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**Self Assessment Report**  
**University Institute of Information Technology**  
**MCS Degree Program**  
**July, 2012-2014**

**Self Assessment Report**

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Mrs. Sarfraz Bibi

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## **Introduction**

Computers have been allotted an integral role to play and are changing the way lives are lived. They can be seen being used in all kinds of sectors and businesses. Keeping in view the above University Institute of Information Technology (UIIT) was established in 2001 to address this terrible need. Although computers are bringing the evolution of technology, it cannot be denied that there are areas where the impacts of the computer system are not fully recognized yet. The market needs committed professionals in IT and computer science. In developing countries like Pakistan, the use of computers will bring change in a big and astonishing way. It will lead to optimism, efficiency, productivity and high quality. UIIT is producing CS/IT graduates who are well versed to provide IT based solutions to the problems for all the sectors in general and for Agriculture sector in particular.

Master of Computer Science (MCS) is a two years degree offered on-campus as a full-time non-thesis (no research) program, this includes 66 credit hours of course work and 6 credit hours of final software development project. This is a professional degree for students having fourteen years of education who intend to pursue a technical career in the computer industry. MCS degree program is designed in a way that provides up-to-date technical knowledge; marketable skills, professional competencies and valuable expertise in the rapidly advancing field of Information Technology to ensure a prosperous future. The degree comprises of a set of core courses, science courses, general education & supportive courses.

The course contents is regularly revised and updated with the latest developments in the field of Computer Science and Information Technology. The recently emerging tools and technologies have been included in the syllabus. The institute provides a variety of study programs such as Databases, Programming, Web Design and Development, Networking, to enhance student's professional training and career opportunities. It holds national seminars to exchange knowledge and information.

## CRITERION 1: PROGRAM MISSION, OBJECTIVES AND OUTCOMES

The self assessment is based on a number of criteria. To meet each criterion several standards must be satisfied. This section describes how the standards of the Criterion are met.

### **Standard 1-1: The program must have documented measurable objectives that support institution mission statements.**

#### **Mission Statement:**

The mission of MCS program is to equip the students with the essential knowledge and abilities necessary for specializing in computer science. Graduates of the program will take appropriate professional positions in industry and organizations, or pursue higher education and research in related disciplines.

#### **The main elements of strategic planning to achieve mission and objectives**

The main elements which are present in the plan to achieve the mission and objective are listed below:

1. Development of a sound and a dynamic teaching system based on the experience and vision gathered from world reviews, literature, innovations, proceedings, symposia etc. for the award of degrees.
2. Designing and constantly updating the curricula involving core subjects, elective subjects, specialized areas, internship programs and study tours.
3. Setting up of well equipped specialized laboratories depending on the available resources.
4. Implementation of research projects funded by the universities and other agencies.
5. Development of linkages with national and international research organizations to foster research.
6. The assessment of program objectives through different criteria is presented in Table 1

**Table 1 Programs Objectives Assessment**

S	Objective	How Measured	When	Improvement	Improvement
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#			Measured	Identified	Made
1	Development of a sound and a dynamic teaching system	Through quizzes, assignments and exams	It is a regular process as per requisite	Latest courses should be introduced in the curriculum	Students have an idea of theoretical and computer system concepts.
2	Designing and updating the curricula	Courses related to the field are introduced	It is a continuous process and especially before the starts of the project.	Specialized courses are recommended.	Topics of specialization of certain concepts are included in an outline of the course.
3	Well equipped specialized laboratories	Projects are given during the semester in a team.	During the semester and during the final year project.	Students need to learn to work at different levels in the team.	Work assigns to students in a team and also to complete work in time by each team member effectively.
4	Implementation of research projects	Quizzes, exams, presentations	It's a continuous process.	To make Presentations and reports	Presentations, seminars, communication skills development

5	Linkage with national and international research organizations	Asking students to produce new ideas to apply existing technologies.	Continuous activity	Classical courses in addition to latest technologies should be introduced	Course outline updated for development related courses.
6	Assessment of program objectives	During the last year of degree program.	Asking students to prepare the research survey/review related to a particular field.	Latest topics should be included in specialized courses.	The course outlines are updated to accommodate the latest concepts.

### Program Learning Outcomes

At the successful completion of MCS degree, the students will be equipped with the following

1. Have a theoretical knowledge and competence in the fundamental areas of Computer Science
2. Has a breadth of knowledge in a choice of application areas in Computer Science, including databases, algorithms and computability, networks, artificial intelligence, graphics, information security.
3. Be able to design and develop software systems, computer systems and algorithm approaches
4. Be able to communicate effectively with a range of audiences; shall demonstrate effective oral and written communication skills while disseminating technical information about computing technology and its applications.
5. Be able to analyze a problem and define the computing requirements appropriate to its solution.
6. Produce research artifacts such as papers, thesis prototype systems, integrating the knowledge obtained throughout the program.

**Standard 1-2: The program must have documented outcomes for graduating students. It must be documented that the outcomes support the program objectives and that graduating students are capable of performing these outcomes.**

**Table 2 Program Outcomes and Their Relationship with Objectives**

		Objectives					
		1	2	3	4	5	6
Outcomes	1	+++	++	+++	++	++	++
	2	++	+++	+++	+	+++	++
	3	++	+	++	++	+++	++
	4	++	++	++	+++	+	++
	5	++	++	+++	+++	++=	++
	6	++	++	++	++	++	+++

+ = Moderately Satisfactory

++ = Satisfactory

+++ = Highly Satisfactory

## Program Assessment Results

This section contains the Teacher Assessment and Student Course Evaluation in summarizing form.

### Teacher Evaluation

There are ten faculty members in the institute, but not all of them are involved in teaching courses in MCS program. The teachers who teach courses in the MCS degree program, their summarized result is given in the graph below. Mr. Mushad Gillani has scored 96%, Mr. Asif Nawaz has scored 88%, Mr. Saleem Iqbal scored 94%, Dr. Faraz has scored 88%, Ms. Sarfraz Bibi has scored 88%, Mr. Nasir Minhas has scored 83%, Mr. Hajra Murtaza has scored 71%, Mr. Shabir Hassan has scored 64% and Mr. Jafar Saqlain has scored 52% and. The comparison of their score is given below.

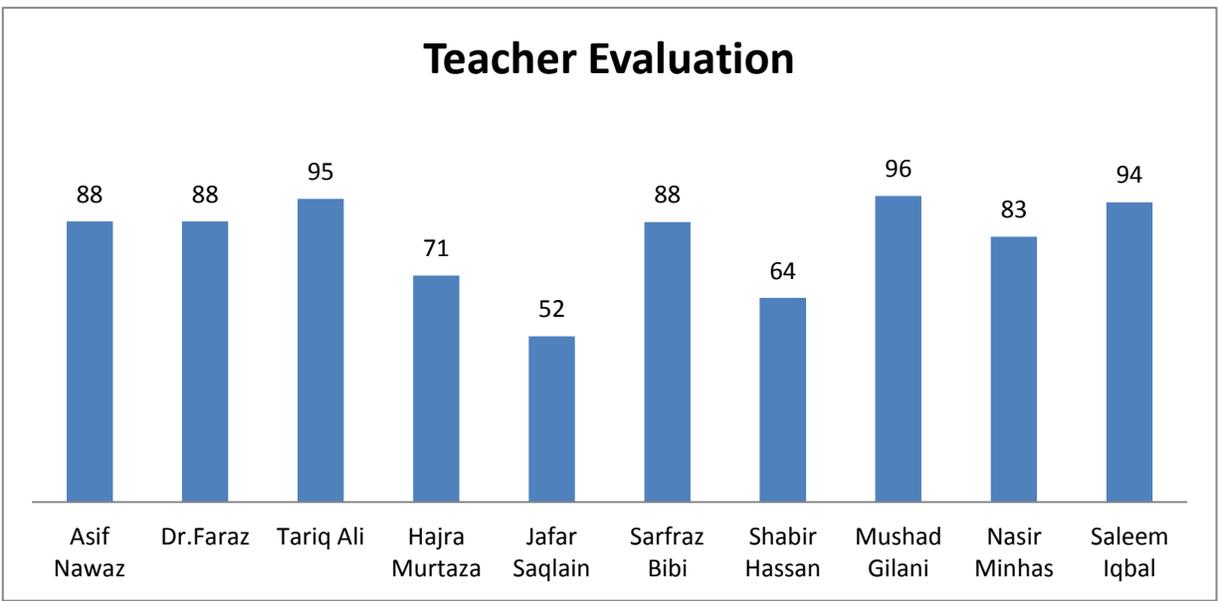
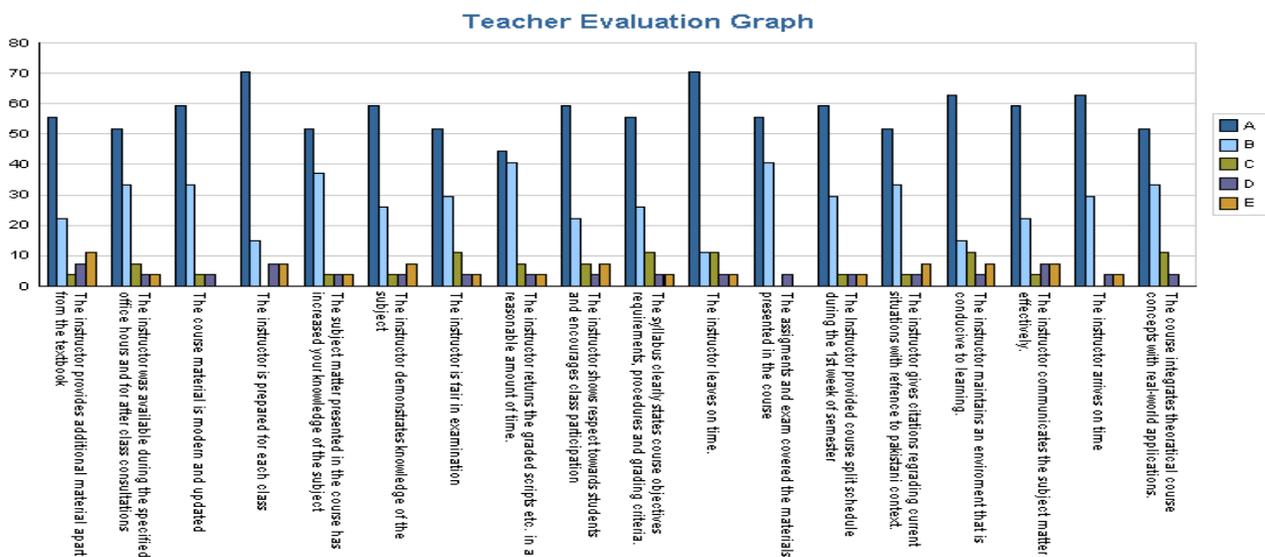


Figure 1: Teacher Evaluation Graph

### Mr. Salman Zafar(CS-723)

The graph shows the detail of evaluation. The graph for “The Instructor provided course split schedule during the 1st week of semester”, shows that 59% are strongly agreed, 13% are agreed, 4% are uncertain, 4% are Disagreed and 3% are strongly disagreed. The graph for “The

course integrates theoretical course concepts with real-world applications’’, shows that 52% are strongly agreed, 33% are agreed, 11% are uncertain, 4% are Disagreed and 0% are strongly disagreed. The graph for ‘‘The instructor demonstrates knowledge of the subject’’, shows that 59% are strongly agreed, 26% are agreed, 4% are uncertain, 4% are Disagreed and 7% are strongly disagreed’. The graph for ‘‘The instructor maintains an environment that is conducive to learning ’’, shows that 63% are strongly agreed, 15% are agreed, 11% are uncertain, 4% are Disagreed and 7% are strongly disagreed. The graph for ‘‘The instructor was available during the specified office hours and for after class consultations’’, shows that 52% are strongly agreed, 33% are agreed, 7% are uncertain, 4% are Disagreed and 4% are strongly disagreed.



### General Comments of the Students about this Course Strengths:

- Well delivered
- Punctual

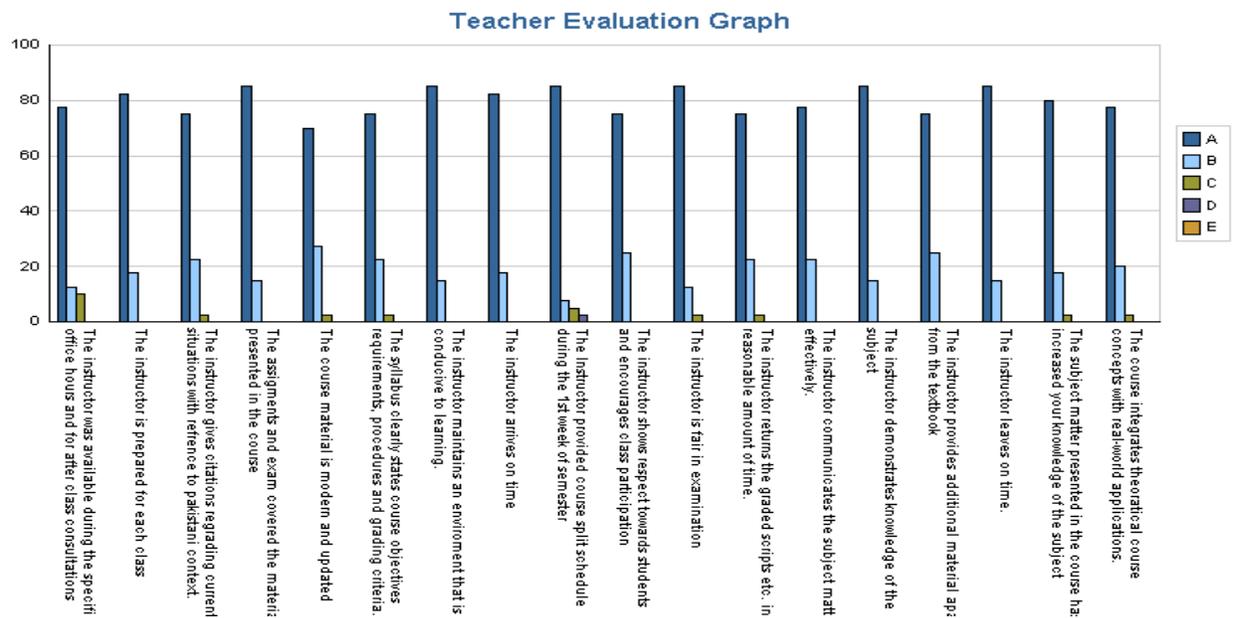
### Weaknesses:

- The course should include modern knowledge and techniques.
- The demonstration should be more effective

### Mr. Atif Bilal (MGT-771)

The graph shows the detail of evaluation. The graph for ‘‘The Instructor provided course split schedule during the 1st week of semester’’, shows that 85% are strongly agreed, 8% are agreed, 5% are uncertain, 2% are Disagreed and 0% are strongly disagreed. The graph for ‘‘The course integrates theoretical course concepts with real-world applications’’, shows that 78% are

strongly agreed, 20% are agreed, 2% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The instructor demonstrates knowledge of the subject’, shows that 85% are strongly agreed, 15% are agreed, 0% are uncertain, 0% are Disagreed and 0% are strongly disagreed’. The graph for “The instructor maintains an environment that is conducive to learning ’’, shows that 85% are strongly agreed, 15% are agreed, 0% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The instructor was available during the specified office hours and for after class consultations’’, shows that 78% are strongly agreed, 12% are agreed, 10% are uncertain, 0% are Disagreed and 0% are strongly disagreed.



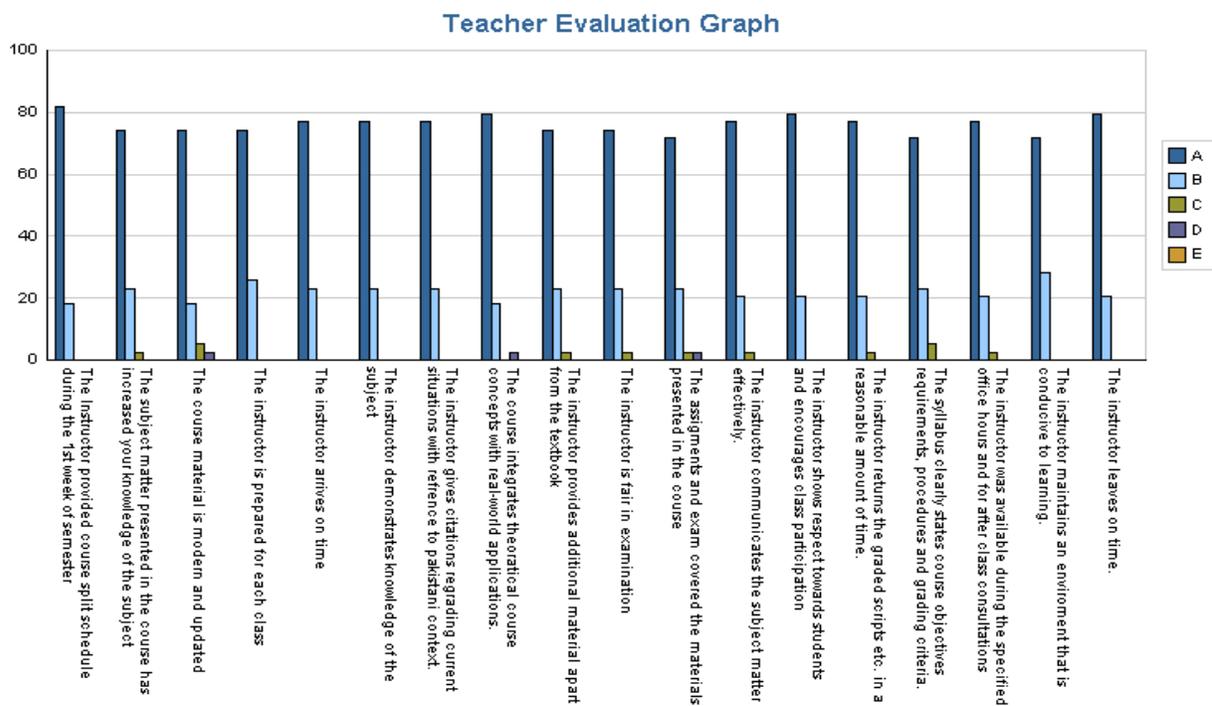
### General Comments of the Students about this Course Strengths:

- Punctual in class and fair in examination
- Well prepared and Good communication

### Mr.Saqib Saleem (ENG-705)

The graph shows the detail of evaluation. The graph for “The Instructor provided course split schedule during the 1st week of semester’’, shows that 82% are strongly agreed, 18% are agreed, 0% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The course integrates theoretical course concepts with real-world applications’’, shows that 79% are

strongly agreed, 18% are agreed, 0% are uncertain, 3% are Disagreed and 0% are strongly disagreed. The graph for “The instructor demonstrates knowledge of the subject’, shows that 77% are strongly agreed, 23% are agreed, 0% are uncertain, 0% are Disagreed and 0% are strongly disagreed’. The graph for “The instructor maintains an environment that is conducive to learning ’’, shows that 72% are strongly agreed, 28% are agreed, 0% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The instructor was available during the specified office hours and for after class consultations’’, shows that 77% are strongly agreed, 20% are agreed, 3% are uncertain, 0% are Disagreed and 0% are strongly disagreed.



## General Comments of the Students about this Course

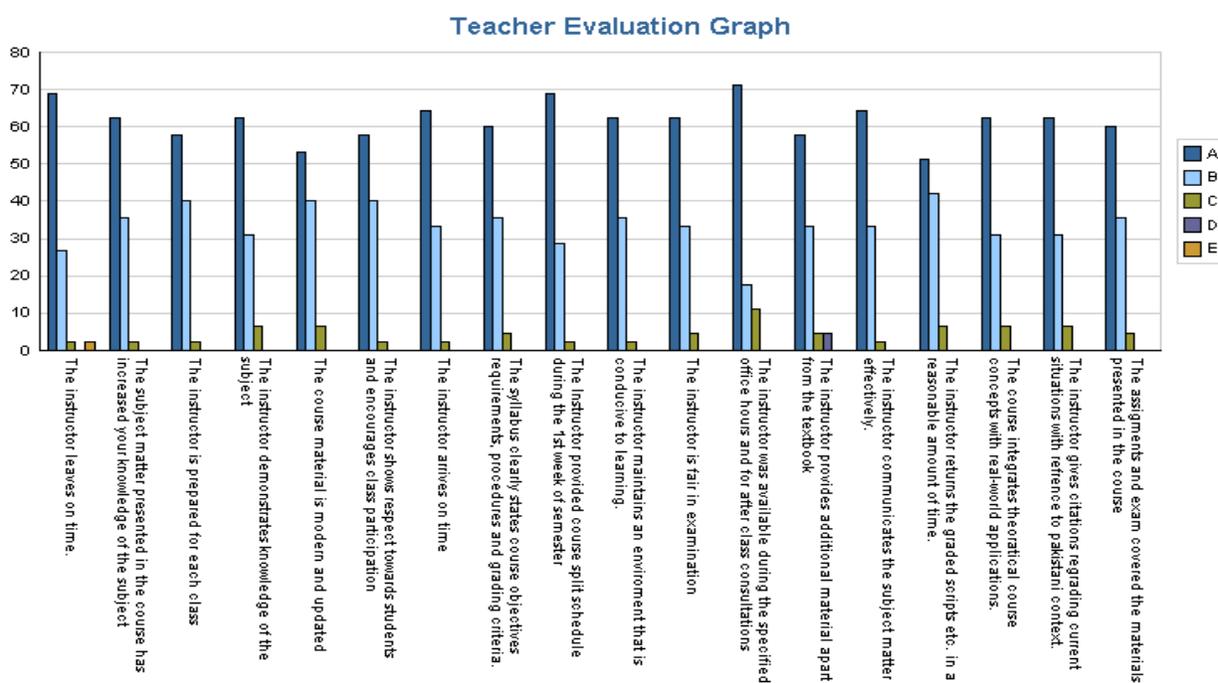
### Strengths:

- Well prepared for each class and completed the course on time
- Good Course objectives

### Mr. Tariq Ali (CS-704)

The graph shows the detail of evaluation. The graph for “The Instructor provided course split schedule during the 1st week of semester’’, shows that 69% are strongly agreed, 29% are agreed, 2% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The course integrates theoretical course concepts with real-world applications’’, shows that 62% are

strongly agreed, 31% are agreed, 7% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The instructor demonstrates knowledge of the subject’, shows that 62% are strongly agreed, 31% are agreed, 7% are uncertain, 0% are Disagreed and 0% are strongly disagreed’. The graph for “The instructor maintains an environment that is conducive to learning ’’, shows that 62% are strongly agreed, 36% are agreed, 2% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The instructor was available during the specified office hours and for after class consultations’’, shows that 71% are strongly agreed, 18% are agreed, 11% are uncertain, 0% are Disagreed and 0% are strongly disagreed.



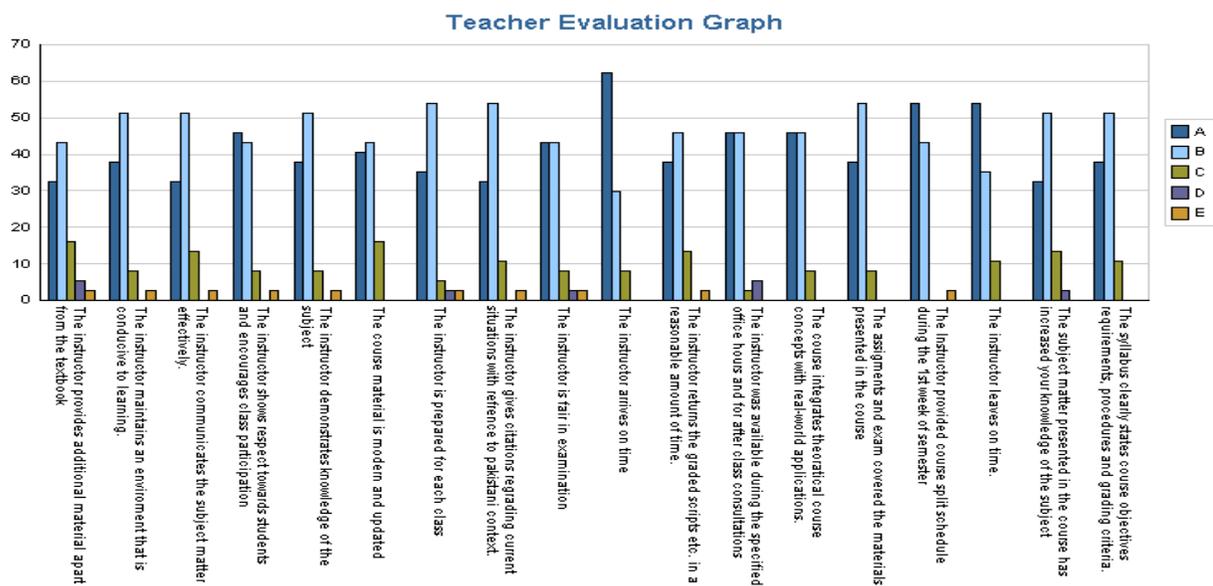
### General Comments of the Students about this Course Strengths:

- Proper materials for practical were available.
- . Punctual
- Good Teaching method

### Ms.Sarfraz Bibi (CS-724)

The graph shows the detail of evaluation. The graph for “The Instructor provided course split schedule during the 1st week of semester’’, shows that 54% are strongly agreed, 43% are agreed, 0% are uncertain, 0% are Disagreed and 3% are strongly disagreed. The graph for “The

course integrates theoretical course concepts with real-world applications’’, shows that 46% are strongly agreed, 46% are agreed, 8% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for ‘‘The instructor demonstrates knowledge of the subject’’, shows that 38% are strongly agreed, 51% are agreed, 8% are uncertain, 0% are Disagreed and 3% are strongly disagreed’. The graph for ‘‘The instructor maintains an environment that is conducive to learning ’’, shows that 38% are strongly agreed, 51% are agreed, 8% are uncertain, 0% are Disagreed and 3% are strongly disagreed. The graph for ‘‘The instructor was available during the specified office hours and for after class consultations’’, shows that 46% are strongly agreed, 46% are agreed, 3% are uncertain, 5% are Disagreed and 0% are strongly disagreed.



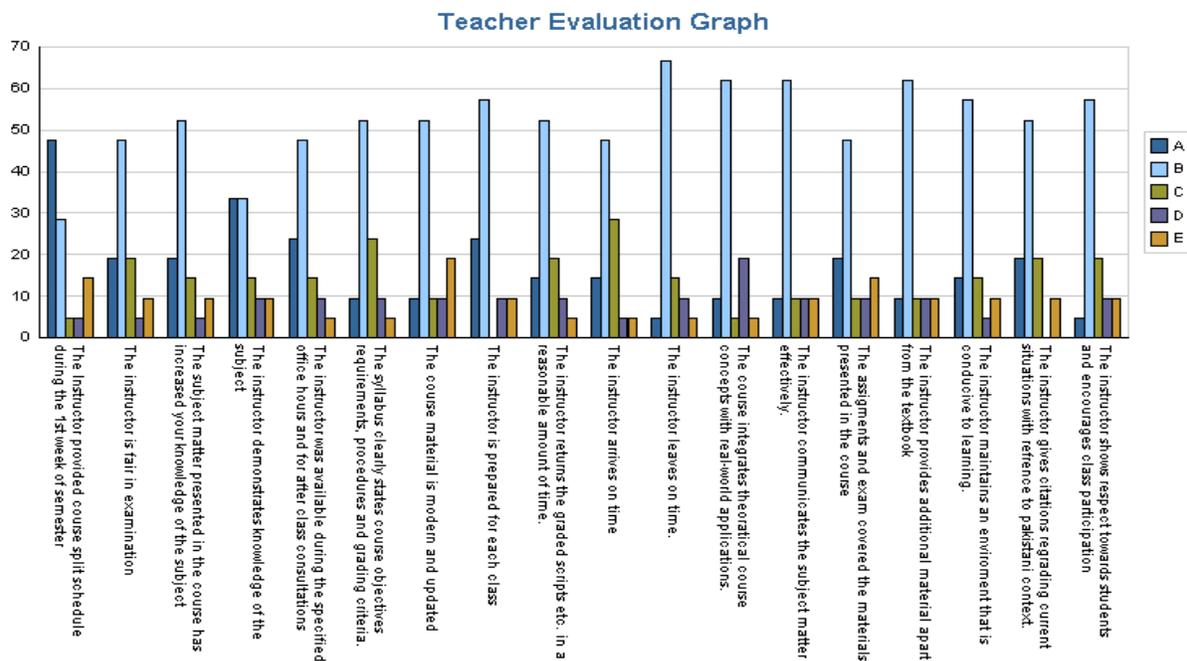
### General Comments of the Students about this Course Strengths:

- Well presented for each class and completed the course on time
- Punctual
- The course should be stimulated by interest and thought on subject area.

