A1212	JADA MOUNIKA SRI
39	22A31A1204	Jahnavi
40	22A31A1260	Bandaru Satya Lakshmi Sanjana
41	22A31A1238	B.Surya Nageswara Rao
42	22A31A1207	G.jahanavi
43	2231A1217	Jabeen
44	22a31a4426	Sanjana
45	22a31a1201	pranathi

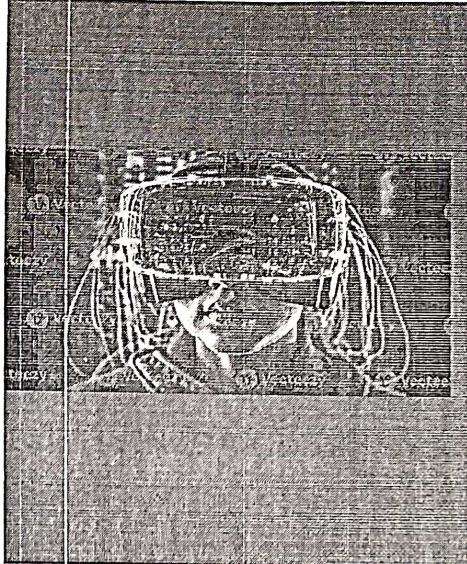


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Seminar :



Emerging Trends in HCI



Virtual Reality (VR)

VR is transforming the way we interact with computers, immersing users in simulated environments. It has applications in gaming, training, and design, offering realistic and engaging experiences.



Artificial Intelligence (AI)

AI is driving advancements in HCI, enabling intelligent agents and personalized experiences. AI-powered systems can learn from user behavior, adapt to individual needs, and provide intelligent recommendations.



Augmented Reality (AR)

AR overlays digital information onto the real world, enhancing our perception of reality. AR applications are being used in various industries, including retail, gaming, and education.

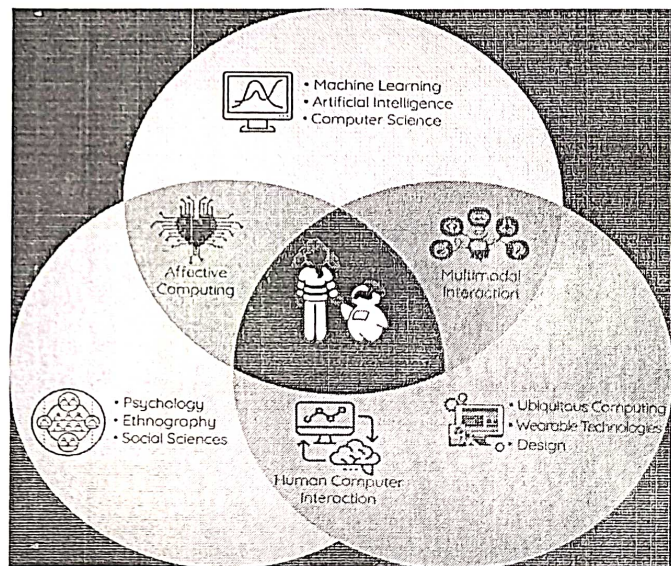


Internet of Things (IoT)

The IoT connects everyday objects to the internet, creating new opportunities for interaction. Smart homes, wearables, and connected vehicles are reshaping the way we live and interact with technology.

Interaction Styles and Modalities

- 1 Command Line Interface
- 2 Graphical User Interface
- 3 Menu-Driven Interfaces
- 4 Touchscreen Interfaces
- 5 Voice-Based Interfaces





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EL Rama Sri devi (Presenting)



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SPARK LIFE

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Kuppalasatya Sri



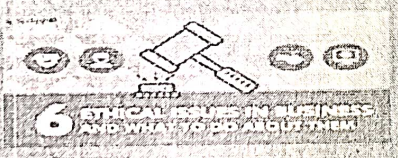
Sri Jan Reddy



Sandeep Kumar




Padmaja Valluri




6 ETHICAL HACKING TECHNIQUES
ANANDAN VADALAKURATHI

Ethical Considerations in HCI


1. **Privacy**
HCI systems often collect user data, raising concerns about privacy. Designers must ensure that user data is collected responsibly, use is transparent, and proper data management occurs.
2. **Access**
All systems should be accessible to users of varying abilities and disabilities. The interface and underlying services should be available to all users.
3. **Accountability**
HCI designers have a responsibility to ensure that their systems are accessible to users with disabilities. The interface and underlying services should be available to all users.
4. **Security**
HCI systems should be secure and protect user data. Designers should implement appropriate security measures to protect user data and privacy.




Kuppalasatya Sri



Nithin Kumar N...



Padmaja Valluri



Urdhva



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Report:

- On 10th August 2024, SparkWIT club of Department of IT, Pragati Engineering college commemorated seminar on "Human Computer Interaction".
- Human-Computer Interaction (HCI) is a multifaceted field that explores the intricate relationship between humans and computers.
- Products designed with UCD are easier to use, leading to higher user satisfaction. Meets User Needs: By focusing on user needs and preferences, the product is more likely to fulfill user expectations.
- There are 4 main principles that affect this: Affordance, consistency, visibility, and Feedback
- The three main types of heuristic evaluation are usability testing, and eye tracking. Together, these methods provide rich qualitative user insights.
- The structure of the tutorial centers around the phases of a design process; the areas of cognition addressed are perception, memory, learning, problem solving, attention.
- This volume contains papers in the thematic area of human-computer interaction, addressing the following major topics: Command Line Interface, Graphical User Interface, Menu-Driven Interfaces, Touchscreen Interfaces, Voice-Based Interfaces.
- Interface gets designed in such a way that meets the user's needs and surpasses the user's expectations, which, in turn, leads to high user engagement and support.
- HCI has evolved to encompass new technologies and trends, such as mobile Artificial Intelligence (AI), Virtual Reality (VR), Internet Of Things(IOT) and Augmented Reality (AR). These technologies have expanded the possibilities for HCI, enabling new forms of interaction and user experiences.
- Ethical considerations of HCI in research are a set of principles that guide your research designs and practices. These principles include privacy, bias, accessibility, security.
- HCI designers will need to stay at the forefront of these developments, ensuring that technology remains human-centered and enhances our lives.



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FEEDBACK COLLECTED FROM STUDENTS

S.No.	Roll No.	Name of the Student	Feedback
1	22A31A1248	K SANDEEP KUMAR	Excellent
2	23A35A1258	M YOUNIS	Good
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Feedback Analysis Report:

We collected feedback from all the students attended for the online session.
Student's feedback on the session is presented below:

FEEDBACK	NO OF STUDENTS
Excellent	28
Good	17
Average	00
Total	45


FACULTY CO-ORDINATOR

