INSTITUTION

PROGRAM (S) TO BE EVALUATED FAST-NUCES

BSCS

A. Course Description

Course Code	CS-422
Course Title	Human Computer Interaction
Credit Hours	3
Prerequisites by Course(s) and Topics	N/A
Assessment Instruments with Weights (homework, quizzes, midterms, final, programming assignments, lab work, etc.)	Class Participation to be announced Midterms 25% Project to be announced Final 50%
Course Coordinator	Behraj Khan
URL (if any)	
Current Catalog Description	Introduction to HCI and Interaction Design Basics, HCI in software Process/Usability Engineering, Design Rules, Implementation support, Evaluation Techniques, Universal design, Hierarchical Task Analysis, Universal Design/User Support, Cognitive, Communication & Collaboration Models, Task analysis Groupware and CSCW.
Textbook (or **Laboratory Manual** for Laboratory Courses)	Human Computer Interaction by Alan Dix, Janet E. Finlay, Gregory D. Abowd and Russel Beale
Reference Material	1. The Design of Everyday Things by Donald Norman 2. Internet
Course Goals	• Understand HCI and its objectives • Become familiar with HCI models of the human, the computer and the interaction. • Apply the above in order to formulate design principles leading to usable interfaces • Perform case studies on various systems, websites and softwares to evaluate their interfaces

