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Self Assessment Report
University Institute of Information Technology
MCS Degree Program
July, 2010-2012

Self Assessment Report

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Introduction

Information Technology (IT) has become a synonym for efficiency and quality of service and has thus emerged as an integral component of every domain. In the forthcoming and a knowledge revolution era, its role is even more pronounced. Only those countries, which will have a computer science (CS) and IT skilled manpower, will survive and succeed. University Institute of Information Technology (UIIT) was established in 2001 to address this dire need. 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.

The market needs committed professionals in IT and computer science. To meet these needs of a degree Master in Computer Science (MCS) was offered in 2002. The purpose of the MCS degree program is to provide an opportunity to the students having fourteen years of education to acquire 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 program produces graduates who will be flexible, adaptable to change, and able to face the challenges of the technology driven employment market. Toward these ends the program offers a set of core courses, science courses, general education & supportive courses.

The curriculum is regularly revised and updated with the latest developments in the field of Information Technology. The recently emerging tools and technologies have been incorporated in the curriculum. 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 prepare students as professionals by imparting high quality education in the field of computing. 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 Measured	Improvement Identified	Improvement 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	Latest topics should be included in specialized	The course outlines are updated to accommodate

			survey/review related to a particular field.	courses.	the latest concepts.
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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 more than fourteen 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 Dr. Zia UL Qayyum has scored 80%, Mr. Muhammad Amjad Iqbal has scored 82%, Ms. Aisha Umair has scored 72%, Mr. Syed Mashhad Gillani has scored 81%, Ms. Bushra Hamid has scored 73%, Ms. Iran rhubarb has scored 80%, Mr. Yasir Hafeez has scored 79%, Mr. Muhammad Nazir has scored 81%, Ms. Rubina Ghazal has scored 74%, Mr. Shiraz Akram has scored 81%, Mr. M. Shabbir Hassan has scored 79%, Mr. Nasir Mehmood has scored 82%, Mr. Naeem ur Rehman has scored 82%, Mr. Saqib Majeed has scored 77%. The comparison of their score is given below.