### Mr. Nasir Minhas (CS-784)

The graph shows the detail of evaluation. The graph for ‘‘The Instructor provided course split schedule during the 1st week of semester’’, shows that 59% are strongly agreed, 26% are agreed, 9% are uncertain, 3% are Disagreed and 3% are strongly disagreed. The graph for ‘‘The course integrates theoretical course concepts with real-world applications’’, shows that 41% are

strongly agreed, 44% are agreed, 6% are uncertain, 6% are Disagreed and 3% are strongly disagreed. The graph for “The instructor demonstrates knowledge of the subject’, shows that 59% are strongly agreed, 24% are agreed, 12% are uncertain, 3% are Disagreed and 3% are strongly disagreed’. The graph for “The instructor maintains an environment that is conducive to learning ’’, shows that 50% are strongly agreed, 32% are agreed, 12% are uncertain, 3% are Disagreed and 3% are strongly disagreed. The graph for “The instructor was available during the specified office hours and for after class consultations’’, shows that 50% are strongly agreed, 35% are agreed, 6% are uncertain, 3% are Disagreed and 6% are strongly disagreed.



### General Comments of the Students about this Course Strengths:

- Proper materials for practical were available.
- Well prepared for each class and completed the course on time.

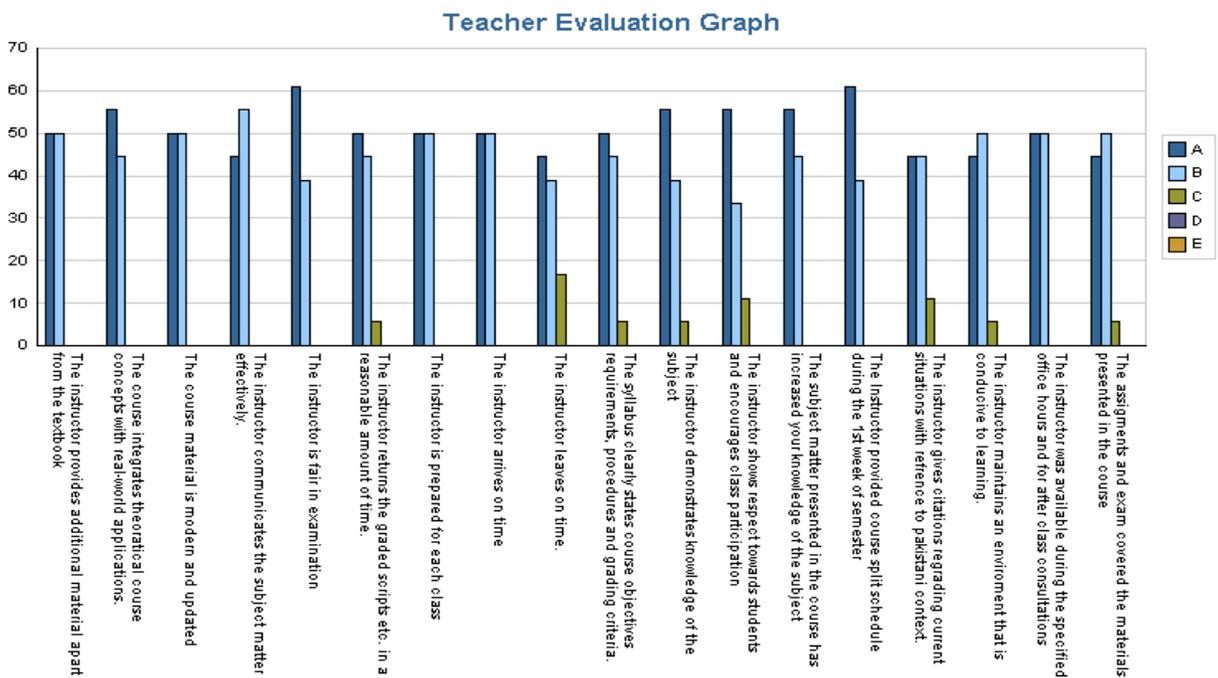
### Weaknesses:

- The course should include modern knowledge and techniques.

### Mr. Sheeraz Mughal (CS-798)

The graph shows the detail of evaluation. The graph for “The Instructor provided course split schedule during the 1st week of semester’’, shows that 61% are strongly agreed, 39% are agreed, 0% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The course integrates theoretical course concepts with real-world applications’’, shows that 56% are

strongly agreed, 44% are agreed, 0% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The instructor demonstrates knowledge of the subject”, shows that 56% are strongly agreed, 39% are agreed, 6% are uncertain, 0% are Disagreed and 0% are strongly disagreed’. The graph for “The instructor maintains an environment that is conducive to learning ”, shows that 44% are strongly agreed, 50% are agreed, 6% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The instructor was available during the specified office hours and for after class consultations”, shows that 50% are strongly agreed, 50% are agreed, 0% are uncertain, 0% are Disagreed and 0% are strongly disagreed.



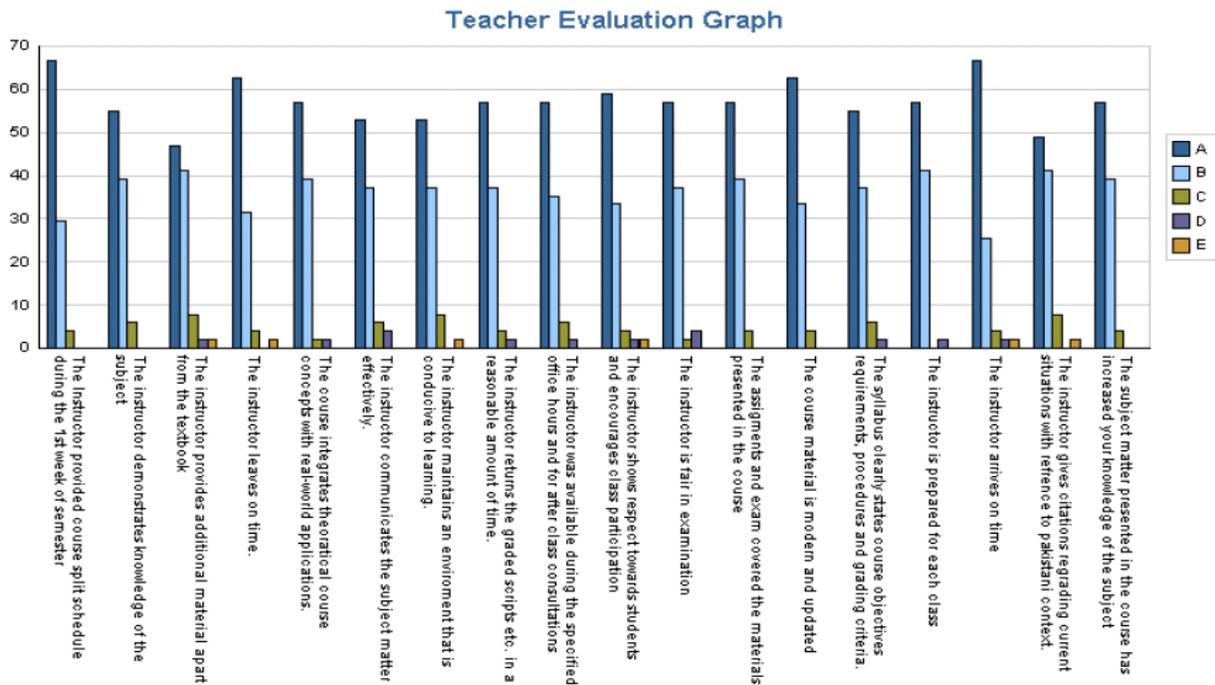
### General Comments of the Students about this Course Strengths:

- The demonstration Knowledge is effective
- The course includes modern knowledge and techniques.
- Fair in examinations

### Mr. Saleem Iqbal (CS-771)

The graph for “The instructor is prepared for each class”, shows that 57% are strongly agreed, 41% are agreed and 2% are strongly disagreed. The Instructor provides additional material apart from text”, shows that 47% are strongly agreed, 42% are agreed, 7% are uncertain,

2% are Disagreed and 2% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.”, shows that 53% are strongly agreed, 38% are agreed, 7% are uncertain and 2% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 58% are strongly agreed and 39% are agreed. The graph for “Exam covered the material presented in the Course” shows that 58% are strongly agreed, 39% are agreed and 3% are uncertain.



### **General Comments of the Students about the Teacher Strength:**

- Punctual
- Course Material was up-to-date.

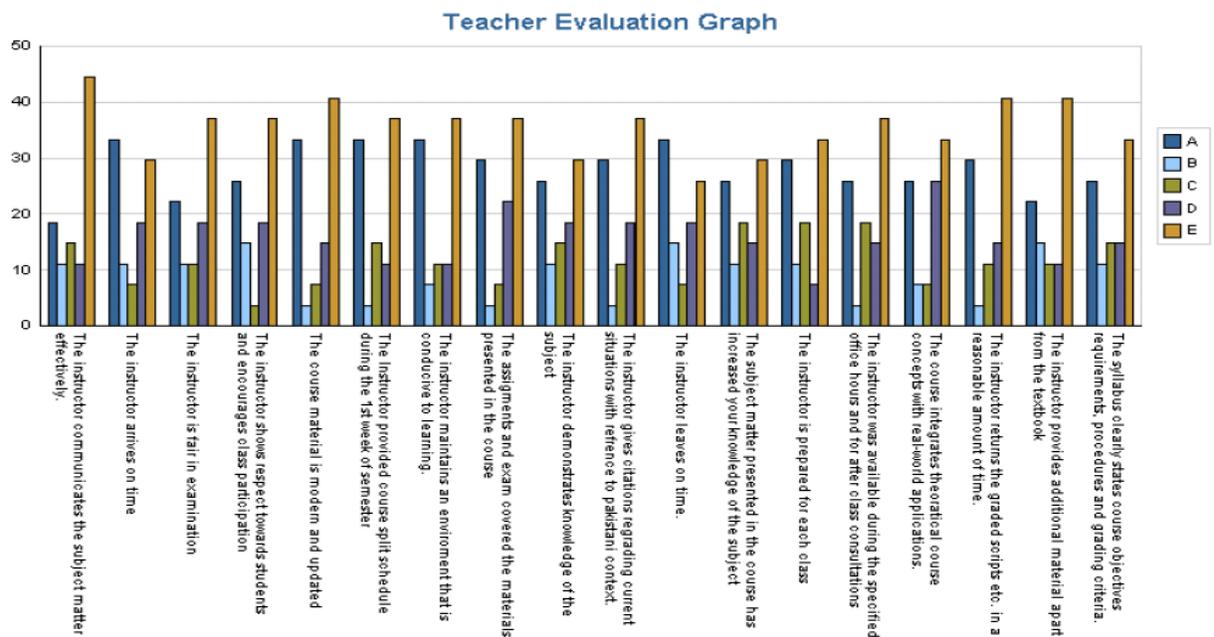
### **Weakness:**

- Citations regarding current situation of Pakistan.

### **Mr. Hamid Hussain (CS-793)**

The graph for “The instructor is prepared for each class”, shows that 30% are strongly agreed, 11% are agreed, 17% are uncertain, 8% are Disagreed and 34% are strongly disagreed. The Instructor provides additional material apart from text”, shows that 22% are strongly agreed, 14% are agreed, 12% are uncertain, 12% are Disagreed and 40% are strongly disagreed. The

graph for “The Instructor maintains an environment that is conducive to learning.”, shows that 34% are strongly agreed, 7% are agreed, 11 are uncertain, 11 are Disagreed and 37% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 26% are strongly agreed, 11% are agreed, 17% are uncertain, 16% are Disagreed and 30% are strongly disagreed. The graph for “Exam covered the material presented in the Course” shows that 30% are strongly agreed, 4% are agreed, 8% are uncertain, 21% are Disagreed and 37% are strongly disagreed.



## General Comments of the Students about the Teacher

### Strength:

- Punctual
- Course Material was up-to-date.

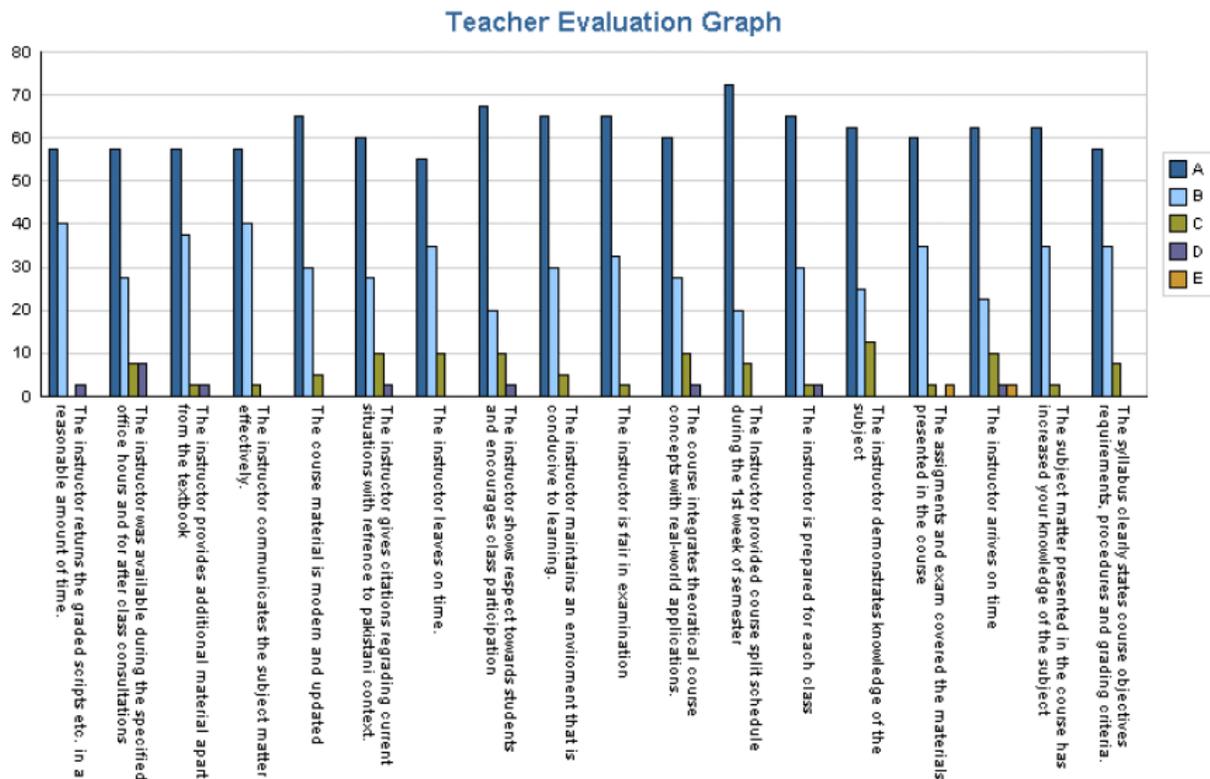
### Weakness:

- Instructor didn't communicate the course material effectively
- Additional material apart from book was not provided.

## Mr. Hamza Rashid (CS-708)

The graph for “The instructor is prepared for each class”, shows that 65% are strongly agreed, 31% are agreed, 2% are uncertain and 2% are Disagreed. The Instructor provides additional material apart from text”, shows that 58% are strongly agreed, 38% are agreed, 2% are uncertain and 2% are Disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.”, shows that 65% are strongly agreed, 30% are agreed and 5% are

uncertain. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 62% are strongly agreed, 35% are agreed and 3% are uncertain. The graph for “Exam covered the material presented in the Course” shows that 60% are strongly agreed, 35% are agreed, 3% are uncertain and 2% are strongly disagreed.



## General Comments of the Students about the Teacher

### Strength:

- Fair in examination
- Course Material was up-to-date.

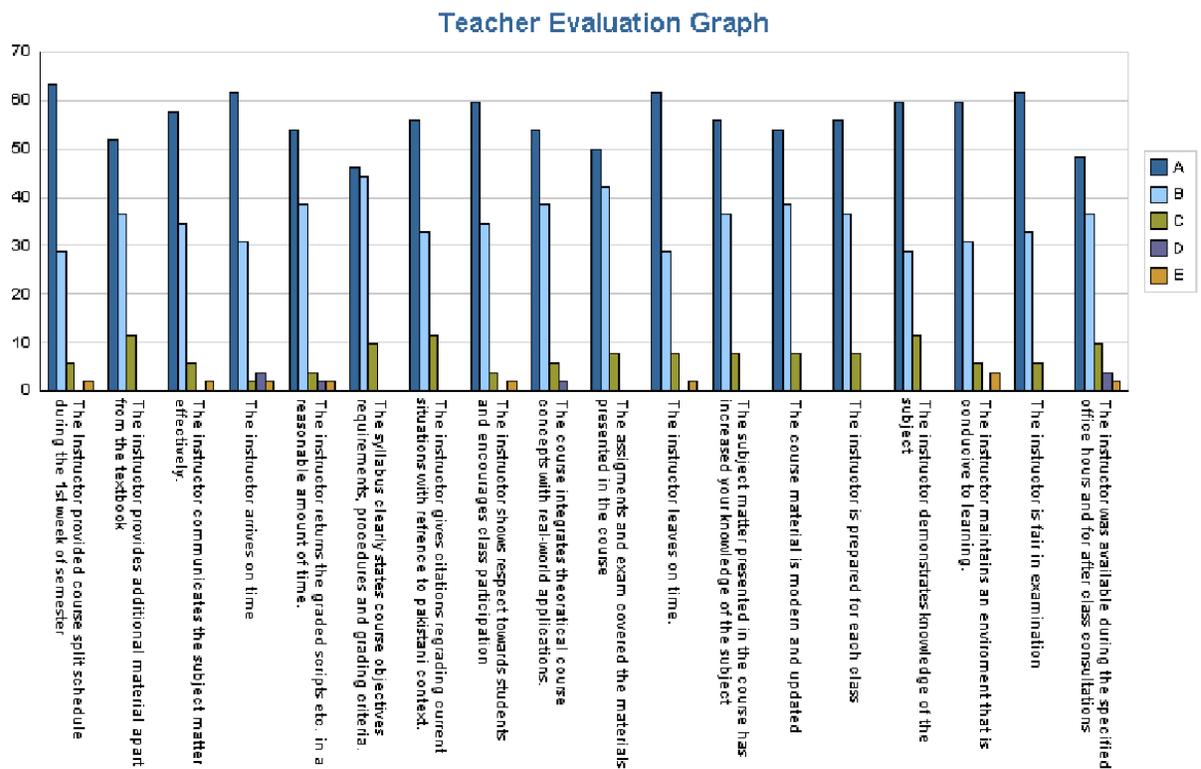
### Weakness:

- Less punctual

## Mr. Muhammad Mubashir (CS-763)

The graph for “The instructor is prepared for each class”, shows that 56% are strongly agreed, 37% are agreed and 7% are uncertain. The Instructor provides additional material apart

from text”, shows that 52% are strongly agreed, 37% are agreed and 11% are uncertain. The graph for “The Instructor maintains an environment that is conducive to learning.”, shows that 60% are strongly agreed, 31% are agreed, 6% are uncertain and 3% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 57% are strongly agreed, 36% are agreed and 7% are uncertain. The graph for “Exam covered the material presented in the Course” shows that 50% are strongly agreed, 43% are agreed and 7% are uncertain.



## General Comments of the Students about the Teacher

### Strength:

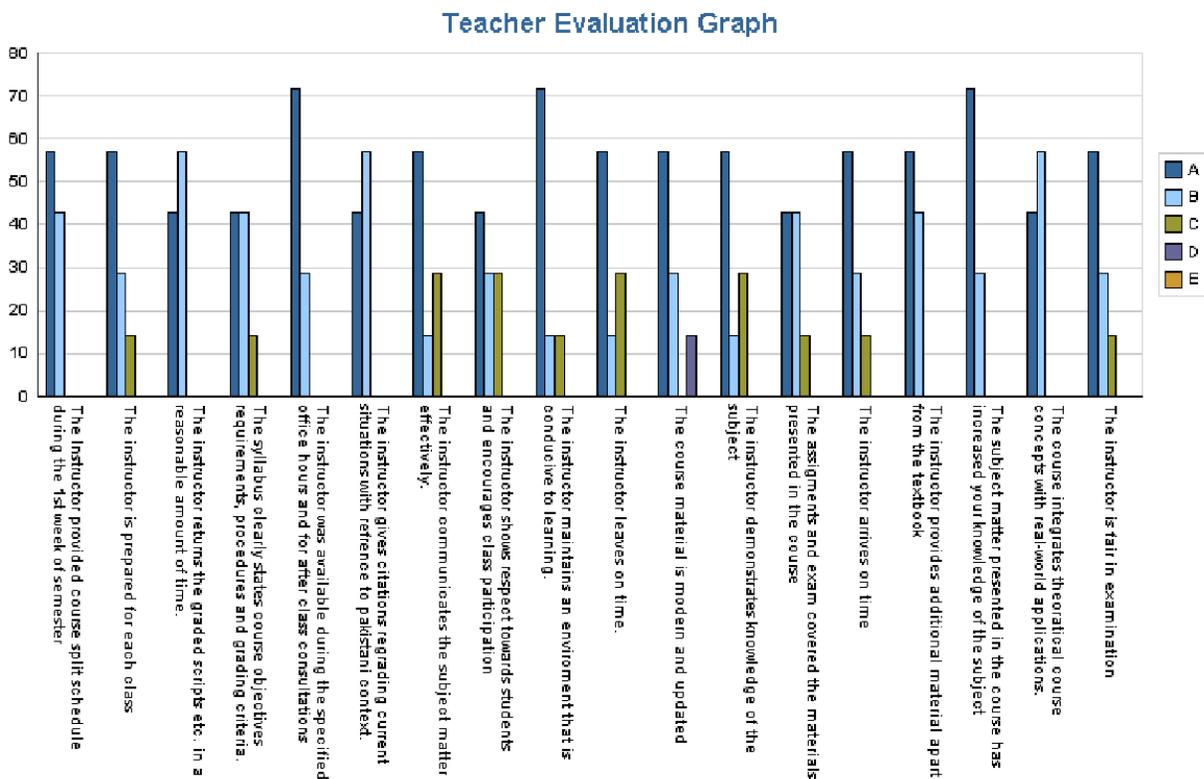
- Punctual
- Fair in examination

### Weakness:

- Instructor unavailability during office hours.

**Dr. Faraz Ahsan (CS-782)**

The graph for “The instructor is prepared for each class”, shows that 48% are strongly agreed, 18% are agreed, 8% are uncertain, 11% are Disagreed and 15% are strongly disagreed. The Instructor provides additional material apart from text”, shows that 29% are strongly agreed, 29% are agreed, 12% are uncertain, 15% are Disagreed and 15% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.”, shows that 34% are strongly agreed, 18% are agreed, 23% are uncertain, 7% are Disagreed and 18% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 34% are strongly agreed, 29% are agreed, 11% are uncertain, 8% are Disagreed and 18% are strongly disagreed. The graph for “Exam covered the material presented in the Course” shows that 29% are strongly agreed, 34% are agreed, 7% are uncertain, 12% are Disagreed and 18% are strongly disagreed.



### General Comments of the Students about the Teacher

#### Strength:

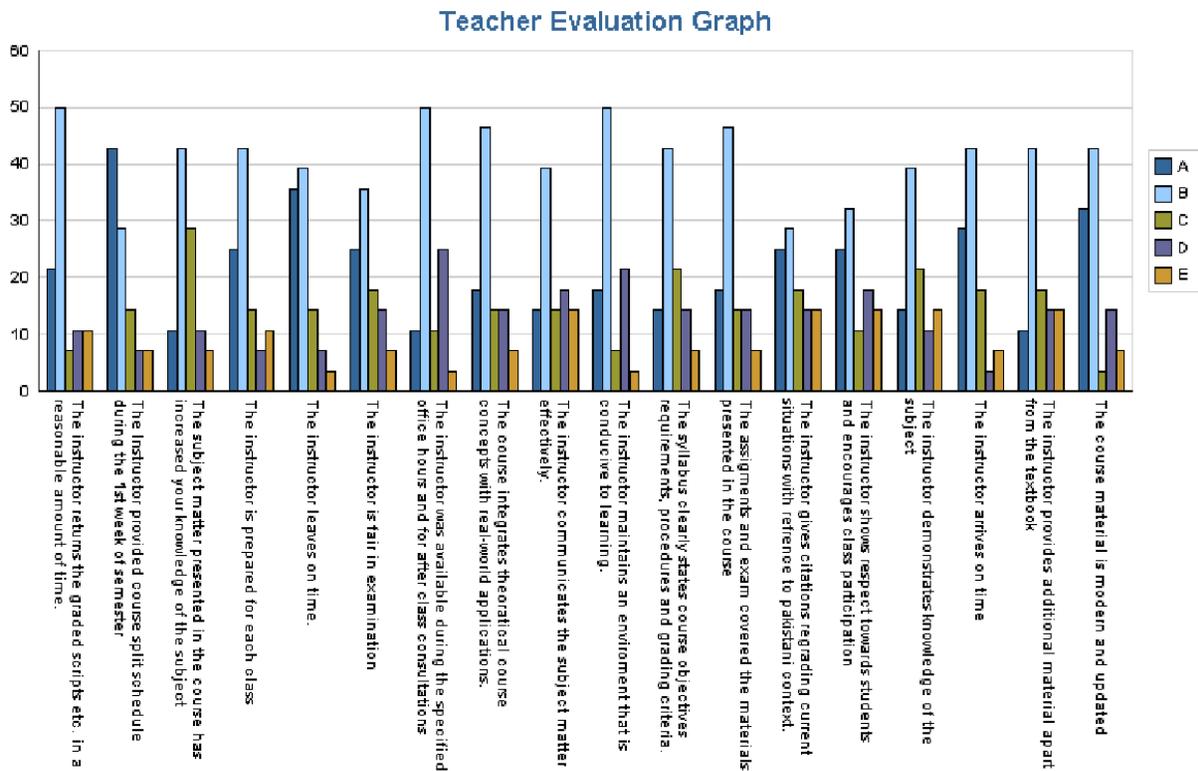
- Maintained conducive environment in class
- Availability during office hours.

**Weakness:**

- Exam didn't cover the material presented in the course.

**Mr. Muhammad Shabbir Hassan (CS-709)**

The graph for “The instructor is prepared for each class”, shows that 30% are strongly agreed, 53% are agreed, 8% are uncertain, 7% are Disagreed and 2% are strongly disagreed. The Instructor provides additional material apart from text”, shows that 24% are strongly agreed, 45% are agreed, 15% are uncertain, 11% are Disagreed and 5% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.”, shows that 35% are strongly agreed, 33% are agreed, 22% are uncertain and 10% are Disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 38% are strongly agreed, 38% are agreed, 15% are uncertain, 5% are Disagreed and 4% are strongly disagreed. The graph for “Exam covered the material presented in the Course” shows that 28% are strongly agreed, 43% are agreed, 20% are uncertain, 7% are Disagreed and 2% are strongly disagreed.



## General Comments of the Students about the Teacher

### Strength:

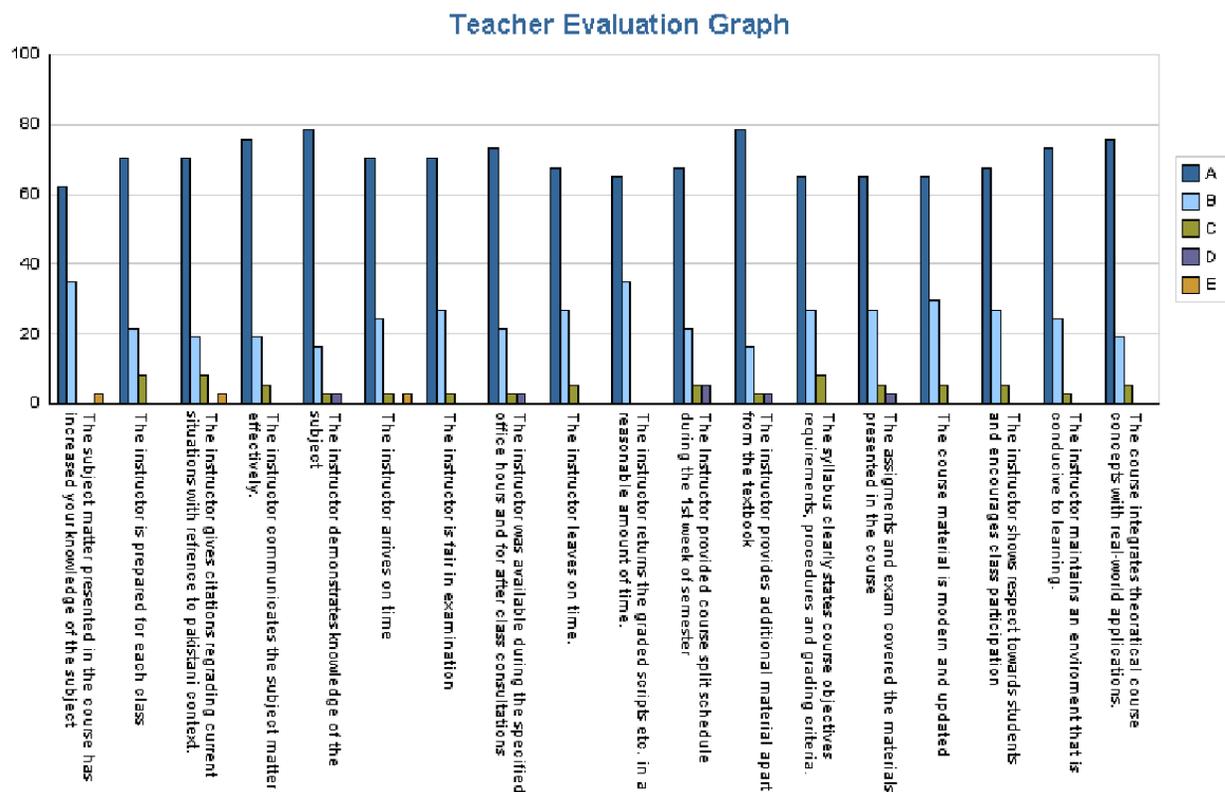
- Punctual
- Course Material was up-to-date.

