



HUMAN COMPUTER INTERACTION

PROF. K. PONNURANGAM

Dept. of Computer Science and Engineering
IIIT Delhi

TYPE OF COURSE

: Rerun | Elective | UG

COURSE DURATION

: 8 weeks (26 Aug'19 - 18 Oct'19)

EXAM DATE

: 16 Nov 2019

PRE-REQUISITES

: Interest in interfaces, curiosity in fixing interface issues

INDUSTRIES APPLICABLE TO

: Any company which is interested in HCI will be interested in recruiting the students finishing the course.

COURSE OUTLINE :

Why are things so hard to use these days? Why does this thing I just bought work? Why is this web site so hard to use? Why is the phone app so confusing? Why are users not liking my design? Why is my app not getting popular? These are frustrations that we have all faced from systems not designed with people in mind. The question this course will focus on is: how can we design human-centered systems that people find useful and usable? This course is an introduction to designing, prototyping, and evaluating user interfaces. If you can take only one course in Human-Computer Interaction, this is the course for you.

ABOUT INSTRUCTOR :

Ponnurangam Kumaraguru ("PK") Associate Professor, is currently the Hemant Bharat Ram Faculty Research Fellow at the Indraprastha Institute of Information Technology (IIIT), Delhi, India. PK is the Founding Head of Cybersecurity Education and Research Centre (CERC). PK is one of ACM India Eminent Speakers. He received his Ph.D. from the School of Computer Science at Carnegie Mellon University (CMU). His research interests include Usable Security, Privacy, e-Crime, and Online Social Media, in particular, these days he has been dabbling with complex networked systems (e.g. social web systems like Twitter, Facebook, and telephone logs). Government of India has been funding PK for the last 8 years for studying Online Social Media, he manages research projects of about 2 Crores INR. PK has received research funds from Government of India, National Science Foundation (NSF), USA, industry bodies in India, and International funding agencies.

COURSE PLAN :

Week 01 : Components of HCI Types of interfaces; Design process.

Week 02 : Contextual inquiry Importance of users talking to users Task analysis

Week 03 : Sketching Low & hi fidelity prototyping

Week 04 : Mental models

Week 05 : Usability evaluation Think aloud, observing users Modeling users, expert evaluations

Week 06 : Information visualization

Week 07 : HCI & mobility New faces of HCI

Week 08 : Refresher for all modules seen in the course

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10/22H, SINNERIPALAYAM RAMAR KOVIL ROAD
NEGAMAM
CHIMBATORE
TAMIL NADU
642120
PH. NO :8675992483



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL-2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



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This certificate is awarded to
JANANI .S.
for successfully completing the course
Human Computer Interactions

with a consolidated score of **67** %

Online Assignments **23.67/25** Proctored Exam **43.5/75**

Total number of candidates certified in this course: **190**

Dr. Anand Srivastava Ramanathan
Coordinator
Continued Education Program, IITD

Aug-Oct 2019
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



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To
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1/179
KONDEGOUNDENPALAYAM
COIMBATORE
TAMIL NADU
642120
PIN NO :8526683274



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL-2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

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This certificate is awarded to
VINITHA P
for successfully completing the course
Human Computer Interactions

with a consolidated score of **53** %

Online Assignments **23.42/25** Proctored Exam **30/75**

Total number of candidates certified in this course: **190**

Dr. Anand Srivastava Ramanathan
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