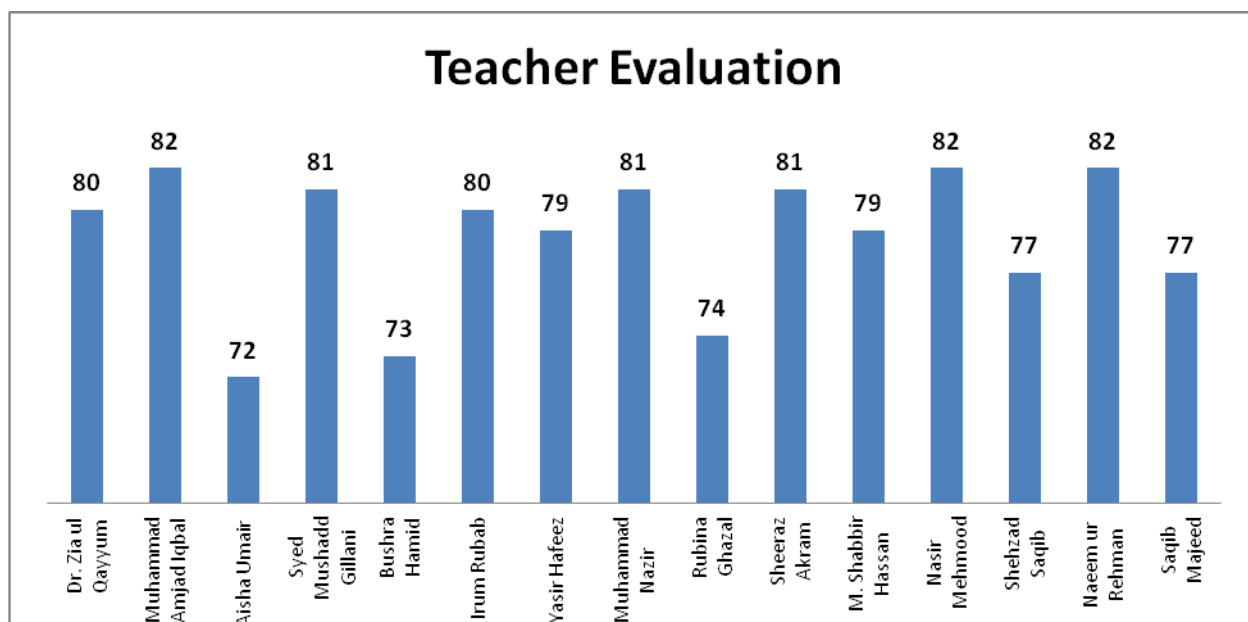
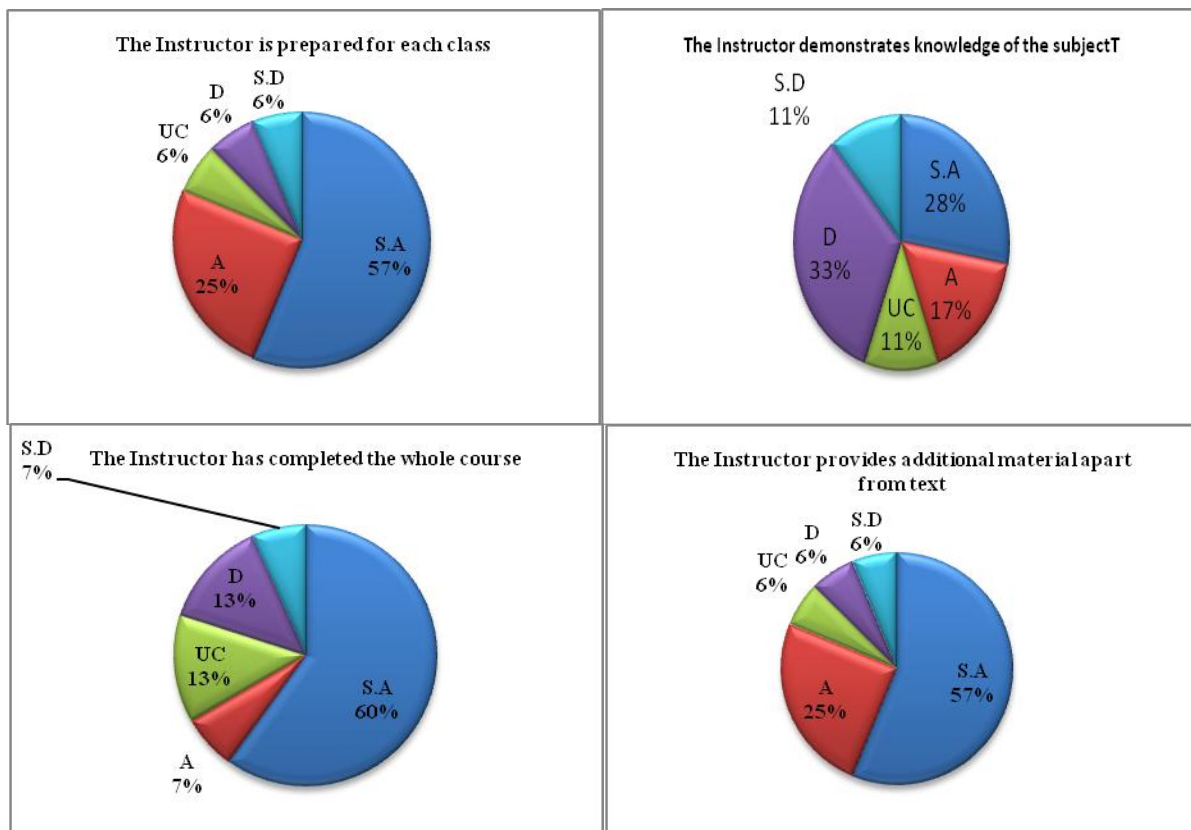


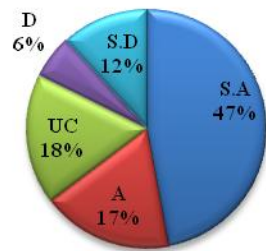
Figure 1: Teacher Evaluation Graph

Dr. Zia Ul Qayyum (CS-733)

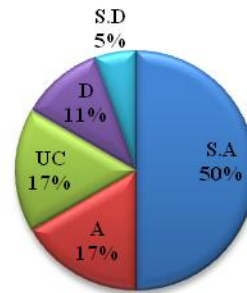
The graph for “The instructor is prepared for each class”, shows that 57% are strongly agreed, 25% are agreed, 6% are uncertain, 6% are Disagreed and 6% are strongly disagreed. The Instructor provides additional material apart from text” , shows that 57% are strongly agreed, 25% are agreed, 6% are uncertain, 6% are Disagreed and 6% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.” , shows that 60% are strongly agreed, 20% are agreed, 6% are uncertain, 7% are Disagreed and 7% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 47% are strongly agreed, 23% are agreed, 12% are uncertain, 12% are disagreed and 6% are strongly disagreed.