### Weakness:

- Less additional material apart from book was provided.

### Syed Mushhad Gillani (CS-772)

The graph for “The instructor is prepared for each class”, shows that 63% are strongly agreed, 23% are agreed and 11% are uncertain. The Instructor provides additional material apart from text”, shows that 79% are strongly agreed, 17% are agreed, 2% are uncertain and 2% are Disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.”, shows that 71% are strongly agreed, 26% are agreed and 3% are uncertain. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 62% are strongly agreed, 36% are agreed and 2% are strongly disagreed. The graph for “Exam covered the material presented in the Course” shows that 67% are strongly agreed, 28% are agreed, 3% are uncertain and 2% are Disagreed.



## **General Comments of the Students about the Teacher**

### **Strength:**

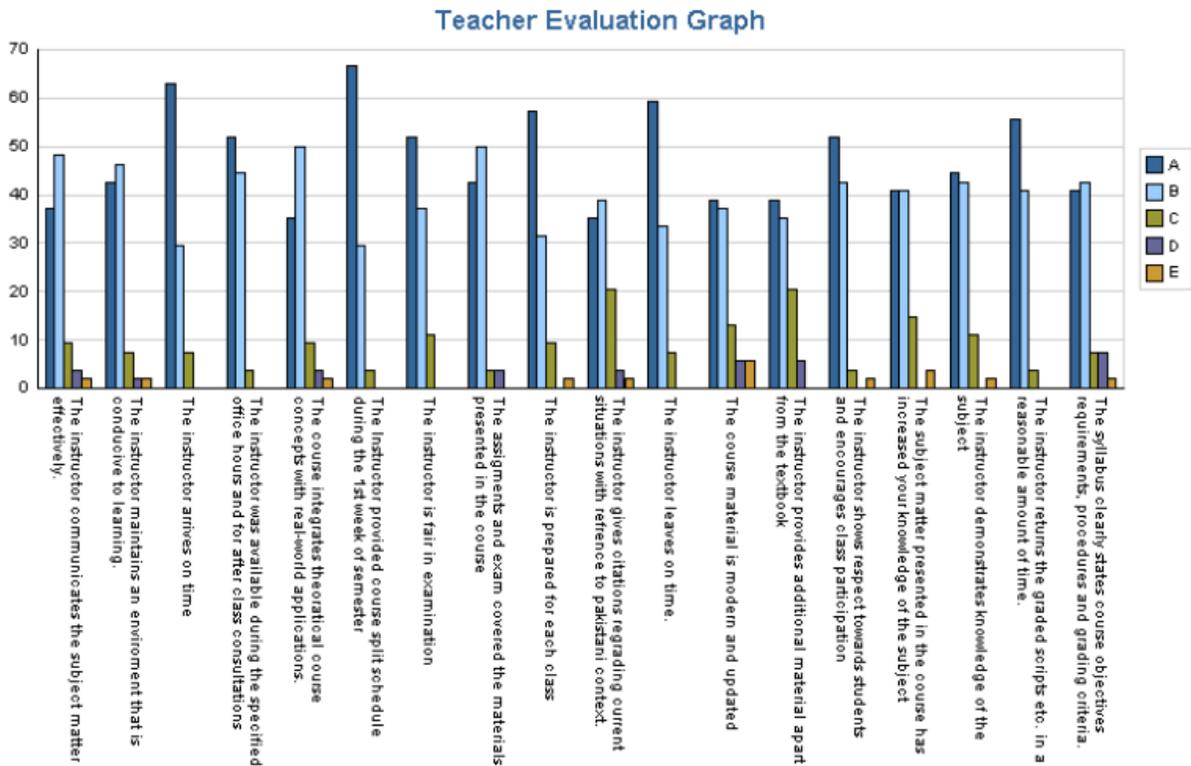
- Knowledge of course was properly conveyed
- Additional material apart from book was provided.

### **Weakness:**

- Exam didn't cover the material presented in the course.

### **Majid Tahir (CS-701)**

The graph for “The instructor provide additional material apart from the text book ” shows that 38% are strongly agreed, 36% are agreed, 20% are uncertain, 6% are disagreed and 0% are strongly disagreed. The graph for “The course integrates theoritical course concepts with real-world applications” shows that 35% are strongly agreed, 50% are agreed and 09% are uncertain 04% are disagreed and 02% are strongly disagreed. The graph for “The instructor demonstrates knowledge of the subjects” shows that 43% are strongly agreed, 42% are agreed and 11% are uncertain 0% are disagreed and 4% are strongly disagreed. The graph for “The instructor maintains an envoirment that is conducive to learning” shows that 42% are strongly agreed, 47% are agreed, 7% are uncertain, 2% are disagreed and 2% are strongly disagreed. The graph for “The instructor was available during the specified office hours and after the class consultation” shows that 52% are strongly agreed, 45% are agreed, 3% are uncertain, 0% are disagreed and 0% are strongly disagreed.



### General Comments of the Students about the Teacher

#### Strength:

- Teaching method is good
- Fair in examinations

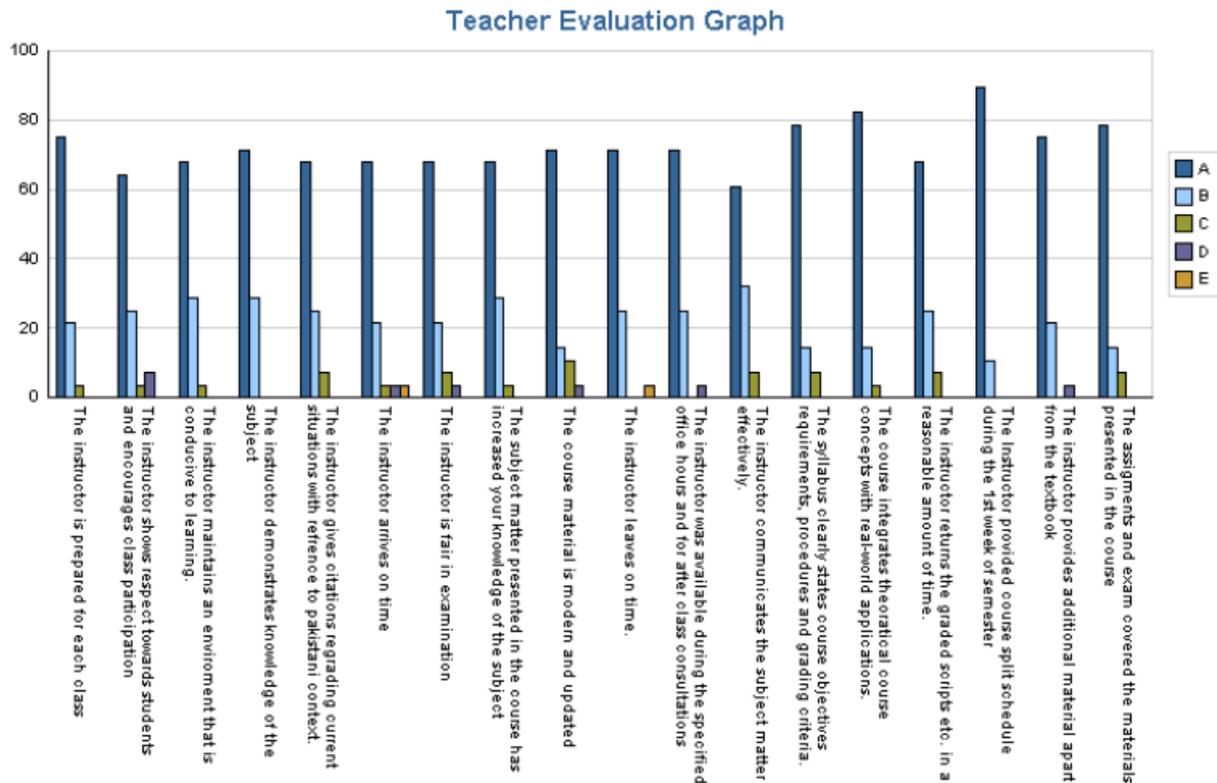
#### Weakness:

- More Workload

### Asif Nawaz (CS-745)

The graph for “The instructor provide additional material apart from the text book ” shows that 90% are strongly agreed, 10% are agreed, 0% are uncertain, 0% are disagreed and 0% are strongly disagreed. The graph for “The course integrates theoretical course concepts with real-world applications” shows that 35% are strongly agreed, 81% are agreed and 17% are uncertain 02% are disagreed and 0% are strongly disagreed. The graph for “The instructor demonstrates knowledge of the subjects” shows that 75% are strongly agreed, 25% are agreed and 0% are uncertain 0% are disagreed and 0% are strongly disagreed. The graph for “The

instructor maintains an environment that is conducive to learning” shows that 42% are strongly agreed, 72% are agreed, 25% are uncertain, 3% are disagreed and 0% are strongly disagreed. The graph for “The instructor was available during the specified office hours and after the class consultation” shows that 75% are strongly agreed, 23% are agreed, 0% are uncertain, 2% are disagreed and 0% are strongly disagreed.



## General Comments of the Students about the Teacher

### Strength:

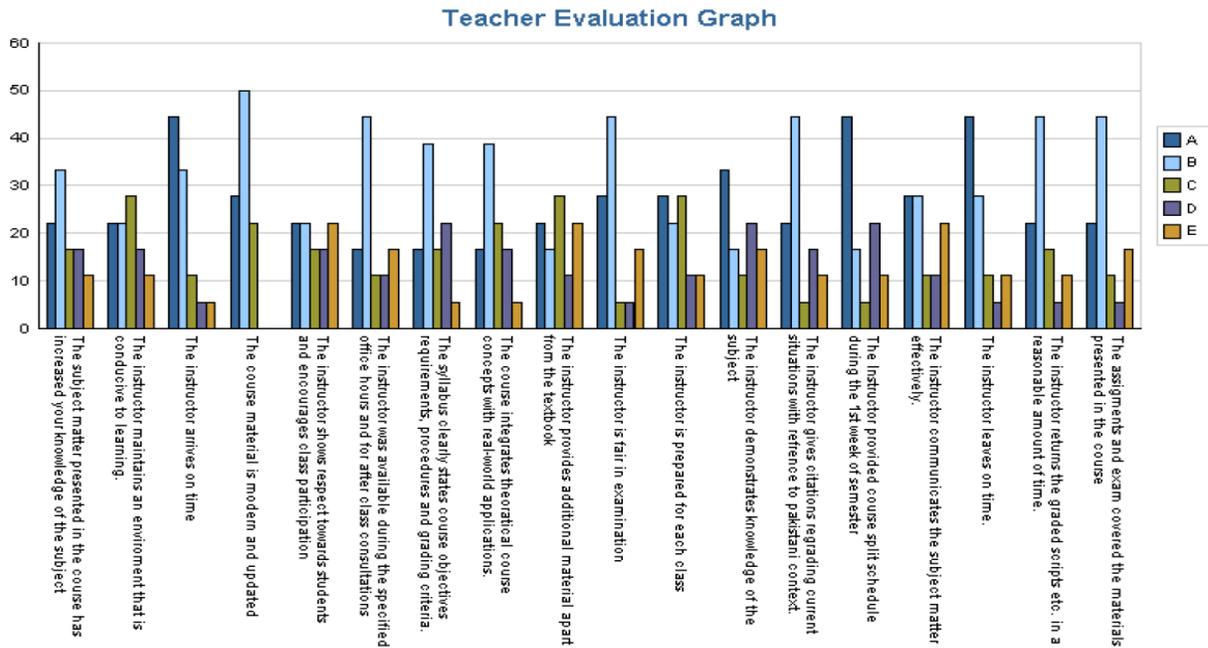
- Teaching method is good
- Fair in examinations

### Weakness:

- More Workload

**Farrukh Mehmood (CS-783)**

The graph for “The instructor provide additional material apart from the text book ” shows that 45% are strongly agreed, 15% are agreed, 05% are uncertain, 23% are disagreed and 12% are strongly disagreed. The graph for “The course integrates theoretical course concepts with real-world applications” shows that 17% are strongly agreed, 39% are agreed and 22% are uncertain 17% are disagreed and 5% are strongly disagreed. The graph for “The instructor demonstrates knowledge of the subjects” shows that 34% are strongly agreed, 17% are agreed and 11% are uncertain 21% are disagreed and 17% are strongly disagreed. The graph for “The instructor maintains an enviroinment that is conducive to learning” shows that 22% are strongly agreed, 22% are agreed, 28% are uncertain, 17% are disagreed and 11% are strongly disagreed. The graph for “The instructor was available during the specified office hours and after the class consultation” shows that 18% are strongly agreed, 45% are agreed, 12% are uncertain, 12% are disagreed and 13% are strongly disagreed.



## **General Comments of the Students about the Teacher**

### **Strength:**

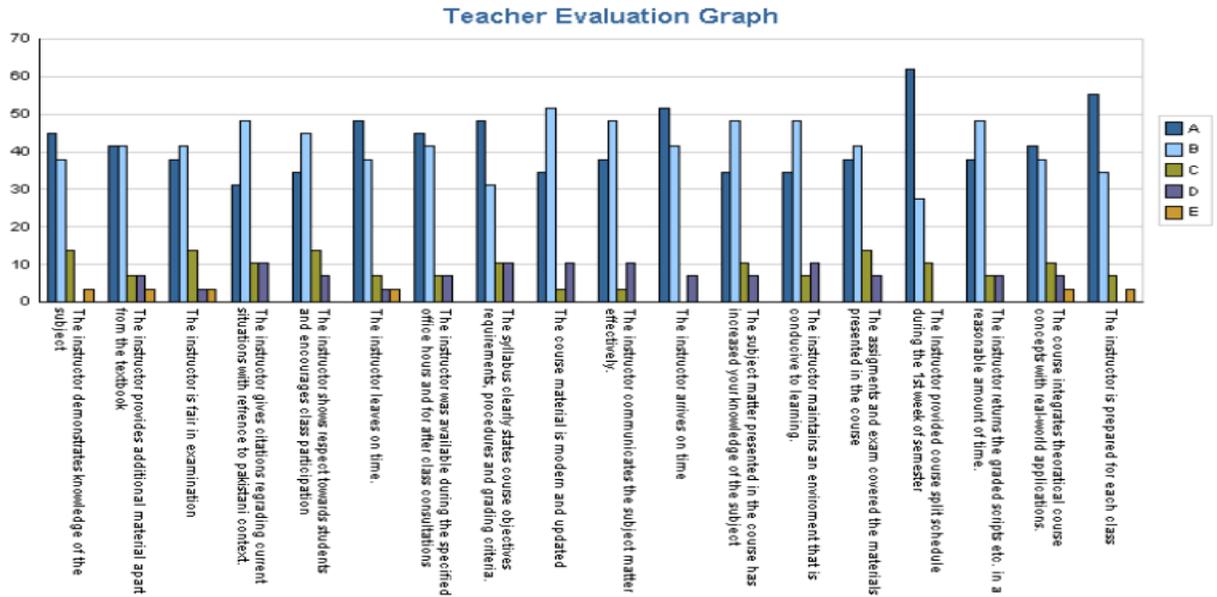
- Teaching method is good
- Fair in examinations

### **Weakness:**

- More Workload

### **Tariq Ali (CS-727)**

The graph for “The instructor provide additional material apart from the text book ” shows that 61% are strongly agreed, 28% are agreed, 11% are uncertain, 0% are disagreed and 0% are strongly disagreed. The graph for “The course integrates theoretical course concepts with real-world applications” shows that 41% are strongly agreed, 38% are agreed and 11% are uncertain 8% are disagreed and 2% are strongly disagreed. The graph for “The instructor demonstrates knowledge of the subjects” shows that 45% are strongly agreed, 38% are agreed and 15% are uncertain 0% are disagreed and 2% are strongly disagreed. The graph for “The instructor maintains an envoinment that is conducive to learning” shows that 33% are strongly agreed, 49% are agreed, 8% are uncertain, 10% are disagreed and 0% are strongly disagreed. The graph for “The instructor was available during the specified office hours and after the class consultation” shows that 44% are strongly agreed, 42% are agreed, 7% are uncertain, 7% are disagreed and 0% are strongly disagreed.



## General Comments of the Students about the Teacher

### Strength:

- Teaching method is good
- Fair in examinations

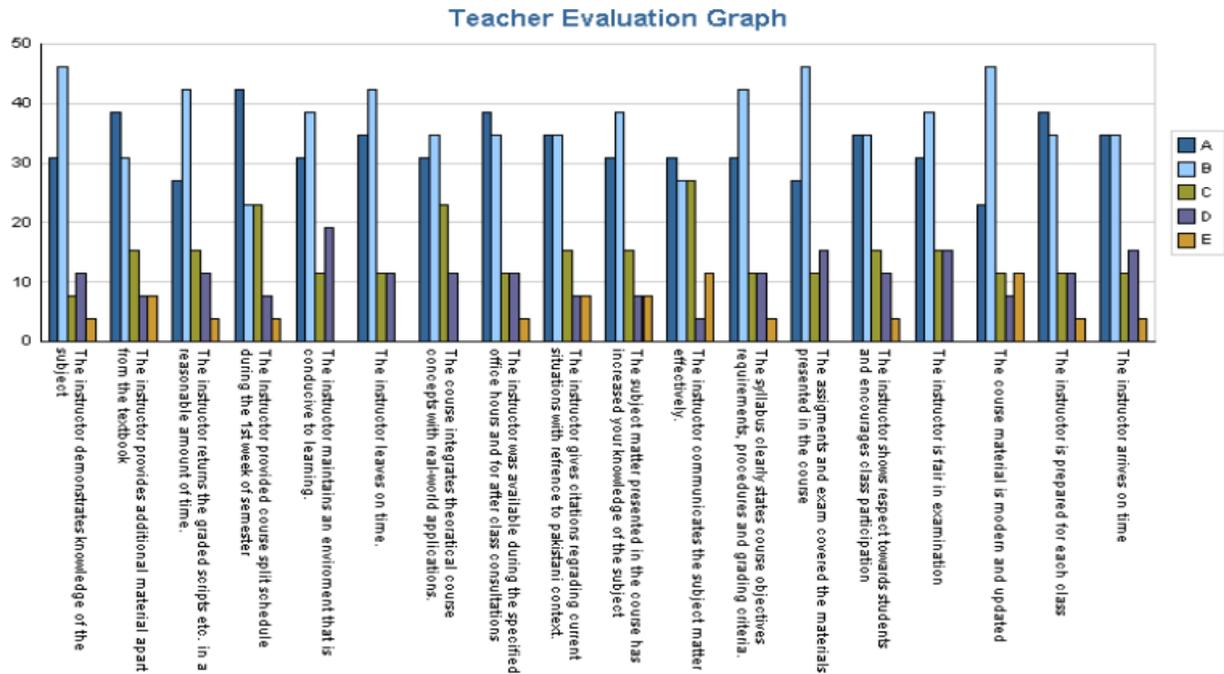
### Weakness:

- More Workload

### Hajra Murtaz (CS-729)

The graph for “The instructor provide additional material apart from the text book ” shows that 42% are strongly agreed, 23% are agreed, 23% are uncertain, 08% are disagreed and 04% are strongly disagreed. The graph for “The course integrates theoritical course concepts with real-world applications” shows that 31% are strongly agreed, 35% are agreed and 22% are uncertain 12% are disagreed and 0% are strongly disagreed. The graph for “The instructor demonstrates knowledge of the subjects” shows that 31% are strongly agreed, 47% are agreed and 7% are uncertain 11% are disagreed and 4% are strongly disagreed. The graph for “The instructor maintains an envoinment that is conducive to learning” shows that 31% are strongly agreed, 39% are agreed, 11% are uncertain, 19% are disagreed and 0% are strongly disagreed. The graph for “The instructor was available during the specified office hours and after the class

consultation” shows that 39% are strongly agreed, 35% are agreed, 11% are uncertain, 11% are disagreed and 4% are strongly disagreed.



### General Comments of the Students about the Teacher

#### Strength:

- Teaching method is good
- Fair in examinations

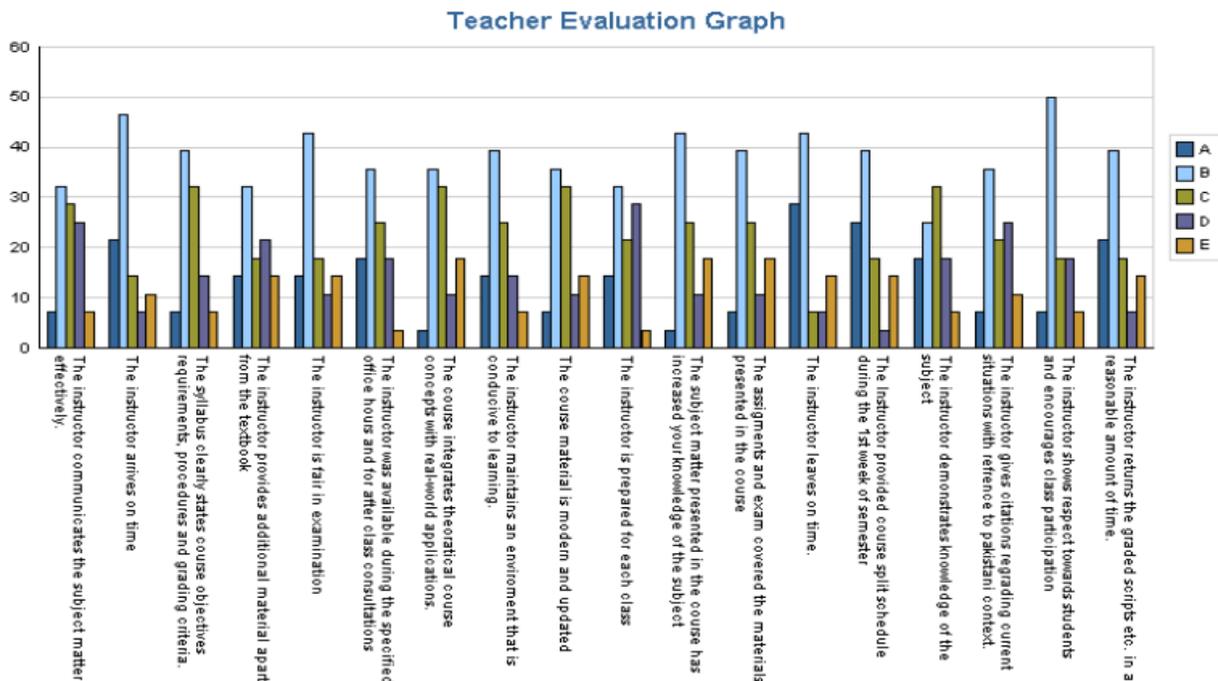
#### Weakness:

- More Workload

### Mummad Jaffer (CS-733)

The graph for “The instructor provide additional material apart from the text book ” shows that 18% are strongly agreed, 25% are agreed, 32% are uncertain, 18% are disagreed and 07% are strongly disagreed. The graph for “The course integrates theoretical course concepts with real-world applications” shows that 3% are strongly agreed, 35% are agreed and 33% are uncertain 10% are disagreed and 19% are strongly disagreed. The graph for “The instructor demonstrates knowledge of the subjects” shows that 18% are strongly agreed, 25% are agreed and 32% are uncertain 18% are disagreed and 7% are strongly disagreed. The graph for “The

instructor maintains an environment that is conducive to learning” shows that 15% are strongly agreed, 39% are agreed, 25% are uncertain, 15% are disagreed and 06% are strongly disagreed. The graph for “The instructor was available during the specified office hours and after the class consultation” shows that 18% are strongly agreed, 35% are agreed, 25% are uncertain, 18% are disagreed and 4% are strongly disagreed.



### General Comments of the Students about the Teacher

#### Strength:

- Teaching method is good
- Fair in examinations

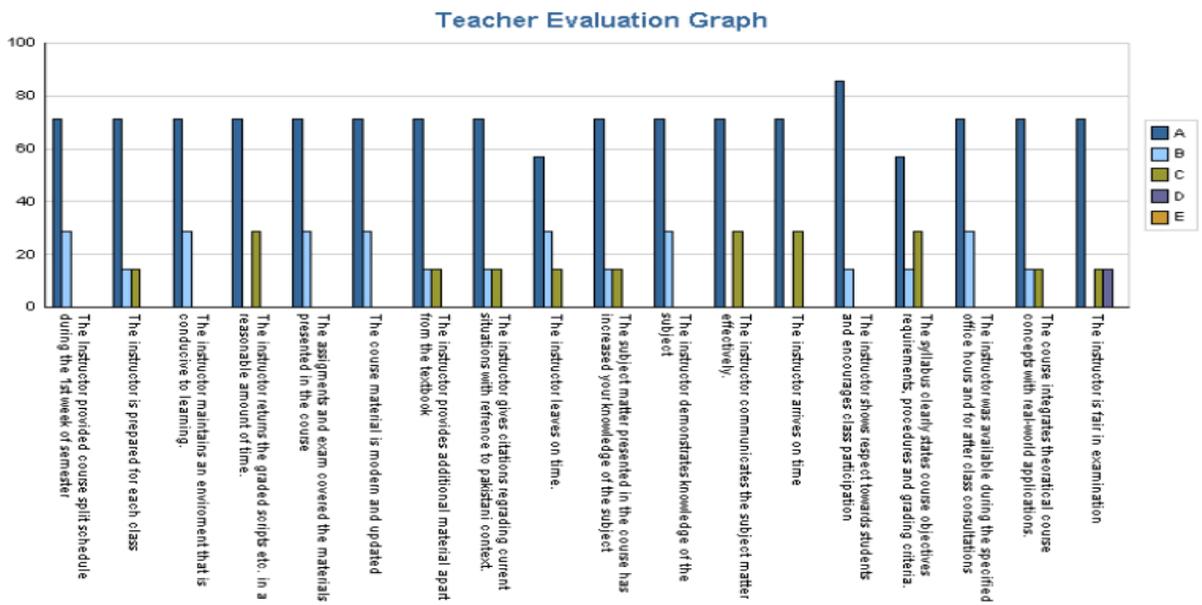
#### Weakness:

- More Workload

### Asif Nawaz (ENG-715)

The graph for “The instructor provide additional material apart from the text book ” shows that 70% are strongly agreed, 30% are agreed, 0% are uncertain, 0% are disagreed and 0% are strongly disagreed. The graph for “The course integrates theoretical course concepts with real-world applications” shows that 70% are strongly agreed, 15% are agreed and 15% are

uncertain 0% are disagreed and 0% are strongly disagreed. The graph for “The instructor demonstrates knowledge of the subjects” shows that 70% are strongly agreed, 30% are agreed and 0% are uncertain 0% are disagreed and 0% are strongly disagreed. The graph for “The instructor maintains an environment that is conducive to learning” shows that 15% are strongly agreed, 70% are agreed, 30% are uncertain, 0% are disagreed and 0% are strongly disagreed. The graph for “The instructor was available during the specified office hours and after the class consultation” shows that 70% are strongly agreed, 30% are agreed, 0% are uncertain, 0% are disagreed and 0% are strongly disagreed.