<table>
<tr><td>Topics Covered in the Course, with Number of Lectures on Each Topic (assume 15-week instruction and one-hour lectures)</td><td>
<table>
<tr><td>1-2</td><td>The human</td></tr>
<tr><td>3</td><td>The computer</td></tr>
<tr><td>4</td><td>The interaction</td></tr>
<tr><td>5</td><td>Paradigms</td></tr>
<tr><td>6</td><td>Interaction design basics</td></tr>
<tr><td>7</td><td>HCI in the software process
Design rules</td></tr>
<tr><td>8</td><td>Implementation support</td></tr>
<tr><td>9</td><td>Evaluation techniques</td></tr>
<tr><td>10</td><td>Universal design
User support</td></tr>
<tr><td>11</td><td>Cognitive models
Socio-organizational issues and stakeholder requirements</td></tr>
<tr><td>12</td><td>Communication and collaboration models
Task analysis</td></tr>
<tr><td>13</td><td>Dialogue notations and design</td></tr>
<tr><td>14</td><td>Models of the system
Modeling rich interaction</td></tr>
<tr><td>15</td><td>Groupware</td></tr>
<tr><td>16</td><td>Ubiquitous computing and augmented realities
Hypertext, multimedia, and the world wide web</td></tr>
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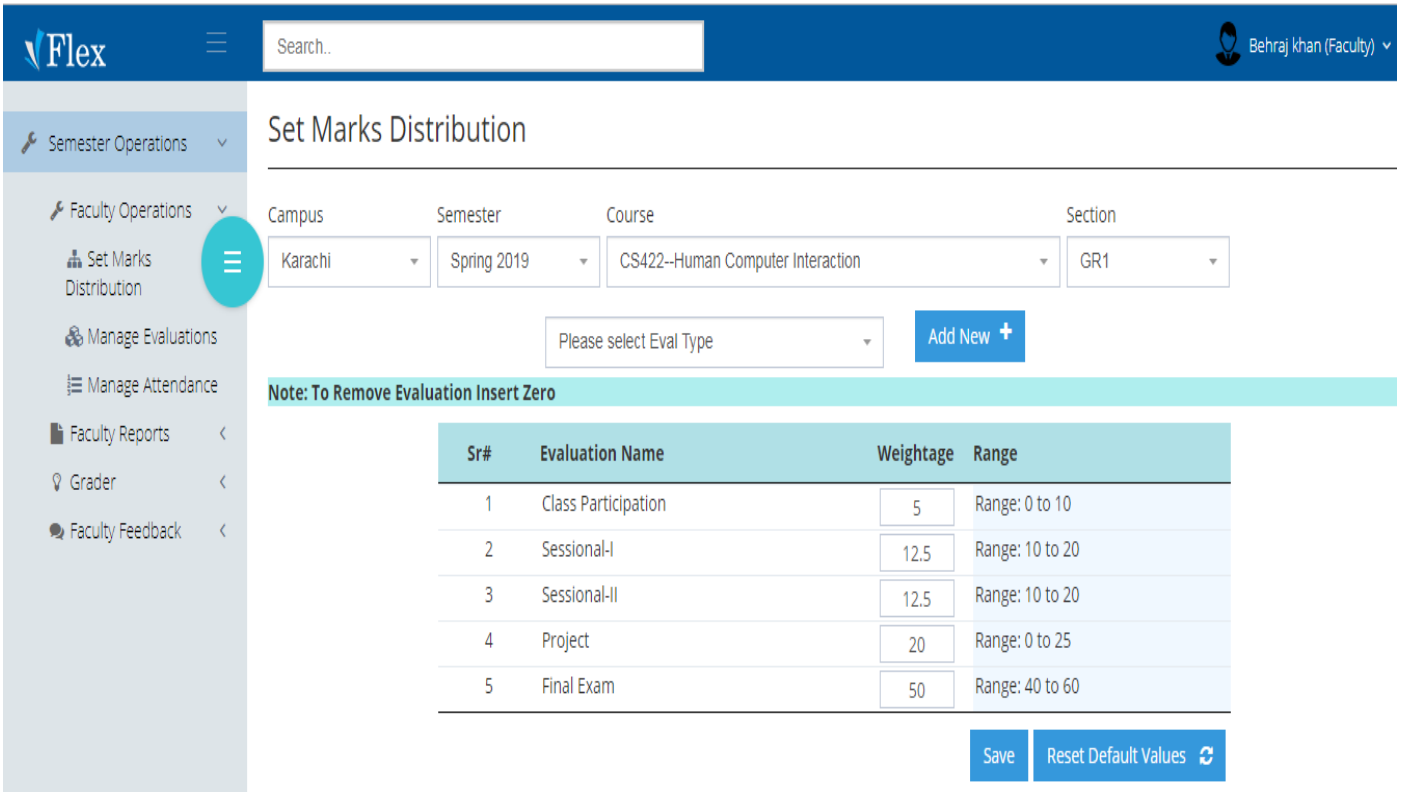
<tr><td>Laboratory Projects/Experiments Done in the Course</td><td></td></tr>
<tr><td>Programming Assignments Done in the Course</td><td>1. Creating a paper prototype of a distance learning solution where human availability is not possible.
2. Creating a web based text edit solution where admin can specify the formatting for a document. User text will automatically be formatted accordingly.</td></tr>
<tr><td>Class Time Spent on (in credit hours)</td><td>
<table>
<tr><th>Theory</th><th>Problem Analysis</th><th>Solution Design</th><th>Social and Ethical Issues</th></tr>
<tr><td>70</td><td>10</td><td>10</td><td>10</td></tr>
</table>
</td></tr>
<tr><td>Oral and Written Communications</td><td>Every student is required to submit at least ___1__ written reports of typically __20___ pages and to make __1___ oral presentations of typically ___20__ minute’s duration. Include only material that is graded for grammar, spelling, style, and so forth, as well as for technical content, completeness, and accuracy.</td></tr>
</table>

Instructor Name Mr. Behraj Khan

Instructor Signature _____

Date _____


Flex
Search..
Behraj khan (Faculty)
Semester Operations
Faculty Operations
Set Marks Distribution
Manage Evaluations
Manage Attendance
Faculty Reports
Grader
Faculty Feedback
Set Marks Distribution
Campus
Karachi
Semester
Spring 2019
Course
CS422--Human Computer Interaction
Section
GR1
Please select Eval Type
Add New
Note: To Remove Evaluation Insert Zero
Sr# Evaluation Name Weightage Range
1 Class Participation 5 Range: 0 to 10
2 Sessional-I 12.5 Range: 10 to 20
3 Sessional-II 12.5 Range: 10 to 20
4 Project 20 Range: 0 to 25
5 Final Exam 50 Range: 40 to 60
Save
Reset Default Values