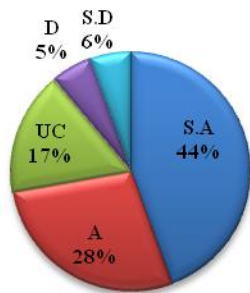
The Instructor gives citations regarding current situations With reference to Pakistani context



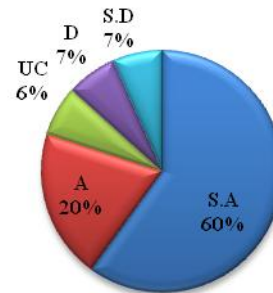
The Instructor communicates the subject matter effectively



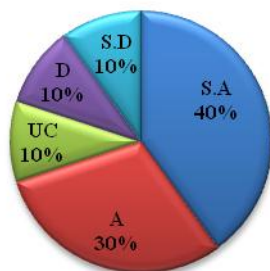
The Instructor shows respect towards students and encourages class participation.



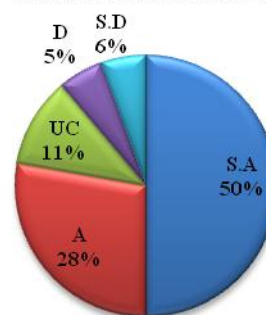
The Instructor maintains an environment that is conducive to learning.