## General Comments of the Students about the Teacher

### Strength:

- Teaching method is good
- Fair in examinations

### Weakness:

- More Workload

### Student Course Evaluation

The courses of the respective teachers were also evaluated as per Performa 1 (Annexure-1) and the results are shown in Fig-2. The teacher who taught the score MGT-771 has score 95.2%, the teacher for ENG-705 has score 92%, the teacher for CS-737 has score 92%, the teacher for ENG-715 has score 91%, the teacher for CS-704 has score 90.5%, the teacher for CS-798 has score 90.5%, the teacher for CS-763 has score 89%, the teacher for CS-772 has score 89%, the teacher for CS-745 has score 88%, the teacher for CS-708 has score 88%, the teacher for CS-771 has score 87 %,the teacher for CS-723 has score 84.1 %, the teacher for CS-724 has score 81.1%, the teacher for CS-701 has score 80%, the teacher for CS-784 has score 77.5%, the teacher for CS-782 has score 77%, the teacher for CS-727 has score 72%, the teacher for CS-729 has score 69%, the teacher for CS-709 has score 58%, the teacher for CS-783 has score 49%, the teacher for CS-733 has score 49%, the teacher for CS-793 has score 37%. The scores of other courses of respective teachers can be seen from the graph.

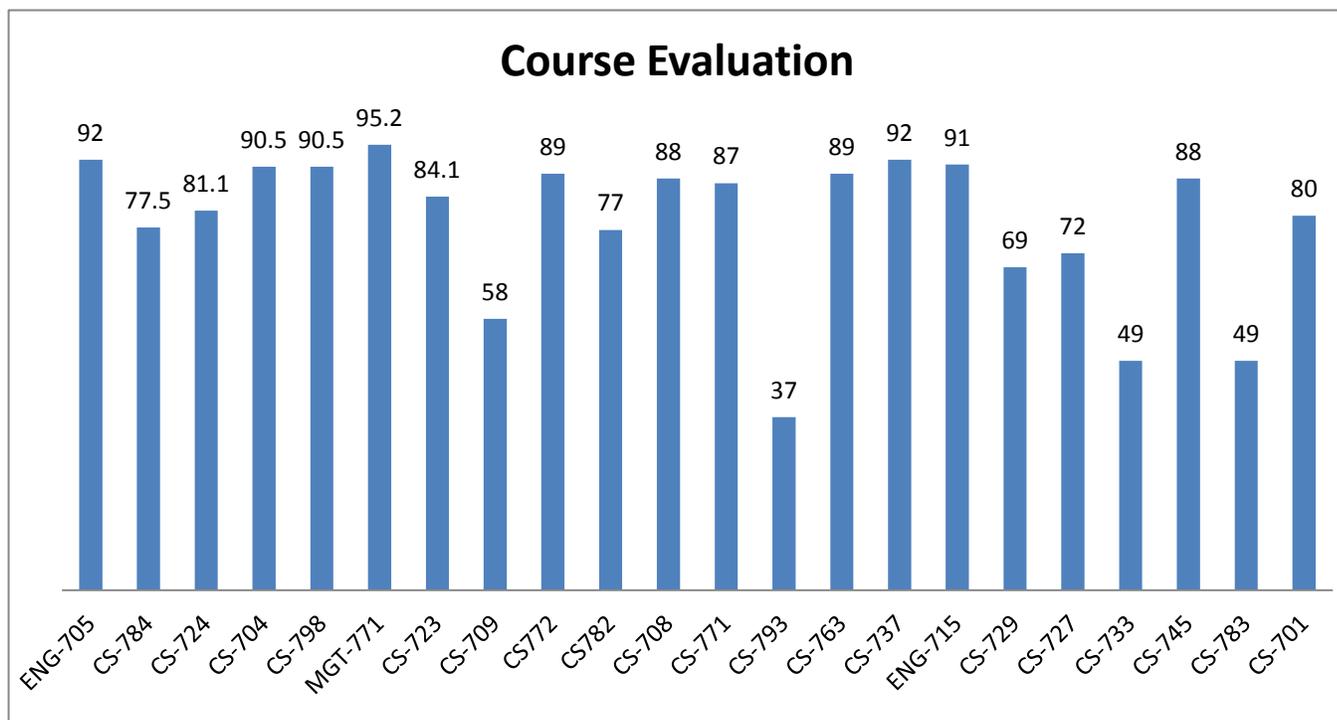
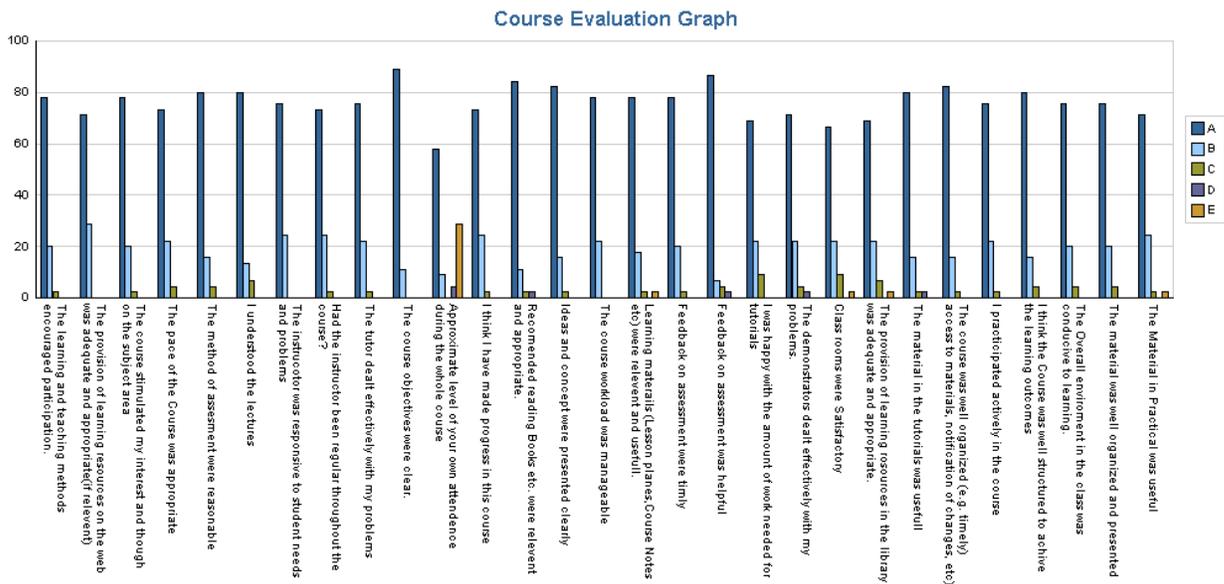


Figure 2: Student Course Evaluation Graph

**Mr.Atif Bilal (MGT-771)**

The graph shows the detail of evaluation. The graph for “Had the instructor been regular throughout the course”, shows that 73% are strongly agreed, 24% are agreed, , 2% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “I think the Course was well structured to achieve the learning outcomes”, shows that 80% are strongly agreed, 16% are agreed, 4% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The provision of learning resources in the library was adequate and appropriate”, shows that 69% are strongly agreed, 22% are agreed, 7% are uncertain, 0% are Disagreed and 2% are strongly disagreed’. The graph for “The course objectives were clear”, shows that 89% are strongly agreed, 11% are agreed, 0% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The course workload was manageable”, shows that 78% are strongly agreed, 22% are agreed, 0% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The instructor was responsive to student needs and problems manageable”, shows that 76% are strongly agreed, 24% are agreed, 0% are uncertain, 0% are Disagreed and 0% are strongly disagreed.



**General Comments of the Students about this Course Strengths:**

- Objectives well clear.

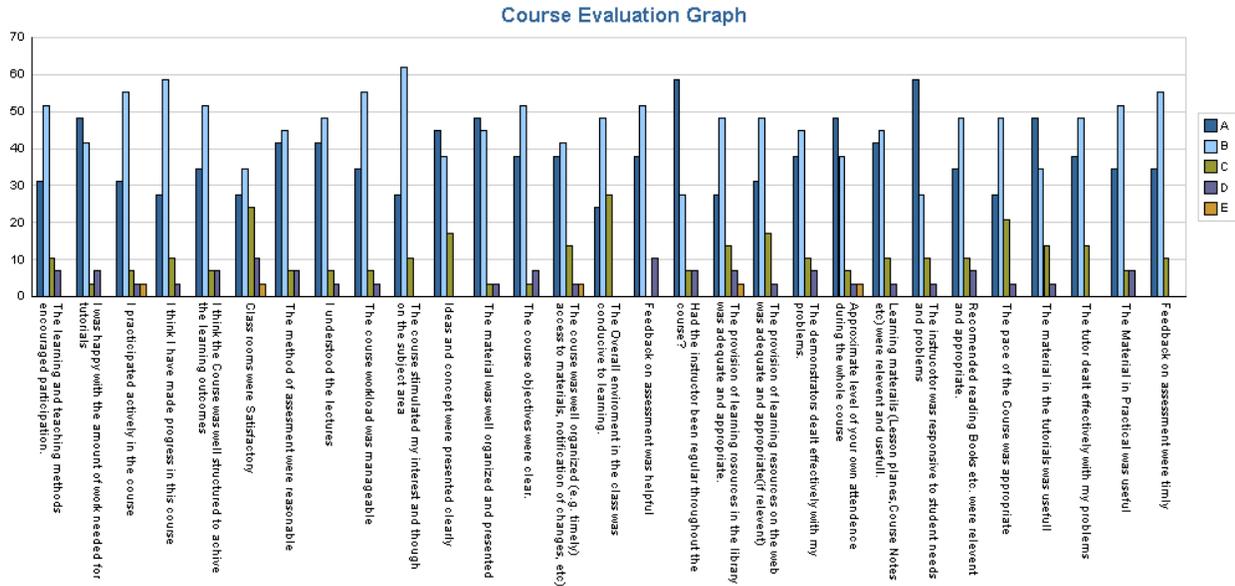
- Well organized material

**Weaknesses:**

- Student's attendance was not adequate.

**Mr.Salman Zafar (CS-723)**

The graph shows the detail of evaluation. The graph for “Had the instructor been regular throughout the course”, shows that 59% are strongly agreed, 28% are agreed, 7% are uncertain, 6% are Disagreed and 0% are strongly disagreed. The graph for “I think the Course was well structured to achieve the learning outcomes”, shows that 34% are strongly agreed, 52% are agreed, 7% are uncertain, 7% are Disagreed and 0% are strongly disagreed. The graph for “The provision of learning resources in the library was adequate and appropriate”, shows that 28% are strongly agreed, 48% are agreed, 14% are uncertain, 7% are Disagreed and 3% are strongly disagreed’. The graph for “The course objectives were clear”, shows that 38% are strongly agreed, 52% are agreed, 3% are uncertain, 7% are Disagreed and 0% are strongly disagreed. The graph for “The course workload was manageable”, shows that 34% are strongly agreed, 55% are agreed, 7% are uncertain, 4% are Disagreed and 0% are strongly disagreed. The graph for “The instructor was responsive to student needs and problems manageable”, shows that 59% are strongly agreed, 28% are agreed, 10% are uncertain, 3% are Disagreed and 0% are strongly disagreed.



**General Comments of the Students about this Course Strengths:**

- Problem solving is good
- Learning outcomes achieved

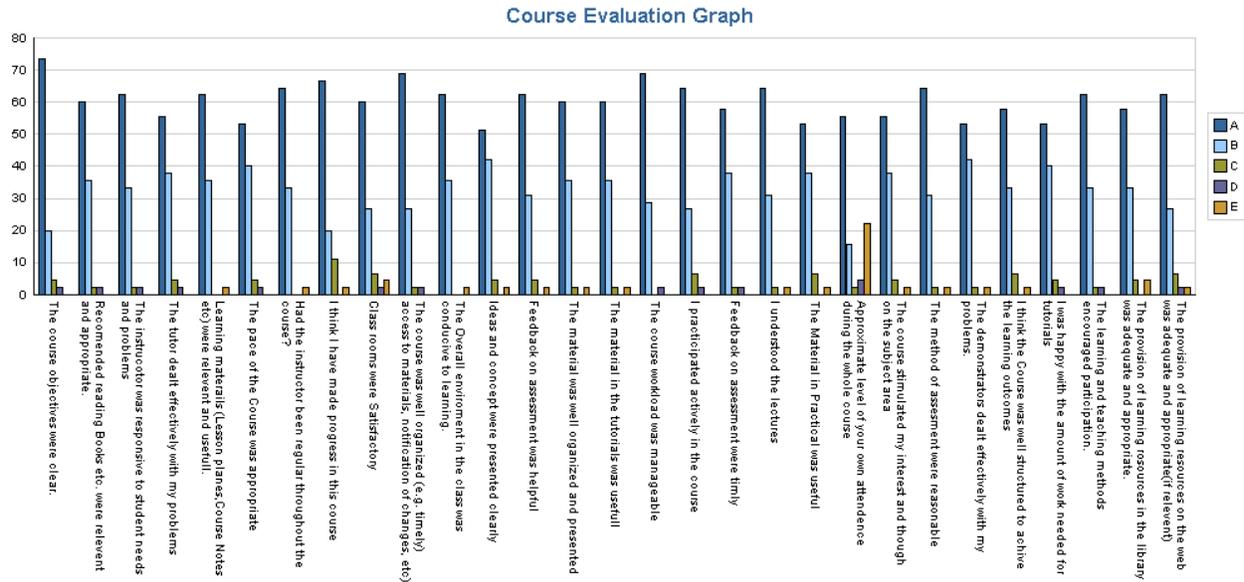
**Weaknesses:**

- The provision of learning resources was not appropriate and adequate

**Mr.Saqib Saleem (ENG-705)**

The graph shows the detail of evaluation. The graph for “Had the instructor been regular throughout the course”, shows that 64% are strongly agreed, 33% are agreed, 0% are uncertain, 0% are Disagreed and 3% are strongly disagreed. The graph for “I think the Course was well structured to achieve the learning outcomes”, shows that 58% are strongly agreed, 33% are agreed, 7% are uncertain, 0% are Disagreed and 2% are strongly disagreed. The graph for “The provision of learning resources in the library was adequate and appropriate”, shows that 58% are strongly agreed, 33% are agreed, 4% are uncertain, 0% are Disagreed and 5% are strongly disagreed’. The graph for “The course objectives were clear”, shows that 73% are strongly agreed, 20% are agreed, 5% are uncertain, 2% are Disagreed and 0% are strongly disagreed. The graph for “The course workload was manageable”, shows that 69% are strongly

agreed, 29% are agreed, 0% are uncertain, 2% are Disagreed and 0% are strongly disagreed. The graph for “The instructor was responsive to student needs and problems manageable”, shows that 62% are strongly agreed, 33% are agreed, 3% are uncertain, 2% are Disagreed and 0% are strongly disagreed.



### General Comments of the Students about this Course

#### Strengths:

- Good Course objectives
- The course work load was manageable.
- Understanding of the course

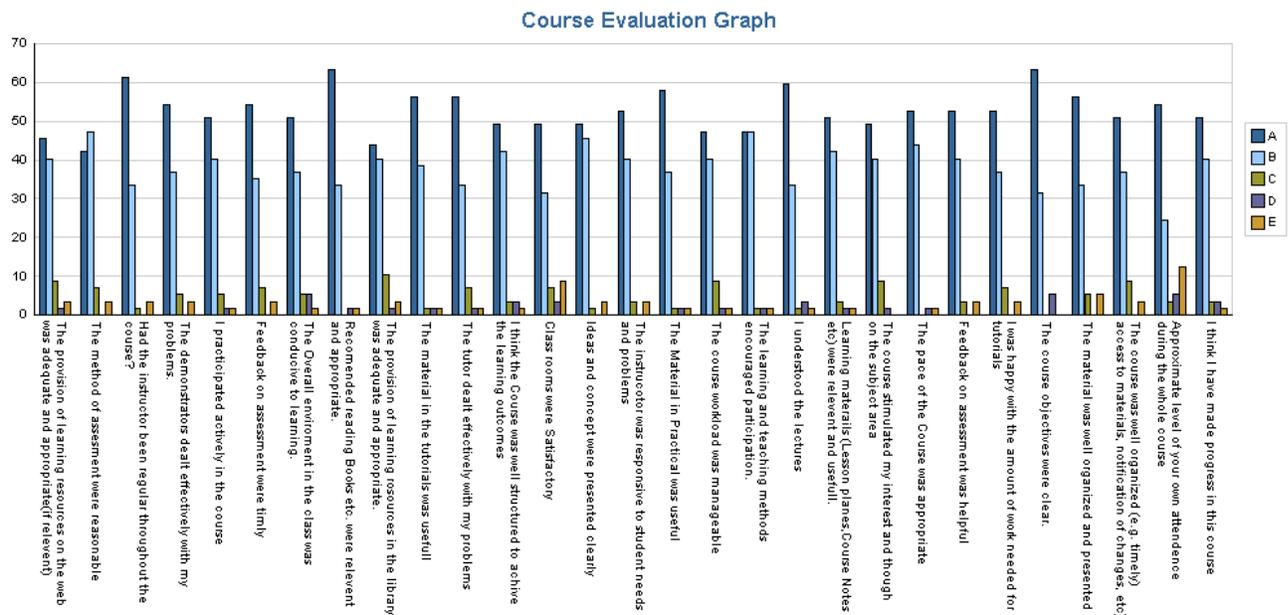
#### Weakness:

- The Attendance should be more effective

### Mr.Tariq Ali ( CS-704)

The graph shows the detail of evaluation. The graph for “Had the instructor been regular throughout the course”, shows that 43% are strongly agreed, 8% are uncertain, 47% are agreed, 4% are Disagreed and 6% are strongly disagreed. The graph for “I think the Course was well structured to achieve the learning outcomes”, shows that 43% are strongly agreed, 47% are agreed, 8% are uncertain, 4% are Disagreed and 6% are strongly disagreed. The graph for “The

provision of learning resources in the library was adequate and appropriate”, shows that 43% are strongly agreed, 47% are agreed, 8% are uncertain, 4% are Disagreed and 6% are strongly disagreed’. The graph for “The course objectives were clear”, shows that 43% are strongly agreed, 47% are agreed, 8% are uncertain, 4% are Disagreed and 6% are strongly disagreed. The graph for “The course workload was manageable”, shows that 43% are strongly agreed, 47% are agreed, 8% are uncertain, 4% are Disagreed and 6% are strongly disagreed. The graph for “The instructor was responsive to student needs and problems manageable”, shows that 43% are strongly agreed, 47% are agreed, 8% are uncertain, 4% are Disagreed and 6% are strongly disagreed.



### General Comments of the Students about this Course Strengths:

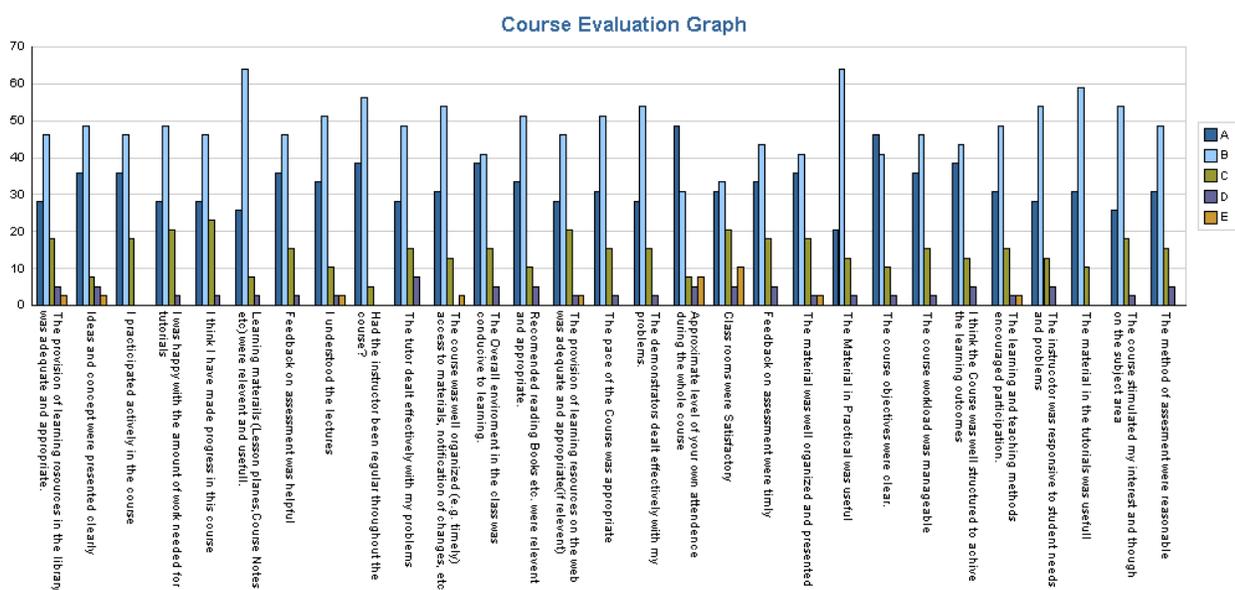
- Objectives well clear
- Understanding of the course

### Weaknesses:

- Level of student’s attendance was less.
- Class rooms were not satisfactory

**Ms.Sarfraz Bibi (CS-724)**

The graph shows the detail of evaluation. The graph for “Had the instructor been regular throughout the course”, shows that 39% are strongly agreed, 56% are agreed, 5% are uncertain 0% are Disagreed and 0% are strongly disagreed. The graph for “I think the Course was well structured to achieve the learning outcomes”, shows that 38% are strongly agreed, 44% are agreed, 13% are uncertain, 5% are Disagreed and 0% are strongly disagreed. The graph for “The provision of learning resources in the library was adequate and appropriate”, shows that 28% are strongly agreed, 46% are agreed, 18% are uncertain, 5% are Disagreed and 3% are strongly disagreed’. The graph for “The course objectives were clear”, shows that 46% are strongly agreed, 41% are agreed, 10% are uncertain, 3% are Disagreed and 0% are strongly disagreed. The graph for “The course workload was manageable”, shows that 36% are strongly agreed, 46% are agreed, 15% are uncertain, 3% are Disagreed and 0% are strongly disagreed. The graph for “The instructor was responsive to student needs and problems manageable”, shows that 28% are strongly agreed, 54% are agreed, 13% are uncertain, 5% are Disagreed and 0% are strongly disagreed.



**General Comments of the Students about this Course**

**Strengths:**

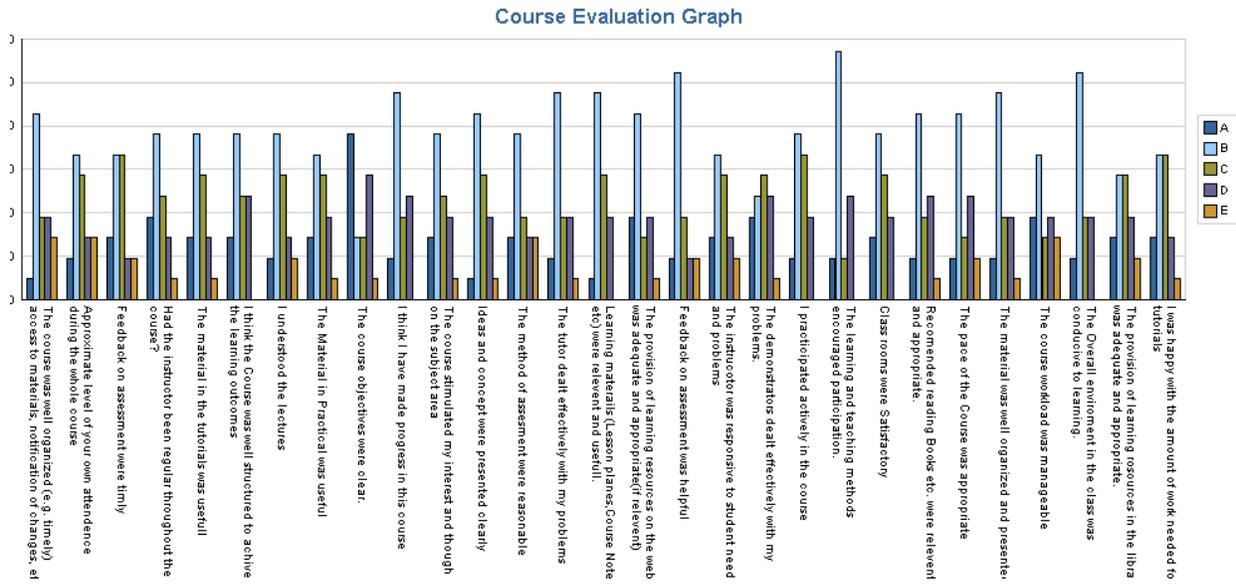
- Good reference material provided.
- Well organized material

**Weaknesses:**

- Class rooms were not satisfactory
- Student's attendance was not adequate.

**Mr Nasir Minhas (CS-784)**

The graph shows the detail of evaluation. The graph for “Had the instructor been regular throughout the course”, shows that 49% are strongly agreed, 43% are agreed, 3% are uncertain, 3% are Disagreed and 2% are strongly disagreed. The graph for “I think the Course was well structured to achieve the learning outcomes”, shows that 23% are strongly agreed, 46% are agreed, 23% are uncertain, 3% are Disagreed and 5% are strongly disagreed. The graph for “The provision of learning resources in the library was adequate and appropriate”, shows that 27% are strongly agreed, 49% are agreed, 15% are uncertain, 6% are Disagreed and 6% are strongly disagreed. The graph for “The course objectives were clear”, shows that 40% are strongly agreed, 34% are agreed, 11% are uncertain, 9% are Disagreed and 6% are strongly disagreed. The graph for “The course workload was manageable”, shows that 29% are strongly agreed, 43% are agreed, 9% are uncertain, 6% are Disagreed and 13% are strongly disagreed. The graph for “The instructor was responsive to student needs and problems manageable”, shows that 43% are strongly agreed, 47% are agreed, 8% are uncertain, 4% are Disagreed and 6% are strongly disagreed.



## General Comments of the Students about this Course

### Strengths:

- Feedback on assessment was timely.
- Effective conducive environment

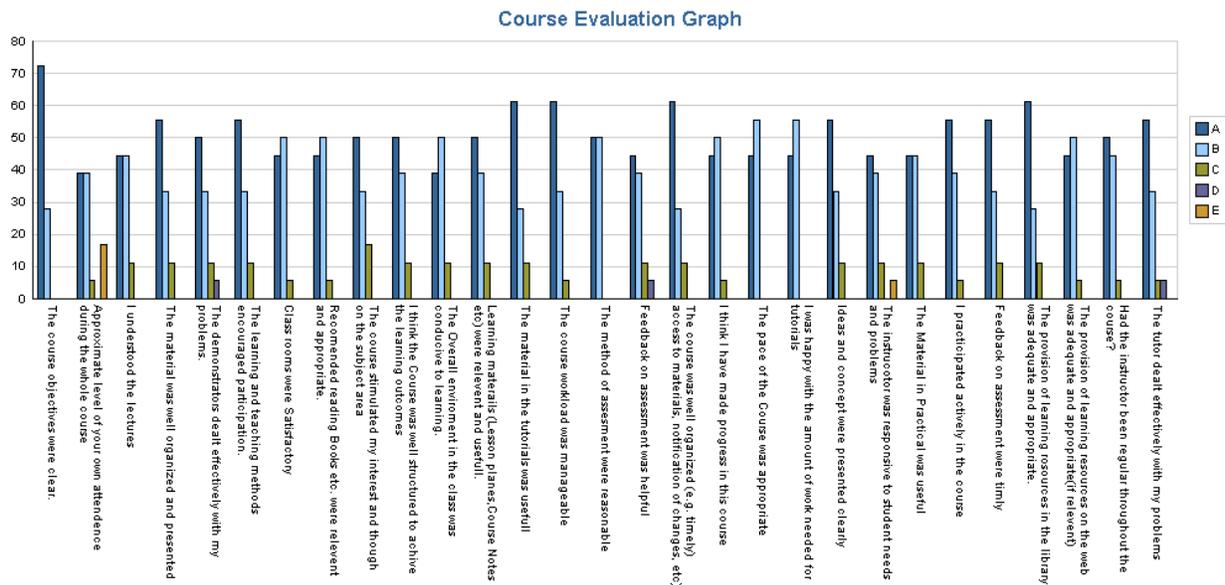
### Weaknesses:

- Course was not well organized.
- The course work load was not manageable.

### Mr.Sheereaz Mughal (CS-798)

The graph shows the detail of evaluation. The graph for “Had the instructor been regular throughout the course?”, shows that 50% are strongly agreed, 44% are agreed, 6% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “I think the Course was well structured to achieve the learning outcomes”, shows that 50% are strongly agreed, 39% are agreed, 11% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The provision of learning resources in the library was adequate and appropriate”, shows that 61% are strongly agreed, 28% are agreed, 11% are uncertain, 0% are Disagreed and 0% are strongly

disagreed’. The graph for “The course objectives were clear”, shows that 72% are strongly agreed, 28% are agreed, 0% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The course workload was manageable”, shows that 61% are strongly agreed, 33% are agreed, 6% are uncertain, 0% are Disagreed and 0% are strongly disagreed. The graph for “The instructor was responsive to student needs and problems manageable”, shows that 44% are strongly agreed, 39% are agreed, 11% are uncertain, 0% are Disagreed and 6% are strongly disagreed.



### General Comments of the Students about this Course

#### Strengths:

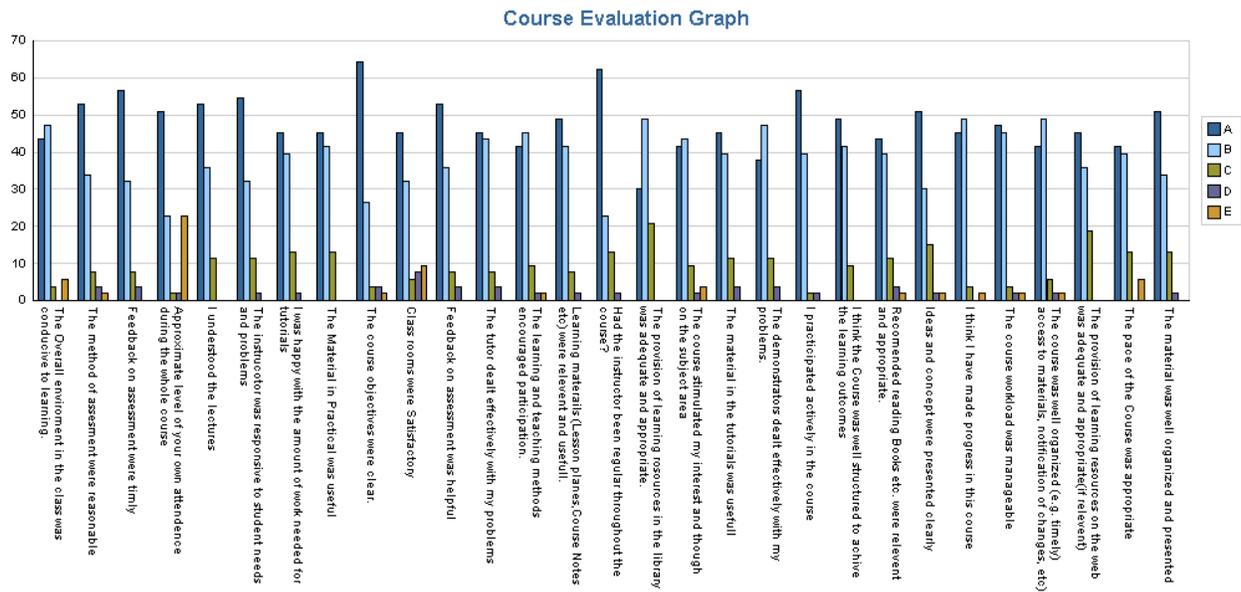
- Well organized material
- Course objective well clear.
- The course includes modern knowledge and techniques.

#### Weaknesses:

- Student’s attendance was not adequate.

**Mr. Saleem Iqbal (CS-771)**

The graph for “instructor was responsive to student needs and problems” shows that 54% are strongly agreed, 32% are agreed, 12% are uncertain and 2% are disagreed. The graph for “The course objectives were clear” shows that 65% are strongly agreed, 27% are agreed, 3% are uncertain, 3% are disagreed and 2% are strongly disagreed. The graph for “Provision of learning resources in library was adequate and appropriate” shows that 30% are strongly agreed, 49% are agreed and 21% are uncertain. The graph for “Course was well structured to achieve the learning outcomes” shows that 49% are strongly agreed, 42% are agreed and 9% are uncertain. The graph for “The Course workload was manageable” shows that 48% are strongly agreed, 45% are agreed, 3% are uncertain, 2% are disagreed and 2% are strongly disagreed. The graph for “Instructor’s punctuality” shows that 63% are strongly agreed, 22% are agreed, 13% are uncertain and 2% are disagreed.



**General Comments of the Students about this Course**

**Strengths:**

- The objectives were clear.
- Student actively participated in the course.

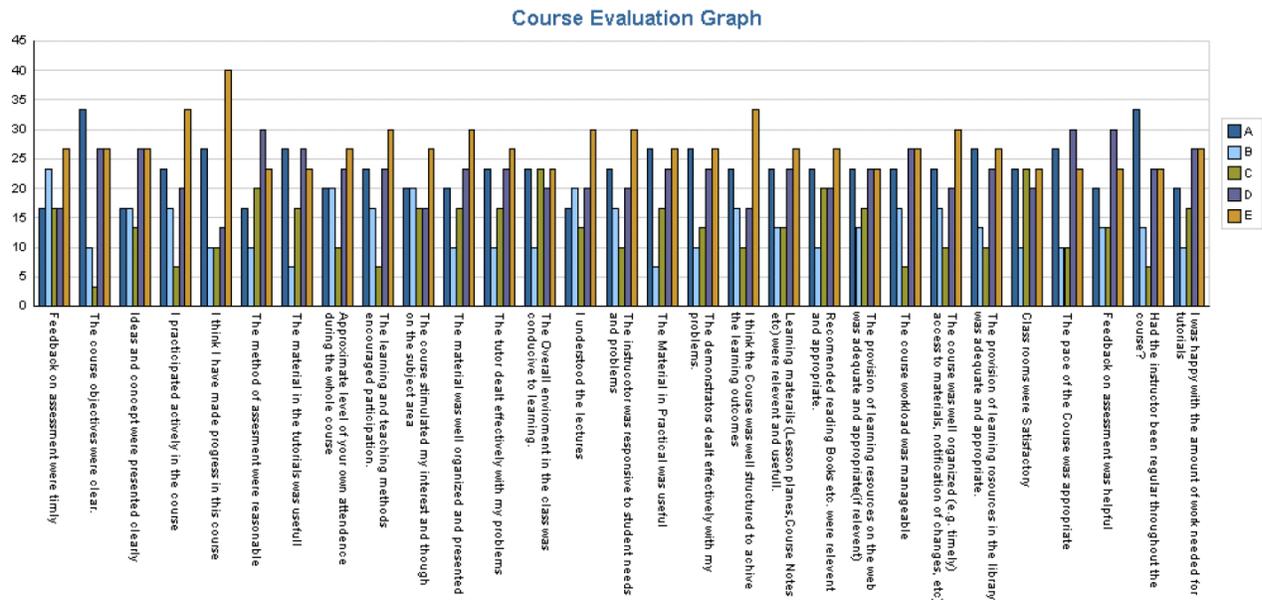
**Weaknesses:**

- The provision of learning resources was not appropriate and adequate.

- Level of student’s attendance was less.

**Mr. Hamid Hussain (CS-793)**

The graph for “instructor was responsive to student needs and problems” shows that 23% are strongly agreed, 17% are agreed, 10% are uncertain, 20% are disagreed and 30% are strongly disagreed. The graph for “The course objectives were clear” shows that 33% are strongly agreed, 10% are agreed, 3% are uncertain, 27% are disagreed and 27% are strongly disagreed. The graph for “. The graph for “Provision of learning resources in library was adequate and appropriate” shows that 23% are strongly agreed, 13% are agreed, 18% are uncertain , 23% are disagreed and 23% are strongly disagreed. The graph for “Course was well structured to achive the learning outcomes” shows that 23% are strongly agreed, 17% are agreed and 10% are uncertain, 17% are disagreed and 33% are strongly disagreed. The graph for “The Course workload was manageable” shows that 23% are strongly agreed, 16% are agreed, 7% are uncertain, 27% are disagreed and 27% are strongly disagreed. The graph for “Instructor’s punctuality” shows that 33% are strongly agreed, 13% are agreed, 8% are uncertain, 23% are disagreed and 23% are strongly disagreed.



## General Comments of the Students about this Course

### Strengths:

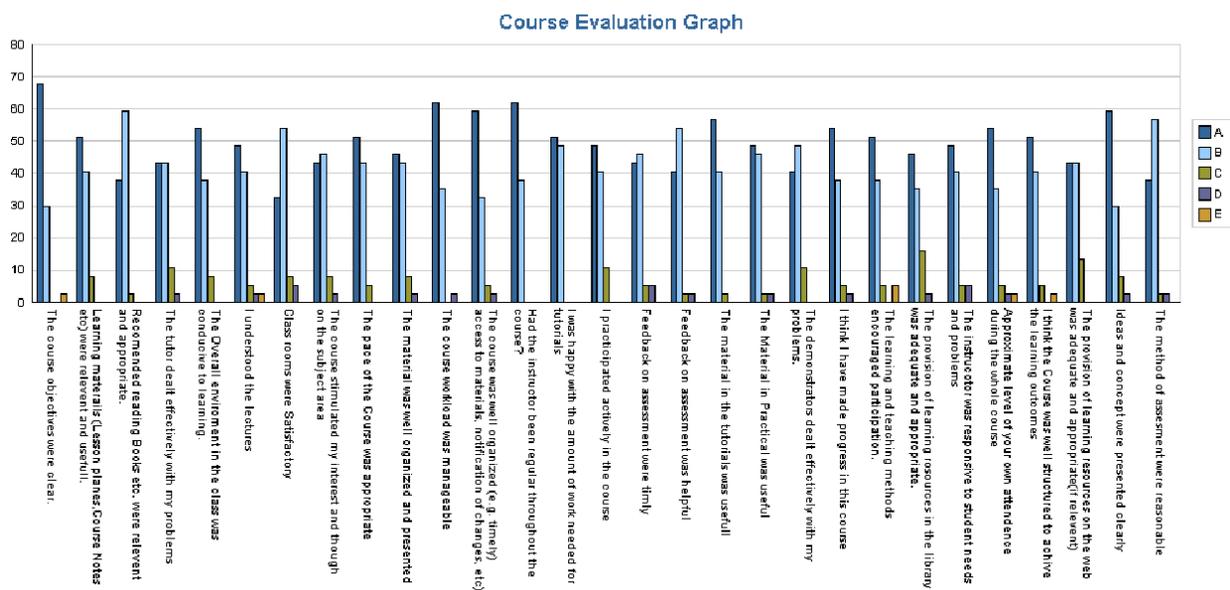
- The objectives were clear.
- The material in the tutorials was useful.

### Weaknesses:

- Students have not made progress.
- Course was not well structured.

### Mr. Saleem Iqbal (CS-737)

The graph for “instructor was responsive to student needs and problems” shows that 49% are strongly agreed, 41% are agreed, 5% are uncertain and 5% are disagreed. The graph for “The course objectives were clear” shows that 68% are strongly agreed, 30% are agreed and 2% are strongly disagreed. The graph for “. The graph for “Provision of learning resources in library was adequate and appropriate” shows that 46% are strongly agreed, 36% are agreed, 16% are uncertain and 2% are disagreed. The graph for “Course was well structured to achieve the learning outcomes” shows that 52% are strongly agreed, 40% are agreed and 5% are uncertain and 3% are strongly disagreed. The graph for “The Course workload was manageable” shows that 62% are strongly agreed, 36% are agreed and 2% are disagreed. The graph for “Instructor’s punctuality” shows that 62% are strongly agreed and 38% are agreed.



## **General Comments of the Students about this Course**

### **Strengths:**

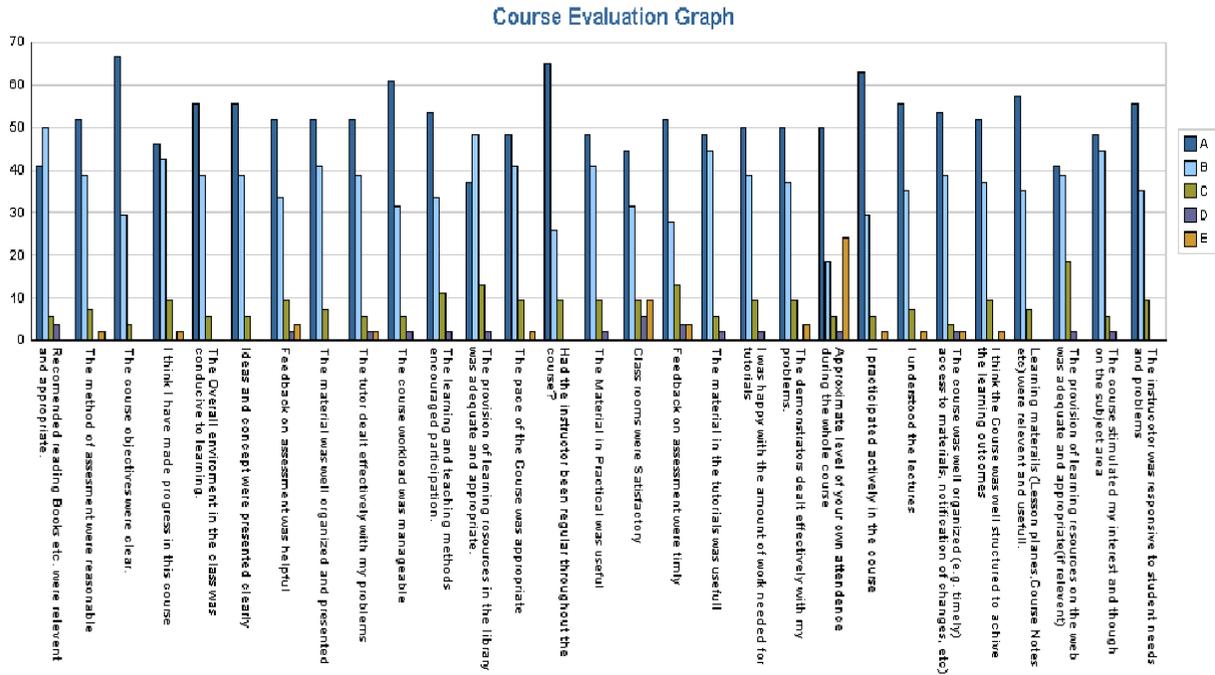
- Student's participation was encouraged.
- After class consultations and office hours were properly utilized.
- Course Workload was manageable.

### **Weaknesses:**

- The provision of learning resources was not appropriate and adequate

### **Mr. Muhammad Mubashir (CS-763)**

The graph for “instructor was responsive to student needs and problems” shows that 56% are strongly agreed, 35% are agreed and 9% are uncertain. The graph for “The course objectives were clear” shows that 67% are strongly agreed, 29% are agreed and 4% are uncertain. The graph for “Provision of learning resources in library was adequate and appropriate” shows that 37% are strongly agreed, 49% are agreed, 12% are uncertain and 2% are disagreed. The graph for “Course was well structured to achieve the learning outcomes” shows that 52% are strongly agreed, 37% are agreed, 9% are uncertain and 2% are strongly disagreed. The graph for “The Course workload was manageable” shows that 61% are strongly agreed, 31% are agreed, 6% are uncertain and 2% are disagreed. The graph for “Instructor's punctuality” shows that 65% are strongly agreed, 26% are agreed and 9% are uncertain.



### General Comments of the Students about this Course Strengths:

- Demonstrator dealt with student’s problems effectively
- Course objectives were clear.

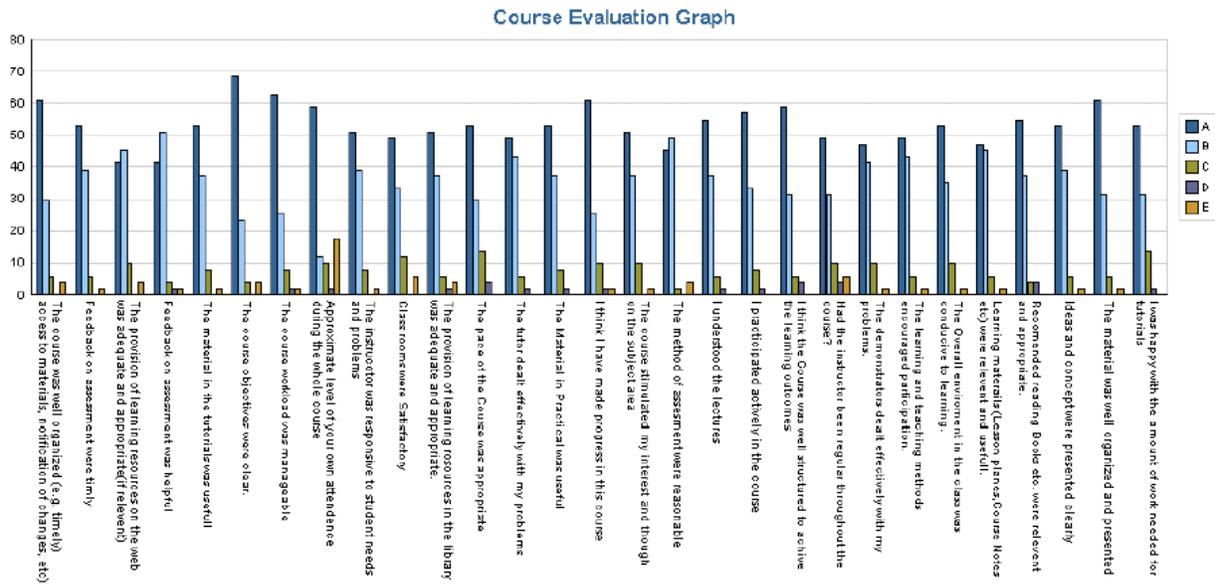
### Weaknesses:

- learning resources on web was not appropriate and adequate
- Class rooms were not satisfactory

### Mr. Hamza Rashid (CS-708)

The graph for “instructor was responsive to student needs and problems” shows that 52% are strongly agreed, 38% are agreed, 8% are uncertain and 2% are strongly disagreed. The graph for “The course objectives were clear” shows that 69% are strongly agreed, 25% are agreed, 3% are uncertain and 3% are disagreed. The graph for “Provision of learning resources in library was adequate and appropriate” shows that 51% are strongly agreed, 38% are agreed, 6% are uncertain, 2% are disagreed and 3% are strongly disagreed. The graph for “Course was well structured to achieve the learning outcomes” shows that 58% are strongly agreed, 32% are agreed, 6% are uncertain and 4% are disagreed.. The graph for “The Course workload was manageable”

shows that 62% are strongly agreed, 26% are agreed, 8% are uncertain, 2% are disagreed and 2% are strongly disagreed. The graph for “Instructor’s punctuality” shows that 49% are strongly agreed, 31% are agreed, 10% are uncertain, 4% are disagreed and 6% are strongly disagreed.



**General Comments of the Students about this Course**  
**Strengths:**

- Course Workload was manageable.
- Students have made good progress in this course.

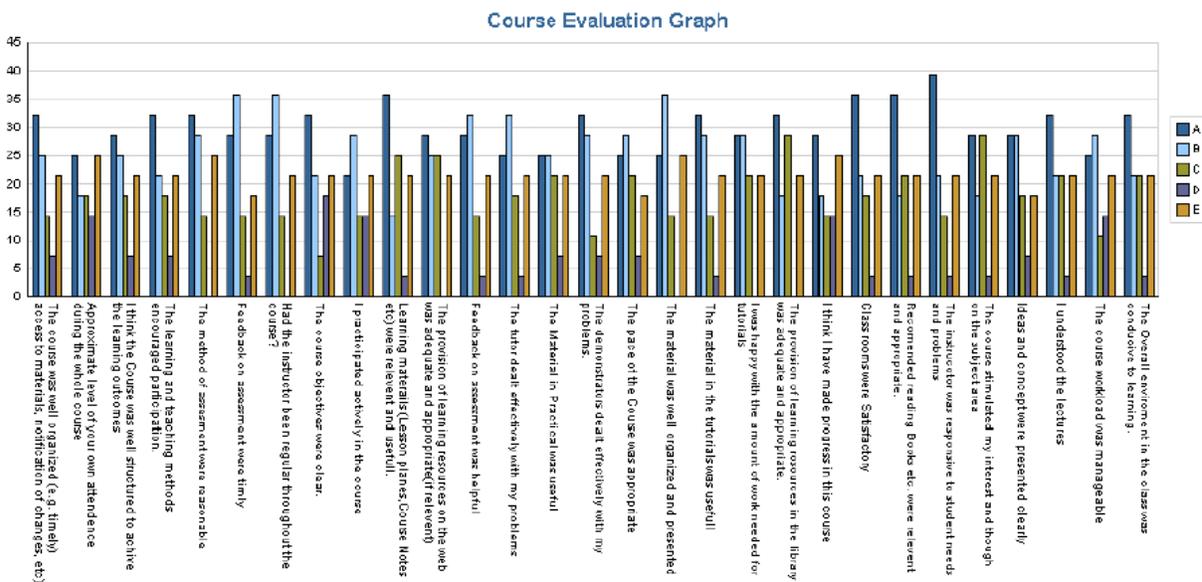
**Weaknesses:**

- learning resources on web was not appropriate and adequate
- Class rooms were not satisfactory

**Dr. Faraz Ahsan (CS-782)**

The graph for “instructor was responsive to student needs and problems” shows that 39% are strongly agreed, 23% are agreed, 14% are uncertain, 2% are disagreed and 22% are strongly disagreed. The graph for “The course objectives were clear” shows that 33% are strongly agreed, 22% are agreed, 8% are uncertain, 16% are disagreed and 21% are strongly disagreed. The graph for “Provision of learning resources in library was adequate and appropriate” shows that 33% are strongly agreed, 18% are agreed, 28% are uncertain and 21% are disagreed. The graph for “Course was well structured to achieve the learning outcomes” shows that 29% are strongly agreed, 25% are agreed, 18% are uncertain, 6% are disagreed and 22% are strongly

disagreed. The graph for “The Course workload was manageable” shows that 26% are strongly agreed, 28% are agreed, 10% are uncertain, 14% are disagreed and 22% are strongly disagreed. The graph for “Instructor’s punctuality” shows that 28% are strongly agreed, 37% are agreed, 14% are uncertain and 21% are strongly disagreed.



**General Comments of the Students about this Course Strengths:**

- Demonstrators dealt effectively with student’s problems.
- The Course stimulated student’s interest.

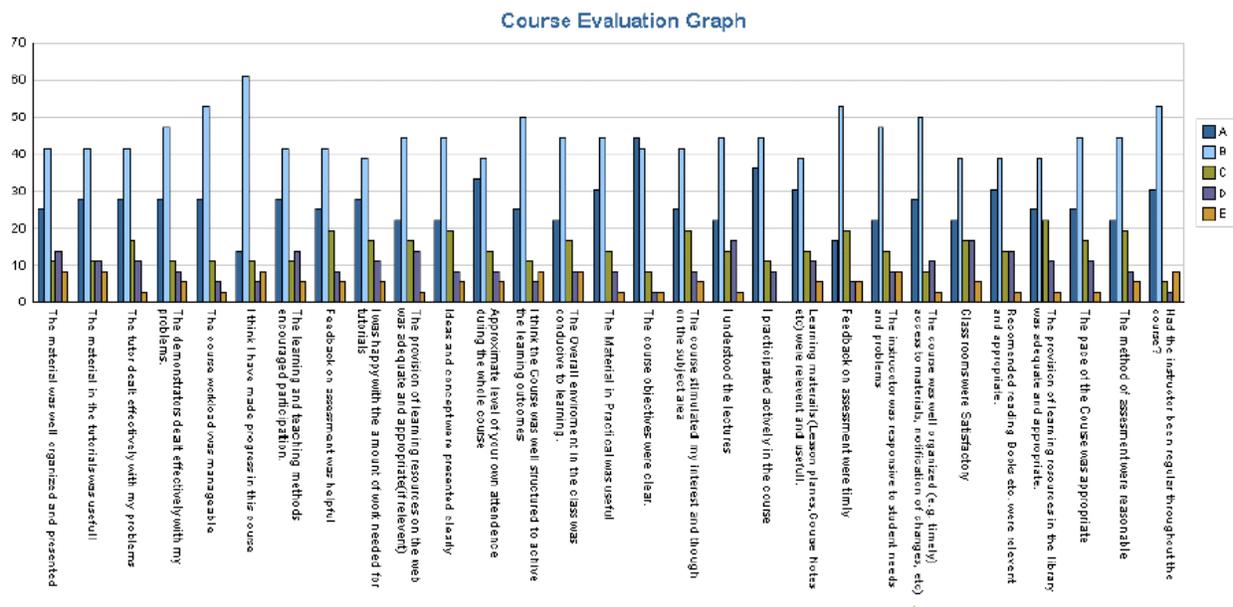
**Weaknesses:**

- Student’s attendance was not adequate.
- Recommended reading books were not relevant.

**Mr. Mushad Gilani (CS-772)**

The graph for “instructor was responsive to student needs and problems” shows that 52% are strongly agreed, 41% are agreed, 5% are uncertain and 2% are strongly disagreed. The graph for “The course objectives were clear” shows that 54% are strongly agreed, 35% are agreed, 9% are uncertain and 2% are strongly disagreed. The graph for “Provision of learning resources in library was adequate and appropriate” shows that 53% are strongly agreed, 31% are agreed, 12%

are uncertain, 2% are disagreed and 2% are strongly disagreed. The graph for “Course was well structured to achieve the learning outcomes” shows that 50% are strongly agreed, 44% are agreed, 2% are uncertain, 2% are disagreed and 2% are strongly disagreed. The graph for “The Course workload was manageable” shows that 50% are strongly agreed, 39% are agreed, 4% are uncertain and 7% are strongly disagreed. The graph for “Instructor’s punctuality” shows that 56% are strongly agreed, 34% are agreed, 8% are uncertain and 2% are strongly disagreed.



**General Comments of the Students about this Course Strengths:**

- Learning Material provided was useful
- Feedback was timely.

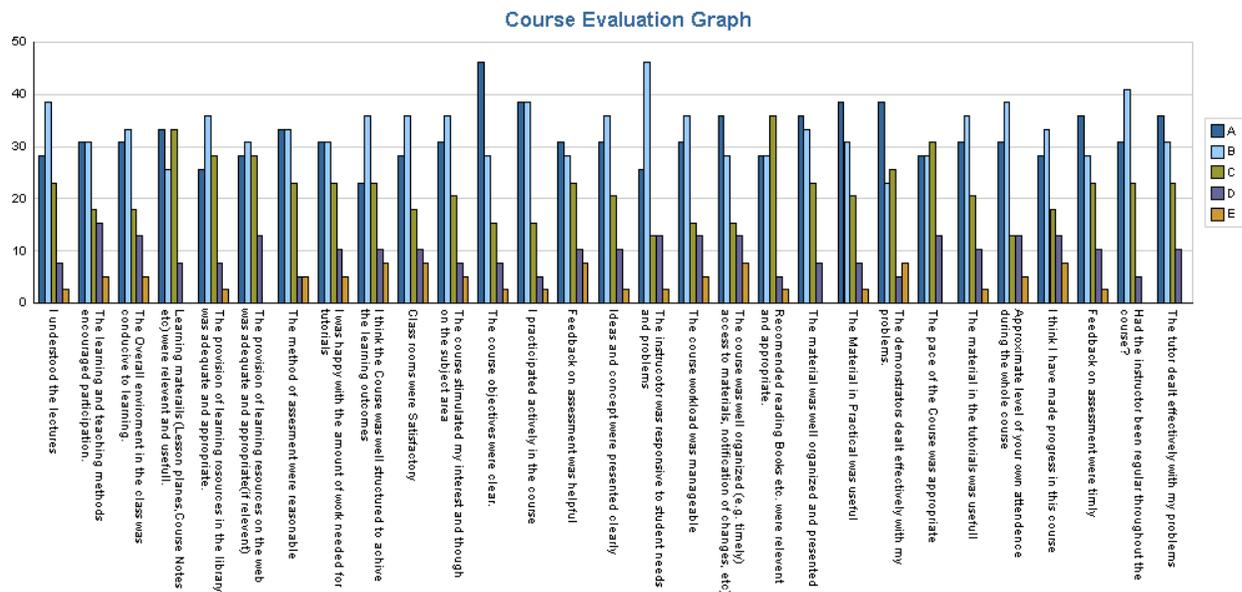
**Weaknesses:**

- Class rooms were satisfactory

**Mr. Muhammad Shabbir Hassan (CS-709)**

The graph for “instructor was responsive to student needs and problems” shows that 27% are strongly agreed, 47% are agreed, 12% are uncertain, 12% are disagreed and 2% are strongly disagreed. The graph for “The course objectives were clear” shows that 48% are strongly agreed, 29% are agreed, 15% are uncertain, 5% are disagreed and 3% are strongly disagreed. The

graph for “Provision of learning resources in library was adequate and appropriate” shows that 26% are strongly agreed, 37% are agreed, 28% are uncertain, 7% are disagreed and 2% are strongly disagreed. The graph for “Course was well structured to achieve the learning outcomes” shows that 23% are strongly agreed, 36% are agreed, 23% are uncertain, 11% are disagreed and 7% are strongly disagreed. The graph for “The Course workload was manageable” shows that 32% are strongly agreed, 36% are agreed, 13% are uncertain, 12% are disagreed and 7% are strongly disagreed. The graph for “Instructor’s punctuality” shows that 31% are strongly agreed, 42% are agreed, 22% are uncertain and 5% are disagreed.