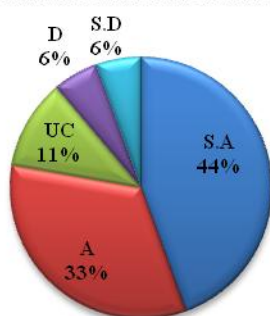
The Instructor arrives on time



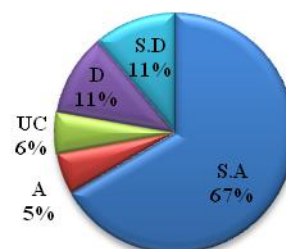
The Instructor leaves on time

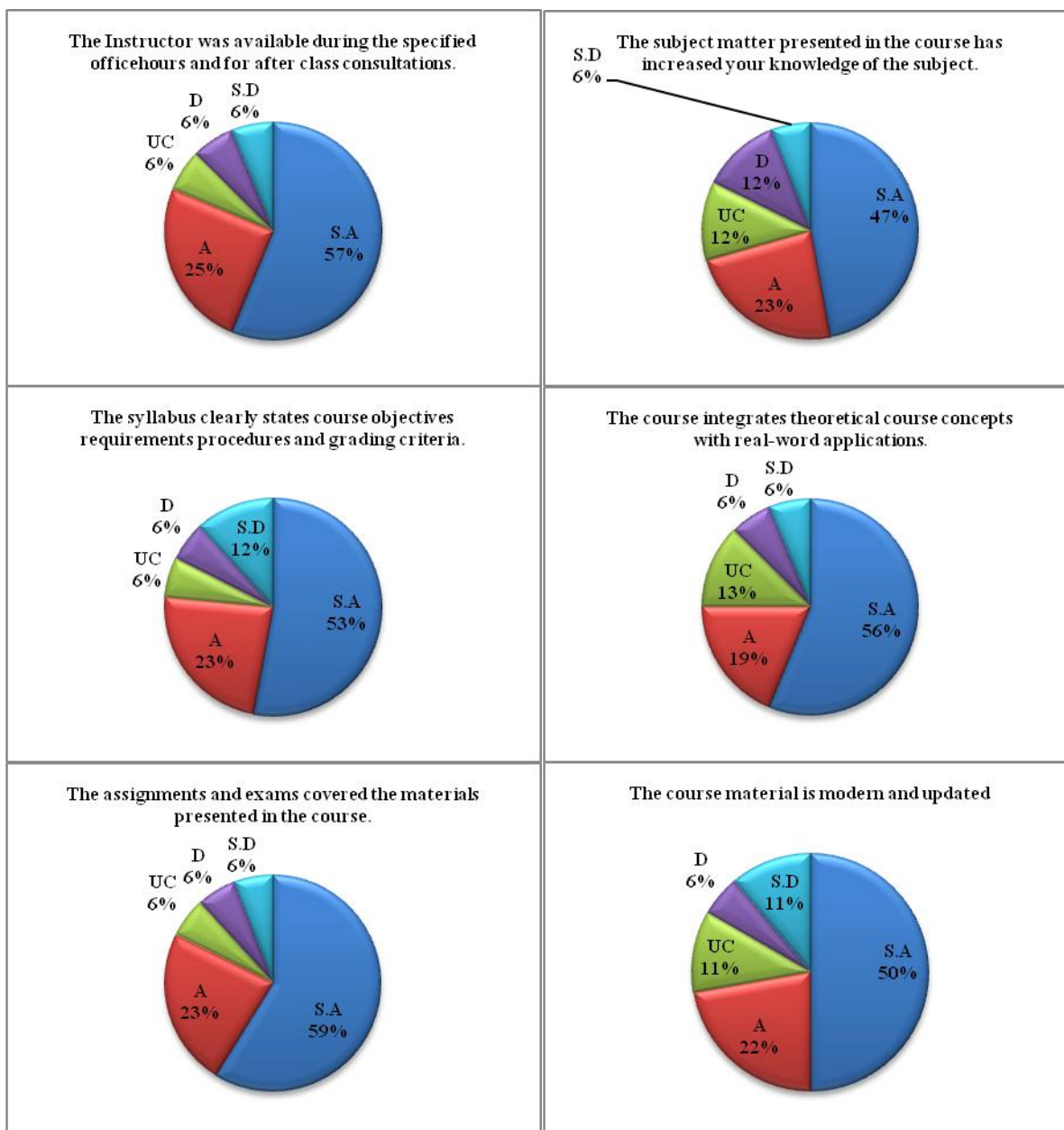


The Instructor is fair in examination



The Instructor returns the graded scripts. etc in a reasonable amount of time.





General Comments of the Students about the Teacher

Strength:

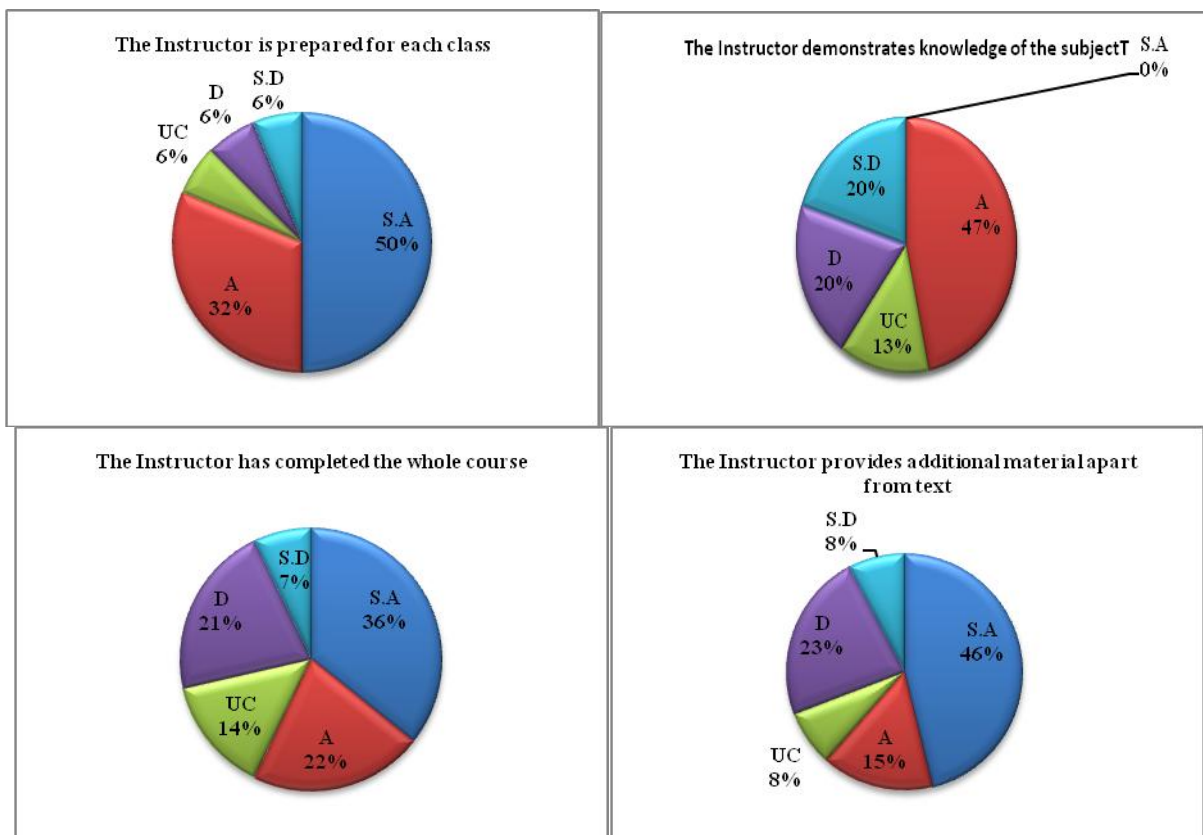
- Teaching method is good
- Fair in examinations