**General Comments of the Students about this Course Strengths:**

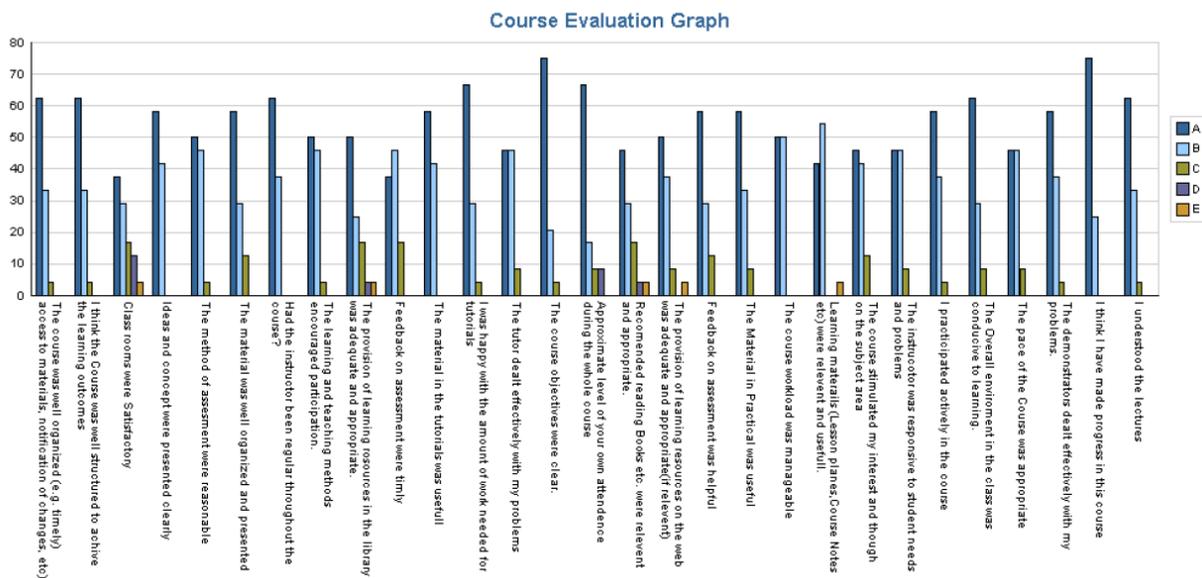
- Course objectives were very clear.
- Demonstrators dealt effectively with student problems.

**Weaknesses:**

- Course was not well organized.
- Class rooms were not satisfactory

## Asif Nawaz (ENG-715)

The graph for “Had the instructor been regular throughout the course ” shows that 62% are strongly agreed, 38% are agreed, 0% are uncertain, 0% are disagreed and 0% are strongly disagreed. The graph for “Course was well structured to achive the learning outcomes” shows that 62% are strongly agreed, 32% are agreed and 6% are uncertain 0% are disagreed and 0% are strongly disagreed. The graph for “Provision of learning resources in library was adequate and appropriate” shows that 50% are strongly agreed, 38% are agreed and 8% are uncertain 0% are disagreed and 4% are strongly disagreed. The graph for “The course objectives were clear” shows that 75% are strongly agreed, 18% are agreed, 04% are uncertain, 03% are disagreed and 0% are strongly disagreed. The graph for “The Course workload was manageable” shows that 50% are strongly agreed, 50% are agreed, 0% are uncertain, 0% are disagreed and 0% are strongly disagreed. The graph for “instructor was responsive to student needs and problems” shows that 45% are strongly agreed, 45% are agreed, 10% are uncertain and 0% are disagreed.



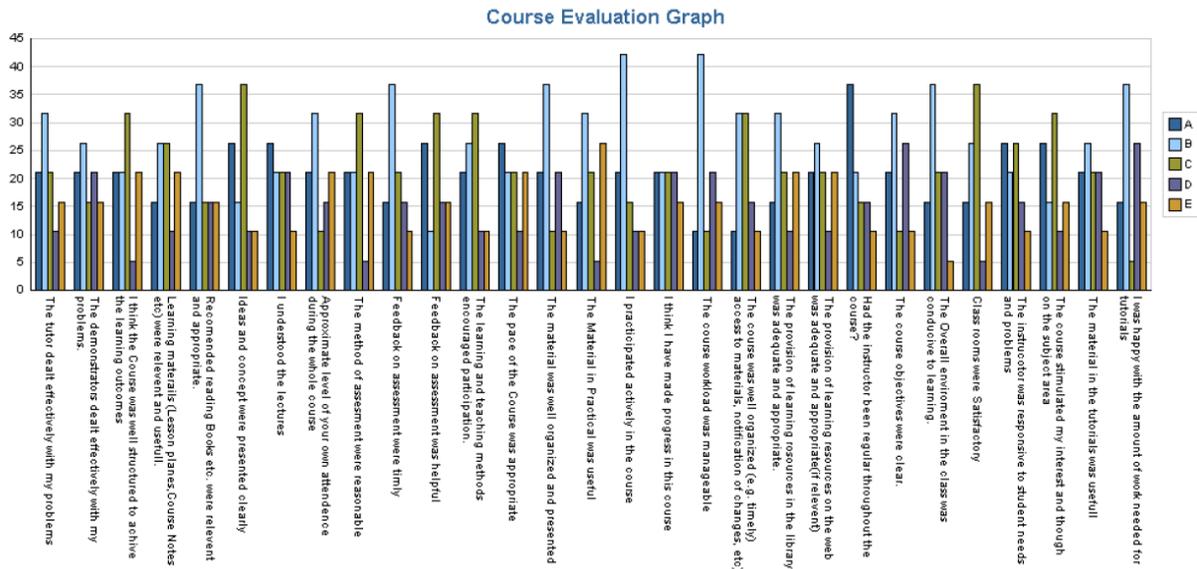
## **General Comments of the Students about this Course**

### **Weaknesses:**

- The course should include more modern knowledge and techniques.
- The course should be stimulated by interest and thought on subject area.

## Hajra Murtaz (CS-729)

The graph for “Had the instructor been regular throughout the course ” shows that 42% are strongly agreed, 41% are agreed, 8% are uncertain, 9% are disagreed and 0% are strongly disagreed. The graph for “Course was well structured to achieve the learning outcomes” shows that 35% are strongly agreed, 29% are agreed and 19% are uncertain 17% are disagreed and 0% are strongly disagreed. The graph for “Provision of learning resources in library was adequate and appropriate” shows that 26% are strongly agreed, 44% are agreed and 15% are uncertain 15% are disagreed and 0% are strongly disagreed. The graph for “The course objectives were clear” shows that 45% are strongly agreed, 25% are agreed, 25% are uncertain, 5% are disagreed and 0% are strongly disagreed. The graph for “The Course workload was manageable” shows that 31% are strongly agreed, 39% are agreed, 16% are uncertain, 14% are disagreed and 0% are strongly disagreed. The graph for “instructor was responsive to student needs and problems” shows that 35% are strongly agreed, 29% are agreed, 22% are uncertain and 7% are disagreed and 7% are strongly disagreed.



### **General Comments of the Students about this Course Strengths:**

- Proper materials for practical were available.
- The course includes modern knowledge and techniques.

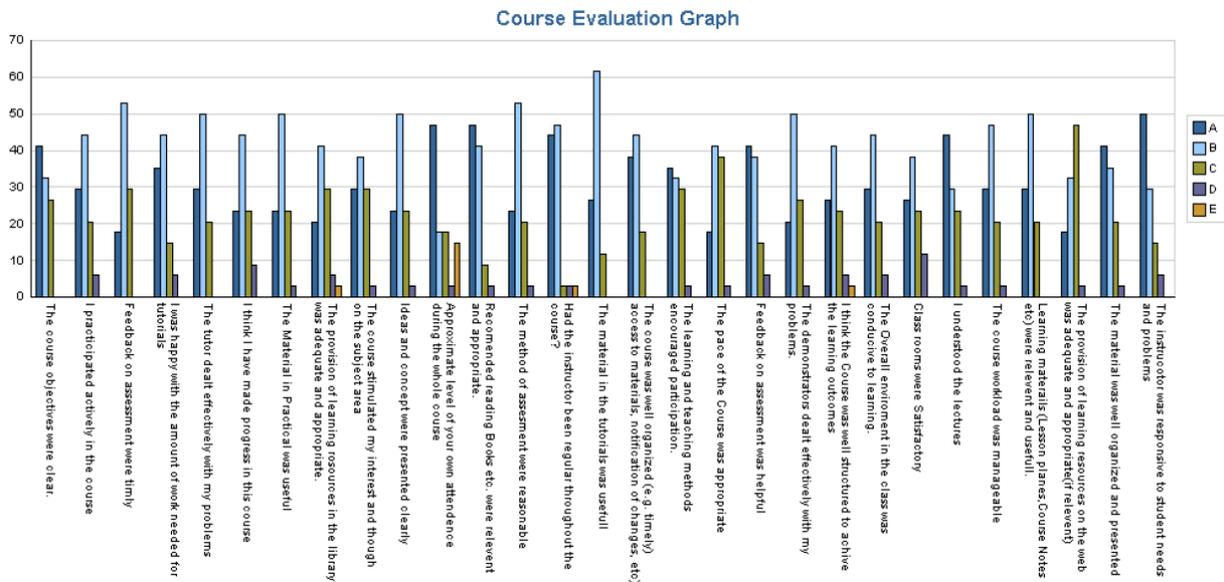
### **Weaknesses:**

- Learning environment and resources were not satisfactory.

- The course should be stimulated by interest and thought on subject area.

### Tariq Ali (CS-727)

The graph for “Had the instructor been regular throughout the course ” shows that 42% are strongly agreed, 44% are agreed, 5% are uncertain, 5% are disagreed and 4% are strongly disagreed. The graph for “Course was well structured to achive the learning outcomes” shows that 38% are strongly agreed, 42% are agreed and 20% are uncertain 0% are disagreed and 0% are strongly disagreed. The graph for “Provision of learning resources in library was adequate and appropriate” shows that 18% are strongly agreed, 32% are agreed and 48% are uncertain 2% are disagreed and 0% are strongly disagreed. The graph for “The course objectives were clear” shows that 39% are strongly agreed, 48% are agreed, 10% are uncertain, 3% are disagreed and 0% are strongly disagreed. The graph for “The Course workload was manageable” shows that 41% are strongly agreed, 31% are agreed, 25% are uncertain, 0% are disagreed and 3% are strongly disagreed. The graph for “instructor was responsive to student needs and problems” shows that 50% are strongly agreed, 29% are agreed, 15% are uncertain and 6% are disagreed.



### **General Comments of Students about this course:**

#### **Strengths :**

- Objectives well clear
- Reference material provided

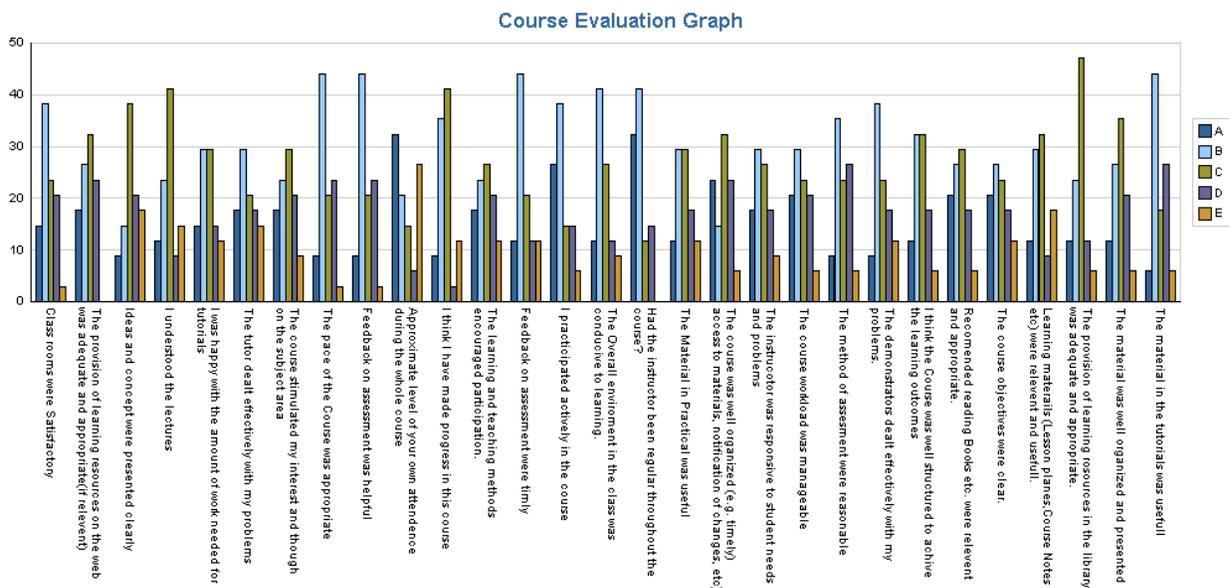
- Well organized material

**Weaknesses:**

- The demonstration should be more effective

**Jaffer Saqlain (CS-733)**

The graph for “Had the instructor been regular throughout the course ” shows that 32% are strongly agreed, 42% are agreed, 11% are uncertain, 15% are disagreed and 0% are strongly disagreed. The graph for “Course was well structured to achive the learning outcomes” shows that 23% are strongly agreed, 18% are agreed and 32% are uncertain 20% are disagreed and 7% are strongly disagreed. The graph for “Provision of learning resources in library was adequate and appropriate” shows that 12% are strongly agreed, 22% are agreed and 48% are uncertain 8% are disagreed and 10% are strongly disagreed. The graph for “The course objectives were clear” shows that 21% are strongly agreed, 26% are agreed, 24% are uncertain, 18% are disagreed and 11% are strongly disagreed. The graph for “The Course workload was manageable” shows that 21% are strongly agreed, 29% are agreed, 22% are uncertain, 20% are disagreed and 8% are strongly disagreed. The graph for “instructor was responsive to student needs and problems” shows that 18% are strongly agreed, 29% are agreed, 27% are uncertain and 18% are disagreed.



## **General Comments of Students about this course:**

### **Strengths :**

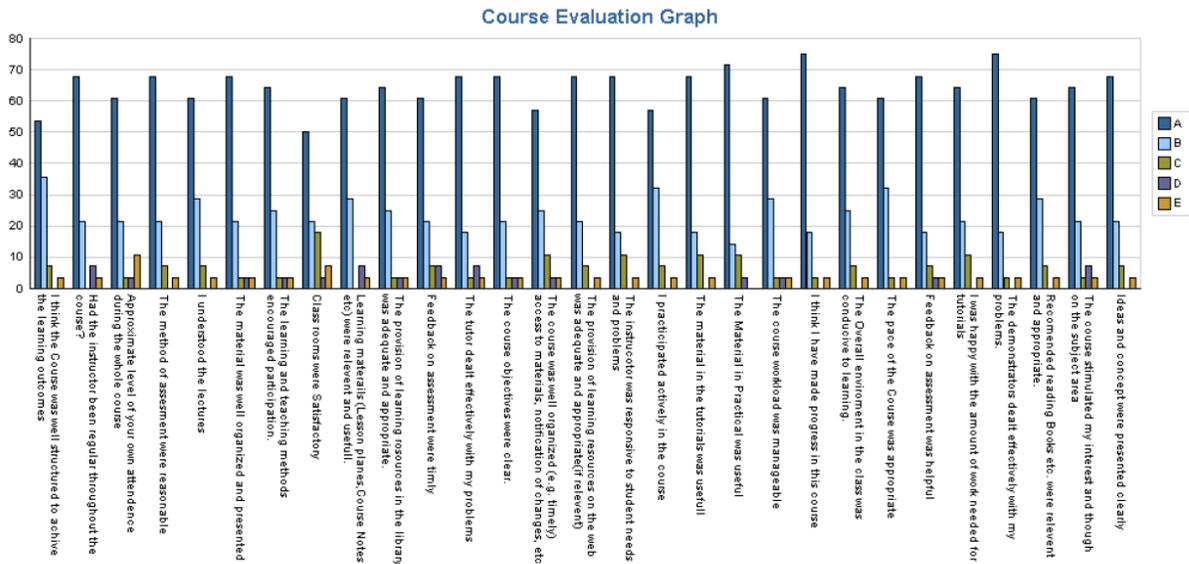
- Objectives well clear
- Reference material provided
- Well organized material

### **Weaknesses:**

- The demonstration should be more effective

### **Asif Nawaz (CS-745)**

The graph for “Had the instructor been regular throughout the course ” shows that 61% are strongly agreed, 29% are agreed, 3% are uncertain, 3% are disagreed and 4% are strongly disagreed. The graph for “Course was well structured to achieve the learning outcomes” shows that 55% are strongly agreed, 22% are agreed and 11% are uncertain 6% are disagreed and 6% are strongly disagreed. The graph for “Provision of learning resources in library was adequate and appropriate” shows that 62% are strongly agreed, 22% are agreed and 6% are uncertain 6% are disagreed and 4% are strongly disagreed. The graph for “The course objectives were clear” shows that 68% are strongly agreed, 21% are agreed, 4% are uncertain, 4% are disagreed and 3% are strongly disagreed. The graph for “The Course workload was manageable” shows that 61% are strongly agreed, 29% are agreed, 3% are uncertain, 3% are disagreed and 4% are strongly disagreed. The graph for “instructor was responsive to student needs and problems” shows that 68% are strongly agreed, 18% are agreed, 11% are uncertain and 3% are disagreed.

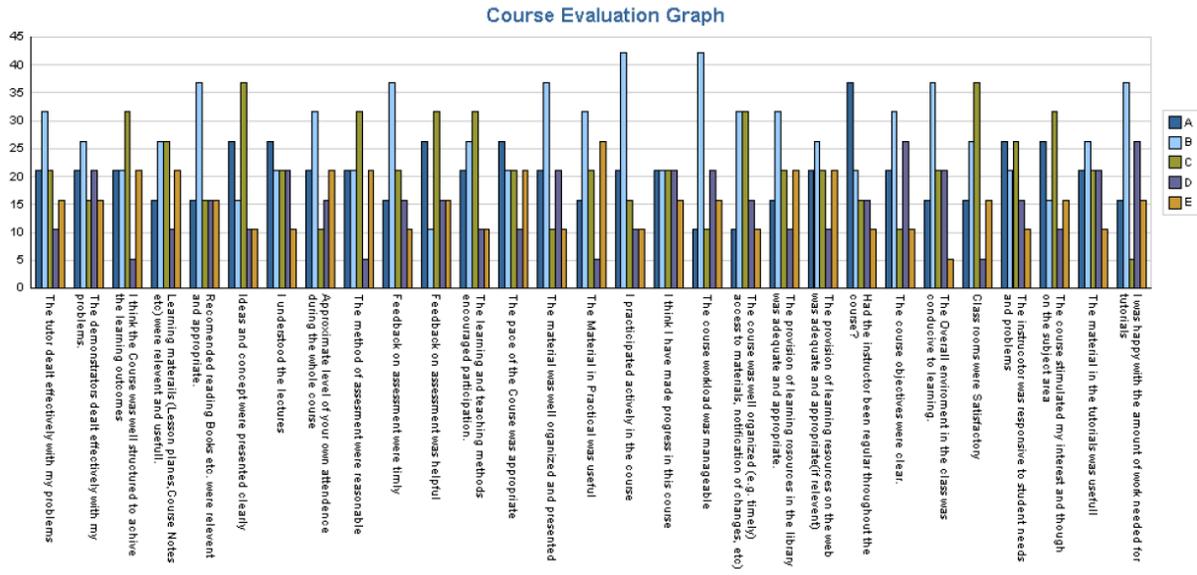


### General Comments of the Students about this Course Weaknesses:

- The course should include more modern knowledge and techniques.
- The course should be stimulated by interest and thought on subject area.

### Farrukh Mehmood (CS-783)

The graph for “Had the instructor been regular throughout the course ” shows that 26% are strongly agreed, 21% are agreed, 26% are uncertain, 16% are disagreed and 11% are strongly disagreed. The graph for “Course was well structured to achieve the learning outcomes” shows that 11% are strongly agreed, 31% are agreed and 31% are uncertain 21% are disagreed and 6% are strongly disagreed. The graph for “Provision of learning resources in library was adequate and appropriate” shows that 21% are strongly agreed, 26% are agreed and 21% are uncertain 11% are disagreed and 21% are strongly disagreed. The graph for “The course objectives were clear” shows that 21% are strongly agreed, 32% are agreed, 15% are uncertain, 26% are disagreed and 6% are strongly disagreed. The graph for “The Course workload was manageable” shows that 11% are strongly agreed, 42% are agreed, 10% are uncertain, 21% are disagreed and 12% are strongly disagreed. The graph for “instructor was responsive to student needs and problems” shows that 26% are strongly agreed, 21% are agreed, 26% are uncertain and 27% are disagreed.



### General Comments of the Students about this Course

#### Strengths:

- Proper materials for practical were available.
- The course includes modern knowledge and techniques.

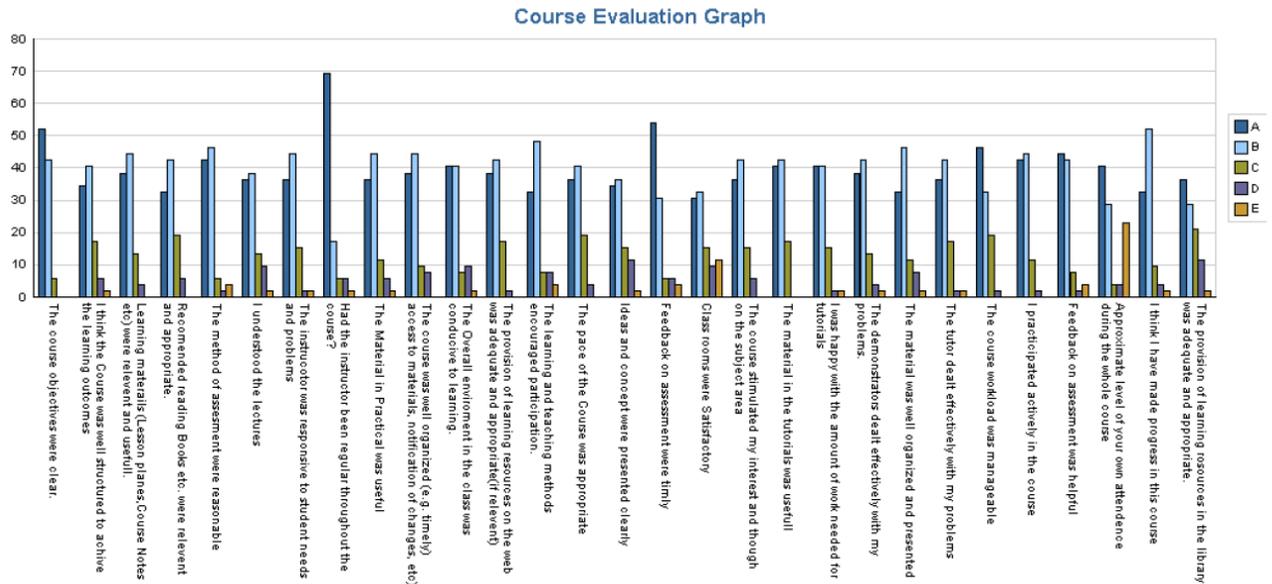
#### Weaknesses:

- Learning environment and resources were not satisfactory.
- The course should be stimulated by interest and thought on subject area.

### Majid Tahir (CS-701)

The graph for “Had the instructor been regular throughout the course ” shows that 69% are strongly agreed, 18% are agreed, 5% are uncertain, 5% are disagreed and 3% are strongly disagreed. The graph for “Course was well structured to achieve the learning outcomes” shows that 38% are strongly agreed, 42% are agreed and 10% are uncertain 10% are disagreed and 0% are strongly disagreed. The graph for “Provision of learning resources in library was adequate and appropriate” shows that 33% are strongly agreed, 29% are agreed and 21% are uncertain 11% are disagreed and 6% are strongly disagreed. The graph for “The course objectives were clear” shows that 52% are strongly agreed, 42% are agreed, 6% are uncertain, 0% are disagreed and 0% are strongly disagreed. The graph for “The Course workload was manageable” shows that 46% are strongly agreed, 31% are agreed, 19% are uncertain, 4% are disagreed and 0% are

strongly disagreed. The graph for “instructor was responsive to student needs and problems” shows that 38% are strongly agreed, 42% are agreed, 13% are uncertain and 7% are disagreed.



**General Comments of Students about this course:**

**Strengths :**

- Objectives well clear
- Reference material provided
- Well organized material

**Weaknesses:**

- The demonstration should be more effective

**Alumni Survey Results**

The students after MCS usually join organizations like software house, telecom companies, school, colleges and few adopted higher education and then came toward the research field. So Performa 7 was sent to the organizations and feedback was collected.

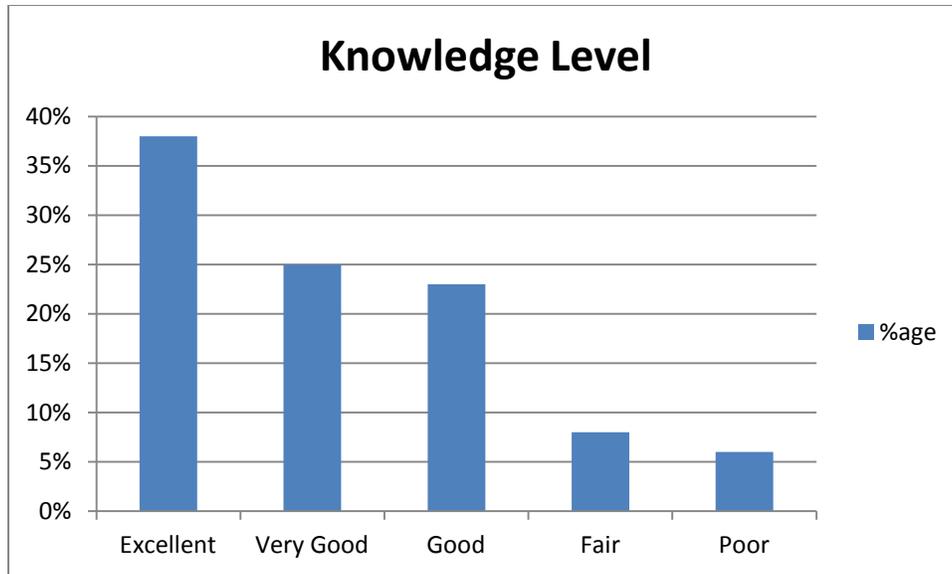


Figure 2: Result of Alumni Survey

The 38% alumni are of the view that MCS graduates have excellent knowledge, 25% are of the view that they have very good knowledge, 23% view that knowledge is good, 8% are of the view that their knowledge is fair and only 6% are of the view that their knowledge is poor. The graph regarding communication skills show that 38% are excellent, 30% are very good, 21% are good, 4% are fair and 7% are poor. According to interpersonal skills graph, 36% are excellent, 26% are very good, 21% are good, 13% are fair and 4% are poor. The graph of management/leadership skills shows that 40% are excellent, 26% are very good, 18% are good, 10% are fair and 6% are poor. The detail graphs of individual parameters are given below

### **Skills of Students as MCS graduates**

The students are capable to work in any software house and telecom industry because they have the latest knowledge and ability to work with advanced tools and techniques. The students have also the knowledge to conduct research in any field of computer science and to teach in any academic institute as well.

### **Survey of Graduating Students**

A survey is conducted for the students of last semester and feedback is collected on Performa 3. The results are summarized. A set of questions is present in the Performa 3. The graph from the summarized results shows that 48% students are very satisfied from program, 31% are satisfied, 10% are dissatisfied, and 11% are very dissatisfied.

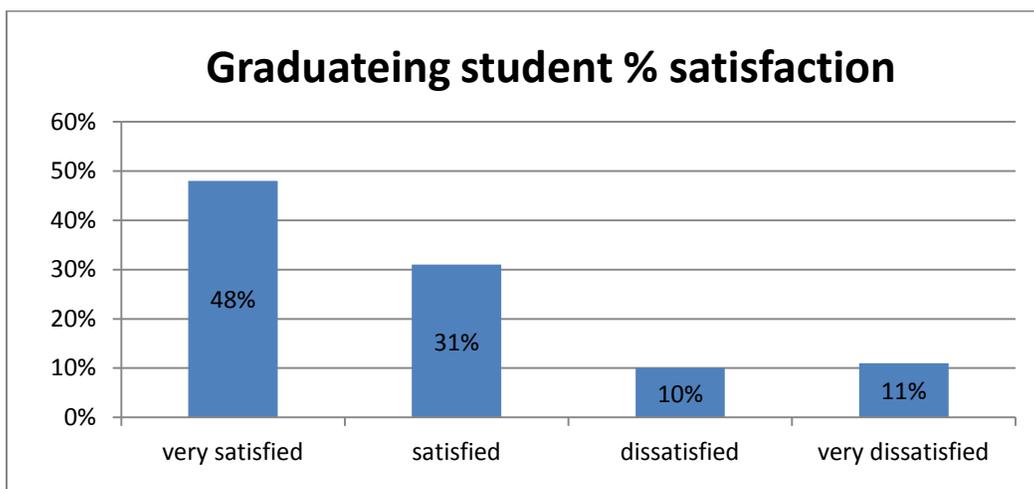


Figure 3: Survey of Graduating Students

#### **Best Aspects of the Program:**

- Qualified faculty
- The students have the ability to work with lots of pressure
- Introduction to the new technologies, tools and equipments
- The environment is conducive to learning

#### **Weaknesses:**

- Not sufficient number of regular faculty members therefore, the institute is dependent on visiting faculty
- More lab time and practical work should be provided to the student which should be independent of the timetable and they can work in expedient mode.
- The curriculum needs to be updated

**Standard 1-3: The results of the program's assessment and the extent to which they are used to improve the program must be documented.**

#### **Strengths of Program/Institute**

The course curriculum is well designed. The institute has hired new qualified faculty members to meet the needs of the students. The students are able to work within the teams. The environment is conducive for learning that's why there is an introduction of advanced technologies along with their tools and equipments to the students

#### **Weakness of Program/Institute**

The weaknesses in the program are that there should be less independence on the visiting faculty. The course curriculum is designed very well, but still it needs to be updated. More time should be given to the students for practical work independently of the timetable so that they can learn and implement the expressions easily. There should be some appropriate sitting place in the campus for students.

**Standard 1-4: The institute must assess its overall performance periodically using quantifiable measures.**

As the MCS program is not a research oriented program, but at MS levels, students along with the faculty have published their research papers in the leading research Conferences and Journals. The detail is present in the faculty resume.

#### **Community Service provided by the institutes:**

Although right now there is no such mechanism to provide technical support to the local community but UIIT faculty was actively involved in establishing the lab in schools in remote areas under the Chief Minister Punjab program.

The institute has a plan to establish a wing which will provide support to different organization which is helping local community free of cost.

**Table 3: Performance measures for research activities**

<b>Faculty</b>	<b>Publications in Journals</b>	<b>Publications in proceedings/abstracts</b>	<b>Research Projects</b>
Dr. Sohail Asghar	9	20	4
Ms. Aisha Umair	-	-	-
Mr. Syed Mushadd Gillani	-	6	-
Ms. Bushra Hamid	-	3	-
Mr. Yasir Hafeez	-	8	1
Mr. Nasir Mehmood Minhas	6	8	1
Ms.Hajra Murtaza	1	3	-
Mr.Asif Nawaz	-	-	-
Ms. Rubina Ghazal	-	-	-
Mr. Muhammad Shabbir Hassan	1	3	1
Mr.Tariq Ali	1	8	-
Mr.Saqib Majeed	1	2	-
Mr.Saleem Iqbal	6	3	-
Mr.Ehtsham Azhar	1	-	-
Mr. Saif Ur Rehman	5	5	3
Ms.Sarfaz Bibi	-	1	-
Ms.Hina Gul	-	-	-
Mr.Jaffer Saqlain Naqvi	-	-	-
Mr Shabbir Hassan	1	3	1

## Future Plans

The Management of UIIT has planned a number of research studies and practical work in future deal with the issues of computer science and information technology as according to the requirement of HEC.

**Table 4: Quantitative assessment of the department**

<b>Sr. #</b>	<b>Particular</b>	<b>No.</b>	<b>Remarks</b>
I	MCS degree awarded	135	For the year 2012 and 2014
ii	MS (CS) degree awarded	45	For the year 2012 and 2014
iii	Ph.D. degree awarded	-	--
iv	Post-Doc fellowship	-	--
V	Students: Faculty ratio	-	1:32
vi	Technical: Non-technical Ratio	-	Fulfils HEC criteria

### Employer Survey

A survey has been conducted and feedback has been collected on Performa 8 from the employees where students have MCS degree from UIIT are working. The results are summarized in the figure given below.

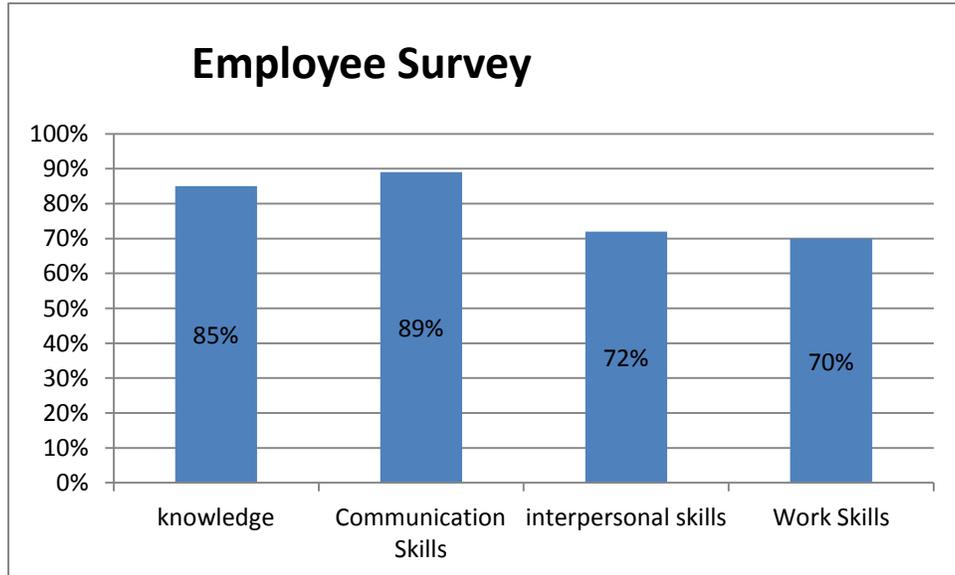


Figure 4: Employee Survey for Determining the Student's Skill Level

The graph shows the employees view regarding the students. The 85% students have enough knowledge regarding their field. The 89% have communication skills to communicate with the people of their own field. The 72% students have Interpersonal skills and 70% students have work skills related to the field. All the employees were of the view that the students have potential and they can be more productive.

## CRITERION 2: CURRICULUM DESIGN AND ORGANIZATION

### **Degree Title: MCS Master in Computer Science**

#### **Intent:**

All the courses for degree program are developed by a committee constituted by the Higher Education Commission, Pakistan. The committee consists of experts and learned professors, subject matter specialists from other universities and research organizations from Pakistan. When and if needed, curriculum for the University Institute of Information Technology is revised/updated through different bodies. At institutional level, Board of Studies, which comprised of senior faculty members, is responsible for updating the curriculum. This body is authorized to formulate a syllabus and course content. The Director of UIIT is the convener of this body. As per university rules courses after the approval from the UIIT Board, are placed before the University Academic Council for their approval.

#### **Definition of Credit Hour**

A student must complete a definite number of credit hours. One credit hour is one theory lecture or two hours laboratory (practical/week). One credit hour carries 20 marks.

#### **Degree plan**

Presently five degree programs are organized by the University Institute of Information Technology. The MCS degree program consists of 2 academic years/ 4 semesters.

**Standard 2-1: The curriculum must be consistent and support the program's documented objectives.**

The table given below shows the list of courses those are consistent with the programs objectives.

**Table 5: Courses versus Outcomes**

Courses	Outcomes					
	1	2	3	4	5	6
CS-701, CS-727, CS-783, CS-793	+++	+	++	++	+++	+
CS-708, CS-729, CS-745, CS-772, CS-733	+++	++	++	+	++	++
CS-709, CS-724, CS-774, CS-704, CS-784, CS-798	+++	++	++	+	++	++
CS-737, CS-763, CS-782, CS-771	+	+	++	++	++	+++
ENG-705, ENG-715	++	++	+	++	++	+++

+ = Moderately Satisfactory

++ = Satisfactory

+++ = Highly Satisfactory

### **Assessment of MCS Curriculum**

The assessment of the MCS degree program is shown in tabulated form which indicated that contribution of each course for the program outcomes.

- It contains the introductory computing course, middle level course and advanced computing courses.
- It contains mathematical courses which help in designing the mathematical modeling and developing numerical solutions.
- It contains the management and business courses to give students a flavor of business infrastructures.

**Standard 2-2: Theoretical backgrounds, problem analysis and solution design must be stressed within the program's core material.**

**CRITERION 3: LABORATORIES AND COMPUTING FACILITIES**

**Table 6: Laboratory Facility**

Size of campus (in kanals)	9.3 kanals	
Covered area (sq ft)	51,165 sq ft	
Sizes of lecture rooms	Class Room 30' x 40'	Lecture Theater 30' x 50'
Instructional facilities provided in lecture rooms	Multimedia White Board	Overhead Projectors Sound System
General computing lab facilities: total number of PCs and lab hours	Approximately 100 hours Per Day Total PCs in Labs: 285 Labs Open: 8:00 am – 9:00 pm	
Nature and level of networking	Fiber Optic based Campus Wide LAN, Point to Point connectivity using fiber optic with 60MB of bandwidth.	
Specialized lab facilities and hours of their availability	CISCO (Router/Switch) GIS(Plotter/Scanner) DLD(Trainer/Oscilloscope) PhD Lab (1)	Linux Lab Teaching Lab Project Lab The labs are open almost the whole day from 8:00 am to 9:00 pm

Student-to-computer ratio	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-14
	2.1:1 (309:150)	2:1 (352:150)	1.3:1 (324:260)	1.4:1 (372:260)	1.2:1 (352:285)	1.3:1 (383:285)	1.2:1 (390:285)	2:1 (410:285)
Average lifetime of a PC in computing labs	3 to 4 years							
Library information	Area (sq ft)	Automated	Total Books	Total Computer	Total Journals	IEEE (Give full)	ACM (Give full)	
	1020	Automated	3604 In addition to university main library resources	2700	8 Journals	UIIT has an access to digital library services being extended by HEC		

**Table 6: Laboratory Facility**

**Standard-3.1: Laboratory manuals/documentation/instructions for experiments must be available and daily accessible to faculty and students.**

Laboratory manuals for the entire practical subject are prepared and distributed among students. Manuals are present at the institute in the soft form.

**Standard-3.2: There must be support personal for instruction and maintaining the laboratories.**

There are enough number of people to support students and maintaining the laboratories. Detail is given below:

Computer Lab support staff:	15
Multimedia Projector Count:	18
Over Head Projectors Count:	7
E-learning Facility: Video Conferencing, Digital Library	
Total Lab Computers:	285
Total No. of Labs:	8

**Standard-3.3: The University computing infrastructure and facilities must be adequate to support program's objectives.**

The UIIT provides enough computing facilities for students in the Lab. The total numbers of computers available for students use in multiple labs are 285 in 8 labs.

A student to computer ratio maintained in the year 2011-2012 is 1:2. The detailed information is presented in table 6.

## **CRITERION 4: STUDENT SUPPORT AND ADVISING**

Our University organizes support programs for students and provide information regarding admission, scholarship schemes etc. Institute in its own capacity arranges orientation and guided tours of the institute. Director Students Affairs is also there and arranges various cultural activities and solves the students' problems. However currently there is no Parent/Teacher association.

### **Standard-4.1: Courses must be offered with sufficient frequency and number for students to complete the program in a timely manner.**

Courses are taught as per HEC criteria.

- At undergraduate level subjects/courses are offered as per the scheme of study provided by the HEC and approved by Academic Council. Postgraduate level courses are however offered according to the availability of the teacher and a number of students.
- Elective courses are offered as per policy of HEC and the University.
- For postgraduate programs, a variety of courses are offered according to demand of the profession

### **Standard-4.2: Courses in the major area of study must be structured to ensure effective interaction between students, faculty and teaching assistants.**

Both theoretical and practical aspects are focused to prepare the students for professional challenges. Theoretical problems are explained and assignments are given to the students whereas, practical are carried out in the labs. Courses are structured and decided by the board of studies meeting. At commencement of each semester, faculty members interact frequently among themselves and with students. Students are welcome to ask questions in class and even after the class. Emphasis is always given for an effective interaction between each section of MCS class.

**Standard-4.3: Guidance on how to complete the program must be available to all students and access to qualified advising must be available to make course decisions and career choices.**

Several steps have been taken to provide guidance to students by different ways such as:

- Students are informed about the program requirement through the director's office.
- Through the personal communication of the teachers with the students.
- Meetings are organized by the director of the institute for counseling for the students. In addition, students can also contact with the relevant teachers whenever they face any problem.
- Students can meet director of the institute whenever they feel need to meet on any serious issue.

Realizing the need for exploring job opportunities for the university graduates, Directorate of Placement Bureau has been established

**Table 7: Student to Teacher Ratio at UIIT**

<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-14</b>
1:23	1:27	1:30	1:60

## CRITERION 5: PROCESS CONTROL

It includes students' admission, registration and faculty recruitment activities, which are dealt by various statutory bodies and the university administration.

**Standard-5.1: The process by which students are admitted to the program must be based on quantitative and qualitative criteria and clearly documented. This process must be periodically evaluated to ensure that it is meeting its objectives.**

- The process of admission is well established and is followed as per rules and criteria set by HEC. For this purpose an advertisement is published in the national news papers by the Registrar office.
- Admission criteria is to have passed the Bachelor Degree Examination with at least second division or overall 45% Marks from a University recognized by the higher Education Commission (HEC), in Mathematics, Physics, Chemistry, Engineering, Computer Science, Commerce, Statistics, Economics, and Business Administration.
- Admission will be on open merit basis
- Admission criteria are revised every year before the announcement of admission.

**Standard-5.2: The process by which students are registered in the program and monitoring of students progress to ensure timely completion of the program must be documented. This process must be periodically evaluated to ensure that it is meeting its objectives.**

- The student name, after completion of the admission process, is forwarded to the Registrar office for proper registration in the specific program and the registration number is issued to the student.

- Registration is done for one time for each degree but evaluation is done through the result of each semester. Only those students, who fulfill the criteria of the University, are promoted to the next semester.

**Standard-5.3: The process of recruiting and retaining highly qualified faculty members must be in place and clearly documented. Also processes and procedures for faculty evaluation, promotion must be consistent with institution mission statement. These processes must be periodically evaluated to ensure that it is meeting with its objectives.**

- The recruitment policy followed by the University is the same as recommended by the HEC. Induction of all posts is done as per rule.
- Vacancies and newly created positions are advertised in the national newspapers, applications are received by the Registrar's office, scrutinized by the scrutiny committee, and call letters are issued to the shortlisted candidates on the basis of experience, qualification, publications and other qualities/activities as determined by the University.
- The candidates are interviewed by the University Selection Board, and Principal and alternate candidates are selected.
- Selection of candidates is approved by the Syndicate for issuing orders to join within a specified period.
- Induction of new candidates depends upon the number of approved vacancies.
- The standard set by HEC are followed.
- At present, no procedure exists for retaining highly qualified faculty members. However, the revised pay scale structure is quite attractive.
- HEC also supports the appointment of highly qualified members as foreign faculty Professors, National Professors and deports them to the concerned institutes of the University.

**Standard 5-4: The process and procedures used to ensure that teaching and delivery of course material to the students emphasizes active learning and that course learning outcomes are met. The process must be periodically evaluated to ensure that it is meeting its objectives.**

- To provide high quality teaching, Institute periodically revises the curriculum in views of field requirements, innovations and new technology.
- With the emergence of new fields, new courses are introduced and included in the curriculum.
- Students usually buy cheap Asian editions of technology books. These are also available in the University library, where documentation, copying and internet facilities are available.
- Notes are also prepared by the teachers and given to the students.
- Most of the lectures are supplemented by overheads, slides and pictures.
- All efforts are made that the courses and knowledge imparted meet the objectives and outcome. The progress is regularly reviewed at the staff meetings.

**Standard 5-5: The process that ensures that graduates have completed the requirements of the program must be based on standards, effective and clearly documented procedures. This process must be periodically evaluated to ensure that it is meeting its objectives.**

The controller of examinations announces the date regarding commencement of examination. After each semester, the controller's office notifies results of the students. The evaluation procedure consists of quizzes, mid and final examinations, practical, assignments, reports, oral and technical presentations. For MCS, the minimum pass marks for each course is 40%.

## CRITERION 6: FACULTY

**Standard 6-1: There must be enough full time faculty who are committed to the program to provide adequate coverage of the program areas/courses with continuity and stability. The interests and qualifications of all faculty members must be sufficient to teach all courses, plan, modify and update courses and curricula. All faculty members must have a level of competence that would normally be obtained through graduate work in the discipline. The majority of the faculty must hold a Ph.D. in the discipline.**

Below is the detail of faculty members at UIIT for the MCS program.

### A. Full-time Faculty Information

**Table 8: Full Time Faculty Members at UIIT**

Full-time Faculty Size	Number of faculty members with		Full Professors	Associate Professors	Assistant Professors	Lecturers	Teaching Assistants/Fellows
	PhD	MS					
15	1	14	0	01	06	08	-

### B. Part-time Faculty Information

**Table 9: Part Time Faculty Members at UIIT**

Part-time Faculty Size	Number of Part-Time Faculty Members with		Total Number of Courses Offered by the Institute	Number of Courses Taught by Part-Time Faculty per Year	Average Teaching Load per Part-Time Faculty Member
	PhD	MS			
(Fall-12)	05	50	48	24	1:2
(Spring-	07	53	38	24	1:1.58

14)					
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The entire faculty members are hired on the basis of the degree offered by the institute. As there is no specialization offered in degree's the student enrolled get similar degree. So there is no distribution of faculty in all programs with respect to specialization.

**Standard 6-2: All faculty members must remain current in the discipline and sufficient time must be provided for scholarly activities and professional development. Also, effective programs for faculty development must be in place. Effective Programs for Faculty Development**

- The faculty members are sent to the training for the available resourced. Currently many faculty members are studying in Pakistan and abroad in MS and PhD level studies.
- The institute provides them study leave with pay and some time allowance where possible for the institute.
- Internet is available to all the faculty members. The faculties also have access to the digital library and limited access to some well known journals.
- The institute provides support for attending conferences through HEC. There are certain policy matters which a faculty members need to follow in order to get a positive feedback from the institute for travel grants for the conference.
- The university provides a certain amount of innovative research ideas to the faculty members.

**Standard 6-3: All faculty members should be motivated and have job satisfaction to excel in their profession.**

The faculty members are not fully satisfied with the workload and the amount they get in the form of salary. Most of the faculty members are satisfied with the mix of research and teaching method. The faculty members are satisfied with the support they are getting from the administration regarding the research and teaching. The faculty members are satisfied with overall climate of the institute. Not all the faculty members are satisfied with the job security. Most of the faculty members are satisfied that the institution is utilizing their capabilities in the

good way. The faculty should be encouraged to continue excelling through the career. A table of Results of faculty Survey is at next Page. (Table 13 Result of Faculty Survey)

S. No	Parameters	Dr. Sohail Asghar	Saqib Majeed	Nasir Minhas	Dr. Faraz Ahsen	Ms. Saleem Iqbal	Asif Nawaz	Mr. M. Jafer	Ms. Busra Kiani	Mr. Yasir hafeez	Mr. Shabir Hassan	Mr. Tariq Ali	Mr. EhtshamAzhar	Sarfraz Bibi	Mr. Syed Mushhad Gillani
1	Your mix of research, teaching and community service	A	A	B	B	C	A	B	C	B	B	B	B	B	B
2	The intellectual stimulations of your work.	B	B	B	B	C	B	B	B	B	A	A	A	B	C
3	Type of teaching /research you currently do.	A	B	A	B	C	A	B	B	A	A	B	B	B	B
4	Your interaction with students.	B	A	A	B	B	A	B	B	B	B	A	A	B	B

5	Cooperation you receive from colleagues.	B	B	A	B	B	B	C	B	A	A	B	B	B	B
6	The mentoring available to you.	B	B	B	B	C	B	B	C	B	B	B	C	C	B
7	Administrative support from the department.	A	A	B	C	A	B	B	B	D	D	D	D	A	B
8	Providing clarity about the faculty promotion process.	C	A	C	C	A	C	D	C	D	D	D	D	D	C
9	Your prospects for advancement and	C	A	C	C	B	B	C	B	B	B	B	B	C	D

	progress through ranks.														
10	Salary and compensation package.	B	B	B	C	C	C	B	B	D	D	E	E	D	D
11	Job security and stability at the department .	B	A	B	B	B	C	B	B	A	A	D	D	C	B
12	Amount of time you have for yourself and family.	C	B	C	B	D	B	B	B	B	B	D	D	D	B
13	The overall climate at the department .	B	B	B	B	C	B	B	B	B	C	B	B	B	B
14	Whether the	C	B	A	C	B	B	B	B	B	B	B	B	B	B

	department is utilizing your experience and knowledge														
15	What are the best programs / facts currently available in your department that enhance you motivation and job satisfaction	The MS Program and BS CS Program	Administrative Support.	MS (CS), BS (CS)	MS and BS CS Program	-	-	NIL		NIL	NIL	NIL	NIL	NIL	NIL
16	Suggest programs/factors that could improve your motivation and job	It is better to offer new courses in the	NIL	More research oriented programs should	NIL	Justified workload +	-	NIL	Different workshop related to IT should be	NIL	NIL	NIL	NIL	NIL	NIL

	satisfaction ?	existi ng progr ams		be offered		Time for researc h  +  Better workin g enviro nment			organiz ed.						
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## CRITERION 7: INSTITUTIONAL FACILITIES

According to this criterion, the institution must have the infrastructure to support new trends in learning such as e-learning including digital publications, journals etc.

- The library must possess an up-to-date technical collection relevant to the program and must be adequately staffed with professional personnel. Insufficient library's technical collection of books. Recommended books and relevant journals of the programs are not available to the students.
- These aspects need to be strengthened in number and space.
- Classrooms must be adequately equipped and offices must be adequate to enable faculty to carry out their responsibilities.
- The standard wise description of this criterion is given an under

### **Standard- 7.1: The institution must have the infrastructure to support new trends in learning such as e-learning.**

The university faculty has access to e-library and internet which is very supportive of the faculty. But faculty facing certain problems like

- Repeatedly power failure during the labs
- Faculty don't have access to many well known journal those are relevant to the field.

### **Standard- 7.2: The library must possess an up-to-date technical collection relevant to the program and must be adequately staffed with professional personnel.**

The University Central Library has very limited number of books, journals and periodicals. It's a small library in term of space and facilities with no catalogue systems. It does not meet the standards of a University Library. The institute has its own small library which has computer science related books. But this library also lacks the book related to the latest field and the field in which currently latest results are being conducted.

**Standard- 7.3: classrooms must be adequately equipped and offices must be adequate to enable faculty to carry out their responsibilities.**

- The office environment is not comfortable to work at all during the summer.
- Classrooms have a limited size white board which ends after writing for a few minutes.
- Because of the fans, teacher keeps on speaking and voice don't reach ahead of 2<sup>nd</sup> or 3<sup>rd</sup> row in summer, so something should be done to replace fans with air conditions.

## CRITERION 8: INSTITUTIONAL SUPPORT

The university administration has been struggling hard to strengthen all the departments/institutes, upgrade them and establish new faculties and Institutes. The university is also trying to attract highly qualified faculty.

**Standard 8-1: There must be sufficient support and financial resources to attract and retain high quality faculty and provide the means for them to maintain competence as teachers and scholars.**

At present institute is having a very meager financial resource to maintain the present needs of the institute. Individual research grants for students and faculty are mainly supporting the institutional research activities. There is a dire need for increasing the financial resources allocated to the institute to establish a institutional library, laboratories and computer facilities.

**Standard 8-2: There must be an adequate number of high quality graduate students, research assistants and Ph.D. students.**

Below is the list of students in the MCS program over past ten years. UIIT is not accredited or a PhD Degree. Teaching Assistant positions are not available for UIIT.

**Table 11: Number of students enrolled in MCS in last ten years**

2009-10	2010-11	2011-12	2012-14
97	100	289	240

**Standard- 8.3: Financial resources must be provided to acquire and maintain library holdings, laboratories and computing facilities.**

Following is the detail of the institution's budget for maintenance, library holdings, laboratories, computing facilities and faculty development.

**Table 12: Financial Information about the institution and the Program**

<b>Total assets of the institution</b>	PMAS-AAUR is a public sector University and UIIT is a constituent part of the university -- it is relatively hard to determine the exact value of its assets.								
<b>Total endowment fund of the institution</b>									
	<b>2001-02</b>	<b>2002-03</b>	<b>2003-04</b>	<b>2004-05</b>	<b>2005-06</b>	<b>2006-07</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>
<b>Yearly budget for the past five years</b>	- Funded through Most projects	11.933M		16.425 M	18.105M	18.241 M	13.107 M	24.584 M	25.409 M
<b>Institution's yearly budget for research and faculty development for the past five years</b>	1.903M	0.80M	1.5M	1.0M	2.0M	2.0 M	1.049 M	1.168M	2.25M
<b>Institution's yearly budget for library</b>	Ministry of Science & Technology had sponsored the	0.400M		0.600 M	0.400M	0.300M	0.350M	0.350M	0.400M

	establishment of this institute through a development project of Rs 27.96 M -- all such expenditures for two years were met through that project.								
<b>Institution's yearly budget for computing facilities</b>	As Above	0.560M	1M	0.300M	0.300M	0.150M	0.400M	0.400M	
<b>Total working capital of the institute/school/college that offers the program</b>									
	<b>2003-04</b>	<b>2004-05</b>	<b>2005-06</b>	<b>2006-07</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-2011</b>	<b>2012-14</b>
<b>The yearly budget of the institute/school/college that offers the program</b>	<b>As Above</b>								

<b>Institute/school/college's yearly budget for research and faculty development for the past five years</b>						
<b>Fee Structure</b>	Subsidized Fee: Rs 4600 Regular Fee: Rs. 24900	Subsidized Fee: Rs 7600 Regular Fee: Rs. 24900	Subsidized Fee: Rs. 10100 Regular Fee: Rs. 24900	Subsidized Fee: Rs 8360 Regular Fee: Rs. 24900	Subsidized Fee: Rs 8360 Regular Fee: Rs. 24900	Regular Fee Category Only: Rs 23190
<b>What are sources of income</b>	Project of Most	Students fee and Govt. Grants				

## SUMMARY AND CONCLUSION

The Self Assessment Report (SAR) of the University Institute of Information Technology (UIIT), Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi for Degree Program Master in Computer Science (MCS) provides an evaluation of the performance against out stated criteria. This report begins with an introduction of the institute followed by a detailed discussion of the MCS degree program including its importance, the main features, objective, outcomes and measures to assess those objectives.

MCS is a two years degree program, during which a variety of relevant computer science courses are offered to the students. To give the students industry exposure regarding latest happenings and because of the large number of offered courses, Industry experienced visiting faculty is also engaged to work in collaboration with the full-time faculty members. In order to maintain and promote an outstanding quality of education, a continued assessment of the teaching and courses is conducted, throughout a semester, in accordance with the rules and regulations of the HEC.

The core of the curriculum designed for MCS program is according to the market and international standards of computer education guided by the requirements set by the Higher Education Commission of Pakistan. The curriculum includes an adequate proportion of mathematical, statistical and management courses to provide a complete skill package for effective professional conduct. It is further supplemented by the inclusion of a number of general courses intended to sharpen the written and oral communication proficiency of the students. Moreover, the faculty members and students are encouraged to arrange workshops and seminars as a part of their academic and practical work to further enhance their professional abilities.

UIIT supports the new trends towards education such as e-learning including digital publications, journals, etc. The faculty and students have been provided with a full-time access to the e-library and internet through local area network, so that they have a ready access to many well known journals relevant to their respective research areas. In addition, a book library is also available but lacks the latest editions of books related to multiple important subjects.

The performance of UIIT can be improved in general and particularly in MCS Degree program by improving following points:

1. Due to a large number of students there is a need for the expansion of the current campus.
2. The job satisfaction level of faculty members should be increased as according to the market trend.
3. Sufficient funding is required for the research projects for the development and betterment of the students.
4. There is a requirement of multimedia in every class, lecture theaters and lab.
5. There should be seminars on the latest research trends which help students to choose their field and also to decide the field of specialization for further studies.
6. Student internship program should be organized for the professional grooming and stipend should be given to them like other universities are practicing.
7. The workload should be reduced for the faculty according to the standard practice among other leading universities of Pakistan.
8. For the smooth flow of lectures, power supply for labs, class rooms and lecture theaters should be non-stop.
9. Concept of research associates needs to be reintroduced while at the same time, teaching assistants need to be inducted among the students to facilitate teachers and sharpen their own skills.
10. The trend of seminars and workshops, by the people of industry related to latest technologies currently active in the market, should be stimulated.

**Program Team Member**

**Coordinator: Dr. Mobushir Riaz Khan** \_\_\_\_\_

**Convener: Mr. Nasir Minhas** \_\_\_\_\_

**Members: Mr. Saleem Iqbal** \_\_\_\_\_

**Mr. Asif Nawaz** \_\_\_\_\_

**Mrs. Sarfraz Bibi** \_\_\_\_\_

## ANNEXURES

### ANNEXURE I: ALUMNI SURVEY

The results of the Alumni survey in tabular form are given below:

		Excellent	Very Good	Good	Fair	Poor
<b>I</b>	<b>Knowledge</b>					
1	Math, Science, Humanities and professional discipline, (if applicable)	31%	50%	11%	8%	0%
2	Problem formulation and solving skills	54%	25%	11%	8%	2%
3	Collecting and analyzing appropriate data	37%	45%	7%	8%	3%
4	Ability to link theory to practice	44%	38%	5%	5%	8%
5	Ability to design a system component or process	38%	30%	15%	12%	5%
6	IT knowledge	49%	37%	8%	2%	4%
<b>II</b>	<b>Communication Skills</b>					
1	Oral communication	48%	26%	15%	6%	5%
2	Report writing	53%	33%	8%	4%	2%
3	Presentation skills	25%	35%	15%	18%	7%
<b>III</b>	<b>Interpersonal Skills</b>					
1	Ability to work in teams.	45%	10%	30%	8%	7%

2	Ability to work in arduous/Challenging situation	35%	47%	10%	3%	5%
3	Independent thinking	48%	29%	14%	5%	4%
4	Appreciation of ethical Values	26%	37%	22%	8%	7%
<b>IV</b>	<b>Management/Leadership Skills</b>					
1	Resource and Time management skills	33%	48%	5%	10%	4%
2	Judgment	52%	24%	14%	5%	5%
3	Discipline	71%	10%	10%	5%	4%
<b>V</b>	<b>General Comments</b>					
<b>VI</b>	<b>Career Opportunities</b>					
<b>VII</b>	<b>Department Status</b>					
1	Infrastructure	29%	43%	12%	12%	4%
2	Faculty	45%	30%	12%	10%	3%
3	Repute at national level	59%	35%	6%	0%	0%
4	Repute at International level	12%	47%	12%	6%	23%

## ANNEXURE II: GRADUATING STUDENTS SURVEY

The results of Graduating Student Survey in table form are given below:

		<b>Very Satisfied</b>	<b>Satisfied</b>	<b>Uncertain</b>	<b>Dissatisfied</b>	<b>Very Dissatisfied</b>
1	The work in the program is too heavy and induces a lot of pressure.	57%	30%	4%	4%	4%
2	The program is effective in enhancing team-work abilities.	52%	35%	0%	9%	4%
3	The program administration is effective in supportive learning	35%	35%	17%	4%	9%
4	The program is effective in developing analytical and problem solving skills.	43%	39%	9%	4%	4%
5	The program is effective in developing independent thinking.	52%	20%	16%	4%	8%
6	The program is effective in developing written communication skills.	48%	35%	13%	0%	4%
7	The program is effective in developing planning abilities.	43%	35%	4%	9%	9%
8	The objectives of the program have been fully achieved.	43%	39%	9%	4%	4%
9	Whether the contents of the curriculum are advanced and meet program objectives.	39%	35%	13%	4%	9%
10	The faculty was able to meet the program objectives.	43%	30%	9%	13%	4%
11	The environment was	30%	30%	22%	4%	13%

	conducive for learning					
12	Whether the infrastructure of the department was good	30%	17%	35%	13%	4%
13	Whether the program was comprised of Co-curricular and extra-curricular activities	22%	17%	35%	17%	9%
14	Whether scholarships/grants were available to students in case of hardship.	65%	22%	9%	4%	0%

### ANNEXURE III: EMPLOYER SURVEY

The results of Employer Survey in tabular form are given below:

		<b>Excellent</b>	<b>Very Good</b>	<b>Good</b>	<b>Fair</b>	<b>Poor</b>
<b>I</b>	<b>Knowledge</b>					
1	Math, Science, Humanities and professional discipline, (if applicable)	55%	24%	15%	3%	3%
2	Problem formulation and solving skills	50%	31%	6%	9%	3%
3	Collecting and analyzing appropriate data	49%	26%	17%	3%	6%
4	Ability to link theory to practice	37%	34%	17%	12%	0%
5	Ability to design a system component or process	45%	32%	9%	9%	5%
6	Computer knowledge	68%	9%	5%	9%	9%
<b>II</b>	<b>Communication Skills</b>					
1	Oral communication	36%	30%	18%	12%	3%
2	Report writing	39%	26%	17%	4%	13%
3	Presentation skills	39%	27%	17%	5%	12%
<b>II</b>	<b>I Interpersonal Skills</b>					
1	Ability to work in teams.	49%	17%	31%	3%	0%
2	Leadership	32%	32%	21%	0%	14%
3	Independent thinking	37%	53%	11%	0%	0%
4	Motivation	42%	31%	12%	8%	8%

5	Reliability	42%	32%	0%	5%	21%
6	Appreciation of ethical values	48%	13%	16%	10%	13%
<b>IV</b>	<b>Work Skills</b>					
1	Time management skills	38%	50%	8%	4%	0%
2	Judgment	42%	27%	15%	12%	3%
3	Discipline	32%	44%	20%	4%	0%

Performa 9



Faculty Resume

Name	Dr. SohailAsghar
Personal	Director University Institute of Information Technology PMAS-AridAgricultureUniversity, Rawalpindi - Pakistan Mobile: +92-051-9290154
Experience	Director Nov 2011 to-date University Institute of Information Technology PMAS-Arid Agri. University (AAUR) – Rawalpindi - Pakistan
Honor and Awards	Australian Post Graduate Award for Industry, Australian Research Council, Monash University, Jan 2004-April 2006 Oracle Certified Professional (OCP) – 2000 Awarded Travel Grants (Three Times) from Higher Education Commission (HEC) of Pakistan.
Memberships	Member IEEE Member Australian Computer Society (ACS) HEC Approved supervisor
Brief Statement of Research Interest	Data Mining and Business Intelligence Decision Support Systems Model Management and Disaster Management Systems Operational Research
Publications	92

**Performa 9****Faculty Resume**

Name	Tariq Ali
Personal	Lecturer University Institute of Information Technology PMAS-Arid Agriculture University, Rawalpindi - Pakistan Mobile: +92-051-9290154
Experience	Lecturer July 2012 to-date University Institute of Information Technology PMAS-Arid Agri. University (AAUR) – Rawalpindi - Pakistan
Honor and Awards	.
Memberships	
Brief Statement of Research Interest	Document classification
Publications	10

## Performa 9

### Faculty Resume



Name	Bushra Hamid															
Personal	Cell No: 03325137197 Address-No p-1449, Ghazi Road Rawalpindi															
Experience	Date:5-05-2009 Title: Lecturer Institution: PMAS,Arid Agriculture University, Rawalpindi															
Honor and Awards	Merit scholarship in all semesters during Masters degree 2 <sup>nd</sup> Position in class in MCS															
Memberships	N/A															
Graduate Students Undergraduate Students Honor Students	<table><thead><tr><th>Years</th><th>Degree</th><th>Name</th></tr></thead><tbody><tr><td>2010</td><td>PGD(IT)</td><td>Abdul Raziq, Muzzamil Ahmed, M. Waris Bhatti</td></tr><tr><td>2010</td><td>PGD(IT)</td><td>Hanif-ur- Rehman, Noor rehman</td></tr><tr><td>2010</td><td>PGD(IT)</td><td>Tassawar Hussain, M. Bashir Feroz, M. Asif</td></tr><tr><td>2010</td><td>PGD(IT)</td><td>Adnan Mumtaz , Nasir Shehzad, NaziaKhaliq</td></tr></tbody></table>	Years	Degree	Name	2010	PGD(IT)	Abdul Raziq, Muzzamil Ahmed, M. Waris Bhatti	2010	PGD(IT)	Hanif-ur- Rehman, Noor rehman	2010	PGD(IT)	Tassawar Hussain, M. Bashir Feroz, M. Asif	2010	PGD(IT)	Adnan Mumtaz , Nasir Shehzad, NaziaKhaliq
Years	Degree	Name														
2010	PGD(IT)	Abdul Raziq, Muzzamil Ahmed, M. Waris Bhatti														
2010	PGD(IT)	Hanif-ur- Rehman, Noor rehman														
2010	PGD(IT)	Tassawar Hussain, M. Bashir Feroz, M. Asif														
2010	PGD(IT)	Adnan Mumtaz , Nasir Shehzad, NaziaKhaliq														
Service Activity	N/A															

## Performa 9

### Faculty Resume



Name	Syed Mushhad Mustuzhar Gilani
Personal	Room # 05, UIIT, PMAS-Arid Agriculture University, Rawalpindi, 0300-6604200
Experience	2009– Current UIIT, PMAS-Arid Agriculture University Rawalpindi  Lecturer  Major course taught during my tenure at UIIT so far include:  MCS/MIT/PGD  Computer Communication and Network  Operating System  Telecommunication Technologies
List supervision of graduate students, postdocs and undergraduate honors theses showing:	23
Publications	5



**Faculty Resume**

Name	Yasir Hafeez
Personal	Assitant Professor University Institute of Information Technology PMAS-Arid Agriculture University, Rawalpindi - Pakistan office: +92-051-9290154
Experience	10 years Total and working at UIIT since 2004 University Institute of Information Technology PMAS-Arid Agri. University (AAUR) – Rawalpindi - Pakistan
Honor and Awards	N/A
Memberships	N/A
Brief Statement of Research Interest	<p>Topics of interest include, but are not limited to:</p> <ul style="list-style-type: none"> <li>Requirements engineering process definition, measurement, and improvement</li> <li>Requirements negotiation, prioritization, and domain ontology construction</li> <li>Modeling of requirements, Requirements management and traceability</li> <li>Requirements in market-driven, service-oriented, and product line environments</li> <li>Requirements for highly complex systems on a global scale</li> <li>Social, cultural, global, personal, and cognitive factors in requireing engineering</li> <li>Industry and research collaboration, learning from practice, Agile Software development Practices</li> </ul>
Publications	12

## Performa 9

### Faculty Resume



Name	Sarfraz Bibi
Personal	Lecturer University Institute of Information Technology PMAS-Arid Agriculture University, Rawalpindi - Pakistan Mobile: +92-0321-5515426
Experience	Lecturer July 2012 to- Present University Institute of Information Technology PMAS-Arid Agri. University (AAUR) – Rawalpindi - Pakistan
Honor and Awards	
Memberships	
Brief Statement of Research Interest	To accelerate my research in the area of Software Requirement Engineering, Business Process Re-engineering, Software Quality Engineering, Software System Design and Architecture
Publications	01



**Faculty Resume**

Name	Yasir Hafeez
Personal	Assitant Professor University Institute of Information Technology PMAS-AridAgricultureUniversity, Rawalpindi - Pakistan office: +92-051-9290154
Experience	10 years Totol and working at UIIT since 2004 University Institute of Information Technology PMAS-Arid Agri. University (AAUR) – Rawalpindi - Pakistan
Honor and Awards	N/A
Memberships	N/A
Brief Statement of Research Interest	Topics of interest include, but are not limited to: Requirements engineering process definition, measurement, and improvement Requirements negotiation, prioritization, and domain ontology construction Modeling of requirements, Requirements management and traceability Requirements in market-driven, service-oriented, and product line environments Requirements for highly complex systems on a global scale Social, cultural, global, personal, and cognitive factors in requiremets engineering Industry and research collaboration, learning from practice, Agile Software development Practices
Publications	12

## Performa 9

### Faculty Resume



Name	Nasir Mehmood Minhas																					
Personal	Assistant Professor University Institute of Information Technology PMAS – Arid Agriculture University Rawalpindi, Pakistan Mobile: +92-333-5651973																					
Experience	January 28, 2008 to – date Assistant Professor University Institute of Information Technology PMAS – Arid Agriculture University Rawalpindi, Pakistan Overall 14 years experience of Teaching, Research, and Administration																					
Graduate Students	<table><thead><tr><th>Years</th><th>Degree</th><th>Name</th></tr></thead><tbody><tr><td>2011</td><td>MS (CS)</td><td>Asma Batool</td></tr><tr><td>2011</td><td>MS (CS)</td><td>Shahla Majeed</td></tr><tr><td>2012</td><td>MS (CS)</td><td>Muhammad Jalil</td></tr><tr><td>2012</td><td>MS (CS)</td><td>Asif Majeed</td></tr><tr><td>2013</td><td>MS (CS)</td><td>Zafar ul Islam</td></tr><tr><td>2013</td><td>MS (CS)</td><td>QuratulAin</td></tr></tbody></table>	Years	Degree	Name	2011	MS (CS)	Asma Batool	2011	MS (CS)	Shahla Majeed	2012	MS (CS)	Muhammad Jalil	2012	MS (CS)	Asif Majeed	2013	MS (CS)	Zafar ul Islam	2013	MS (CS)	QuratulAin
Years	Degree	Name																				
2011	MS (CS)	Asma Batool																				
2011	MS (CS)	Shahla Majeed																				
2012	MS (CS)	Muhammad Jalil																				
2012	MS (CS)	Asif Majeed																				
2013	MS (CS)	Zafar ul Islam																				
2013	MS (CS)	QuratulAin																				
Publications in Journals	06																					
Publications in proceedings/abstracts	08																					

## Performa 9

### Faculty Resume



Name	Ehtsham Azhar
Personal	Lecturer University Institute of Information Technology PMAS-Arid Agriculture University, Rawalpindi - Pakistan Mobile: +92-345-5379033
Experience	Lecturer July 2012 to-date University Institute of Information Technology PMAS-Arid Agri. University (AAUR) – Rawalpindi - Pakistan
Honor and Awards	.
Memberships	
Brief Statement of Research Interest	=
Publications	Abid Kamran, Ehtsham Azhar, Ahmed Adeel Khan and Syed Tauseef Mohyud-Din, Adomian's Decomposition Method for generalized fifth order Time-fractional Korteweg-de Vries Equations, <i>Journal of Fractional Calculus with Application</i> . Vol.5 (2) (2014), pp. 176-186.

**Performa 9****Faculty Resume**

Name	Asif Nawaz
Personal	Lecturer University Institute of Information Technology PMAS-Arid Agriculture University, Rawalpindi - Pakistan Mobile: +92-333-3690007
Experience	01/2012-Till Date as Lecturer (Comp Sc.) at PMAS-Arid Agriculture University , Rawalpindi. 01/2011- 01/2012 as Lecturer (Comp Sc.) at Punjab Group of Colleges, Rawalpindi. 2/2009-12/2010 as Lecturer (Comp Sc.) at Cadet College, Rawalpindi. 7/2007-08/2008 as Intern (NIP). at Planning Commission, Islamabad. 3/2006-7/2007 as Lecturer (Comp Sc.) at Wisdom Science College, Chowkara, Karak,
Honor and Awards	
Memberships	
Brief Statement of Research Interest	Data Mining Machine Learning Data Base
Publications	1

## Performa 9

### Faculty Resume



Name	Jaffer Saqlain Naqvi
Personal	Lecturer University Institute of Information Technology PMAS-Arid Agriculture University, Rawalpindi - Pakistan Mobile: +92-334-0444453
Experience	01/2012-Till Date as Lecturer (Comp Sc.) at PMAS-Arid Agriculture University , Rawalpindi.
Honor and Awards	
Memberships	
Brief Statement of Research Interest	Machine Learning Robotics Cognitive AI
Publications	1

## Performa 9

### Faculty Resume



Name	Saqib Majeed
Personal	Assistant Professor University Institute of Information Technology PMAS – Arid Agriculture University Rawalpindi, Pakistan Mobile: +92-333-6905241
Experience	January 2004 to August 2016 Research Associate University Institute of Information Technology PMAS – Arid Agriculture University Rawalpindi, Pakistan  August 2006 to June 2014 Lecturer University Institute of Information Technology PMAS – Arid Agriculture University Rawalpindi, Pakistan  JUNE, 2014 to – date Assistant Professor University Institute of Information Technology PMAS – Arid Agriculture University Rawalpindi, Pakistan Overall 12years experience of Teaching, Research, and Administration
Graduate Students	Years Degree Name

## Performa 9

### Faculty Resume



Name	Saleem Iqbal		
Personal	Assistant Professor University Institute of Information Technology PMAS-Arid Agriculture University, Rawalpindi - Pakistan		
Experience	Assistant Professor	PMAS-AAUR, Rawalpindi	2012-Date
	Assistant Director (IT)	Cabinet Division, GOP	2007-2012
	Lecturer	COMSATS, Islamabad	2003-2007
Graduate Students Undergraduate Students Honor Students	Years	Degree	Name
	NIL		
Publications in Journals	7		
Publications in proceedings/abstracts	3		

**Performa 9****Faculty Resume**

Name	Saif Ur Rehman
Personal	Assistant Professor University Institute of Information Technology PMAS-Arid Agriculture University, Rawalpindi - Pakistan Mobile: +92-051-9290154
Experience	Assistant Professor July 2011 to-date University Institute of Information Technology PMAS-Arid Agri. University (AAUR) – Rawalpindi - Pakistan
Honor and Awards	.Gold Medalist In MCS 3 <sup>rd</sup> Position in B.Sc
Memberships	
Brief Statement of Research Interest	Data Mining Machine Learning Graph Mining
Publications	11

**Performa 9**



**Faculty Resume**

Name	Muhammad Shabbir Hassan
Personal	<p>University Institute of Information Technology                  PMAS-AridAgricultureUniversity, Rawalpindi - Pakistan</p> <p>Mobile: 03335283010</p> <p>Date Of Birth: December 20,1980</p> <p>Postal Address: House # 355,                  Street # 18, I-10/2 Islamabad</p>
Experience	<p>Teaching Experience at University Level: 4 Year Experience as a Lecturer (BS-18) and Assistant Professor (BS-19) at University of Institute of Information Technology (University of Arid Agriculture Rawalpindi). Performing the additional duties as a Project Coordinator. More than 300 students (135 Projects) of BSCS/BSIT/MCS/MIT (Morning/Evening) are coordinating from last two years.</p> <p>Professional Experience: 3 Years Experiences as Enterprise Architect at Electronic Government Directorate (Ministry of IT) Islamabad.</p> <p>Software Development Experience: 4 Years Experiences as Senior Software Engineer at OVEX Technologies and ESOL Pvt Ltd Islamabad.</p>
Honor and Awards	
Memberships	
Brief Statement of Research Interest	
Publications	<p>Socio-Technical Factors Affecting Erp Implementation Success in Pakistan: an Empirical Study. Australian Journal of Basic and Applied Sciences. 2011, 5(3): 742-749,</p> <p>A Scrum Framework for Requirement Engineering Practices. Pakistan Academy of Sciences. December, 2013, PP: 263-27 (2013)</p>

## Performa 2

### Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion of the course instructor and transmission to Head of Department or his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS- 784	Title:	Distributed Databases		
Session:	2014	Semester:	Spring		
Credit Value:	3(2-2)	Level:	MCS	Prerequisites:	
Name Of Course Instructor:	Nasir Mehmood Minhas	No. of Students Contact Hours	Lectures (2 hours) Labs (2 hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Lab Practicals, Mid Term, Final term				

#### Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No Of Students	51	1.96	17.65	54.9	15.69		7..84			
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students										

**Overview /Evaluation (Course Co-Coordinator's Comments)**Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative ComMCStee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.  
The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier Faculty Course Review Reports

7) Outline any changes in the future delivery or the structure of the Course that this semester/term's experience may prompt.

Name: \_\_\_\_\_ Date \_\_\_\_\_

(Course Instructor)

Name: \_\_\_\_\_ Date \_\_\_\_\_

(Director)

## Performa 2

### Faculty Course Review Report



(To be filed by each teacher at the time of Course Completion)

For completion of the course instructor and transmission to Head of Department or his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology		
Course Code	CS-724	Title:	Software Engineering			
Session:	2014	Semester:	Spring			
Credit Value:	3(3-0)	Level:	MCS-2	Prerequisites:	No	
Name Of Course Instructor:	Sarfraz Bibi	No. of Students Contact Hours	Lectures (3 hours) Labs (N/A)			
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term					

### Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withd rawal	Total
No Of Students	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withd rawal	Total
No. of Students	41	7.317%	43.90%	43.90%	2.439%	N/A	2.439%			

**Overview /Evaluation (Course Co-Coordinator's Comments)** Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)



## Performa 2

### Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion of the course instructor and transmission to Head of Department or his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-793	Title:	Modern Programming Languages		
Session:	2014	Semester:	Spring 2014		
Credit Value:		Level:	MCS	Prerequisites:	
Name Of Course Instructor:	Mr. Saif ur Rheman	No. of Students Contact Hours	Lectures (3 hours) Labs (N/A)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term				

### Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No Of Students	65	45	30	14	5		11	-	-	65
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students										

**Overview /Evaluation (Course Co-Coordinator's Comments)**Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative ComMCStee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.  
The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier Faculty Course Review Reports

7) Outline any changes in the future delivery or the structure of the Course that this semester/term's experience may prompt.

Name: Saif Ur Rehman \_\_\_\_\_ Date 18-09-2014 \_\_\_\_\_

(Course Instructor)

Name: \_\_\_\_\_ Date \_\_\_\_\_

(Director)

## Performa 2

### Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion of the course instructor and transmission to Head of Department or his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	Cs-727	Title:	Object oriented programming		
Session:	2013-15	Semester:	Fall		
Credit Value:	4	Level:	MCS-2	Prerequisites:	
Name Of Course Instructor:	Tariq	No. of Students Contact Hours 2 hours daily	Lectures (2 hours) Labs (2)	Programming fundamental	
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term At least 6 quizzes and 3 assignments				

### Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No Of Students										
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students	32	18.7	53.1	12.5	9.35		6.25		none	

**Overview /Evaluation (Course Co-Coordinator's Comments)**Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative ComMCStee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.  
The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier Faculty Course Review Reports

7) Outline any changes in the future delivery or the structure of the Course that this semester/term's experience may prompt.

Name: \_\_\_\_\_ Date \_\_\_\_\_

(Course Instructor)

Name: \_\_\_\_\_ Date \_\_\_\_\_

(Director)

**Performa 2**

**Faculty Course Review Report**

**(To be filed by each teacher at the time of Course Completion)**



For completion of the course instructor and transmission to Head of Department or his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-704	Title:	Database systems		
Session:	2013-15	Semester:	Fall		
Credit Value:	3	Level:	MCS	Prerequisites:	
Name Of Course Instructor:	Tariq Ali	No. of Students Contact Hours  2 hours daily	Lectures (2 hours)  Labs (2)		
Assessment Methods:  Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term  At least 6 quizzes and 3 assignments				

**Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)**

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No Of Students	62	9.23	15.38	36.92	16.92		12.31			62
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students										

**Overview /Evaluation (Course Co-Coordinator’s Comments)**Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative ComMCStee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.  
The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier Faculty Course Review Reports

7) Outline any changes in the future delivery or the structure of the Course that this semester/term's experience may prompt.

Name: \_\_\_\_\_ Date \_\_\_\_\_

(Course Instructor)

Name: \_\_\_\_\_ Date \_\_\_\_\_

(Director)

## Performa 2

### Faculty Course Review Report



**(To be filed by each teacher at the time of Course Completion)**

For completion by the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology		
Course Code	CS-701	Title:	Programming Fundamental			
Session:	2013	Semester:	Spring			
Credit Value:	3(3-0)	Level:	MCS-04	Prerequisites:	NA	
Name Of Course Instructor:	Asif Nawaz	No. of Students Contact Hours	27 Labs (N/A)			
Assessment Methods:  Give precise details (no & length of assignments, exams weightings, etc.)	Quizzes, Assignment, Mid Term, Final term  6 Quizez, 6 Assignment 1 mid, 1 final					

#### **Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)**

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No Of Students	33	0	17	78	2		3			
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total

No. of Students									
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**Overview /Evaluation (Course Co-Coordinator's Comments)**

Feedback: first Summarize, then comment feedback received form:

(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

3) Student/Staff Consultative Committee (SSCC) or equivalent, (if any)

4) Curriculum: comments on the continuing appropriateness of the Course curriculum in relation to the intended learning outcomes (course objectives) and its compliance with the HEC Approved/Revised National Curriculum Guidelines.  
The course curriculum is in accordance with HEC approved guidelines

5) Assessment: comment on the continuing effectiveness of method(s) of assessment in relation to the intended learning outcomes (Course Objectives)

6) Enhancement: comment on the implementation of changes proposed in earlier Faculty Course Review Reports

7) Outline any changes in the future delivery or structure of the Course that this semester/term's experience may prompt.

Name: Asif Nawaz Date \_\_\_\_\_

(Course Instructor)

Name: \_\_\_\_\_ Date \_\_\_\_\_

(Director)

## Performa 2

### Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion of the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-701	Title:	PROGRAMMING FUNDAMENTALS		
Session:	Fall 2013	Semester:	Fall-13		
Credit Value:		Level:	MCS-3	Prerequisites:	
Name Of Course Instructor:	Majid Tahir	No. of Students Contact Hours	Lectures (3 hours) Labs (N/A)		
Assessment Methods:  Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term				

#### Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No Of Students										
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students	63	7.937	19.05	26.98	11.11		26.98			

**Overview /Evaluation (Course Co-Coordinator's Comments)** Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires
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## Performa 2

### Faculty Course Review Report



**(To be filed by each teacher at the time of Course Completion)**

For completion of the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-772	Title:	OPERATING SYSTEM CONCEPTS		
Session:	Spring 2014	Semester:	SPRING-14		
Credit Value:		Level:	MCS-3	Prerequisites:	
Name Of Course Instructor:	Syed Mushhad Gillani	No. of Students Contact Hours	Lectures (3 hours) Labs (N/A)		
Assessment Methods:  Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term				

#### Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No Of Students										
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students	55	3.636	32.73	43.64	18.18		1.818			

**Overview /Evaluation (Course Co-Coordinator's Comments)** Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires
---

## Performa 2

### Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion of the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-729	Title:	Theory of Automata and Formal Languages		
Session:	Spring 2013	Semester:	Spring-13		
Credit Value:		Level:	MCS-3	Prerequisites:	
Name Of Course Instructor:	Hajra Murtaza	No. of Students Contact Hours	Lectures (3 hours) Labs (N/A)		
Assessment Methods:  Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term				

#### Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No Of Students										
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students	37	2.703	5.405	10.81	21.62		48.65			

**Overview /Evaluation (Course Co-Coordinator's Comments)** Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires
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## Performa 2

### Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion of the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-733	Title:	ARTIFICIAL INTELLIGENCE		
Session:	Spring 2014	Semester:	SPRING-13		
Credit Value:		Level:	MCS-	Prerequisites:	
Name Of Course Instructor:	Muhammad Jafer	No. of Students Contact Hours	Lectures (3 hours) Labs (N/A)		
Assessment Methods:  Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term				

#### Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No Of Students										
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students	38	2.632	0	44.74	26.32		21.05			

**Overview /Evaluation (Course Co-Coordinator's Comments)** Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)

1) Student (Course Evaluation) Questionnaires
---

## Performa 2

### Faculty Course Review Report

(To be filed by each teacher at the time of Course Completion)



For completion of the course instructor and transmission to Head of Department of his/her nominee (Dept. Quality Officer) together with copies of the Course Syllabus outline

Department:	Computer Science		Faculty:	University Institute of Information Technology	
Course Code	CS-737	Title:	COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE		
Session:	2013-15	Semester:	Fall		
Credit Value:	4	Level:	MCS-2	Prerequisites:	
Name Of Course Instructor:	Saleem Iqbal	No. of Students Contact Hours 2 hours daily	Lectures (3 hours) Labs (2)	Digital Logic and Design	
Assessment Methods:  Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term  At least 6 quizzes and 3 assignments				

#### Distribution of Grade/ Marks and other Outcomes (adopt the grading system as required)

Undergraduate	Originally	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No Of Students										
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	Total
No. of Students	46	0	13.04	69.57	10.87		6.522		2	

**Overview /Evaluation (Course Co-Coordinator's Comments)**Feedback: first Summarize, then comment feedback received form:(These boxes will expand as you type in your answer.)