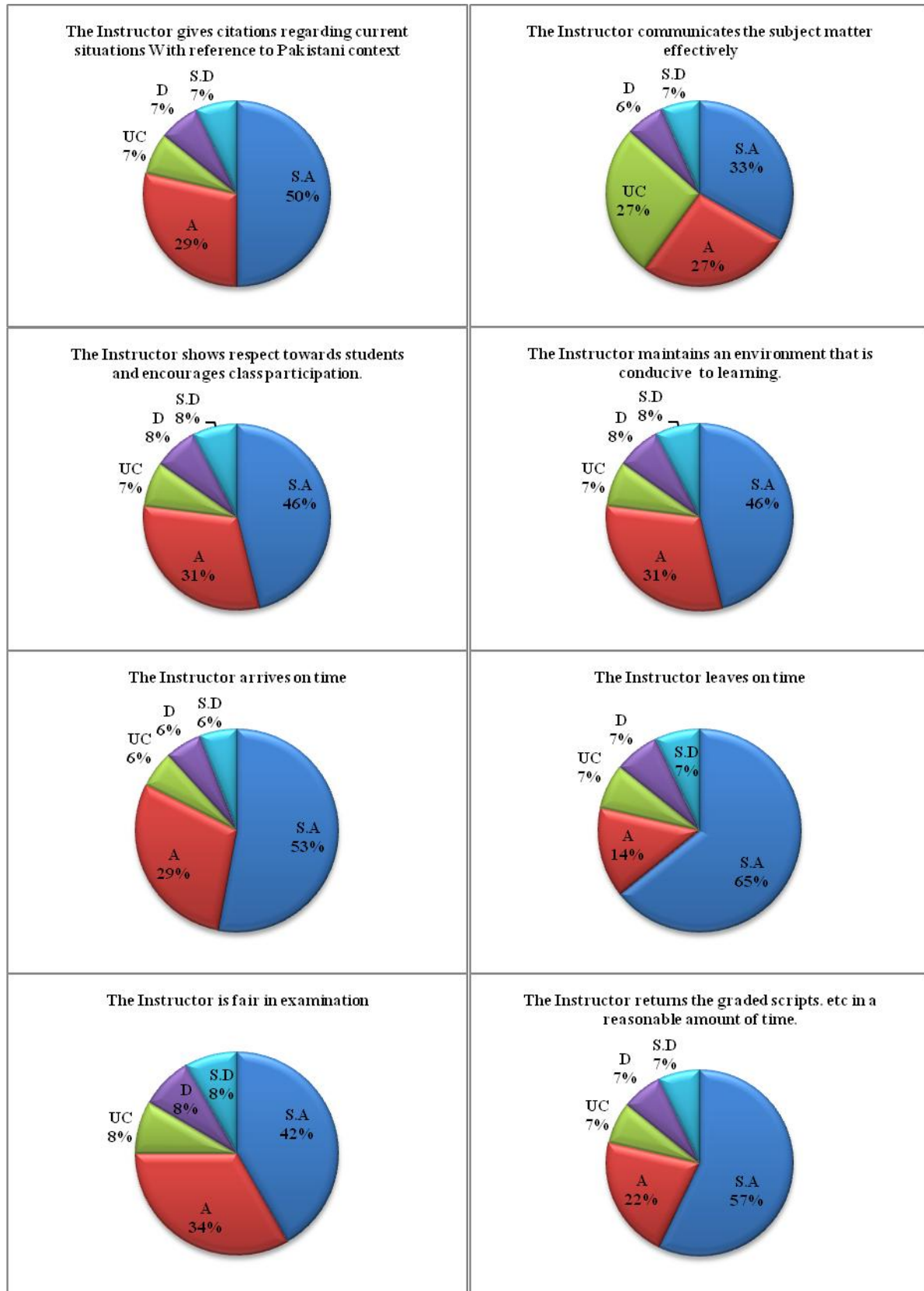
Weakness:

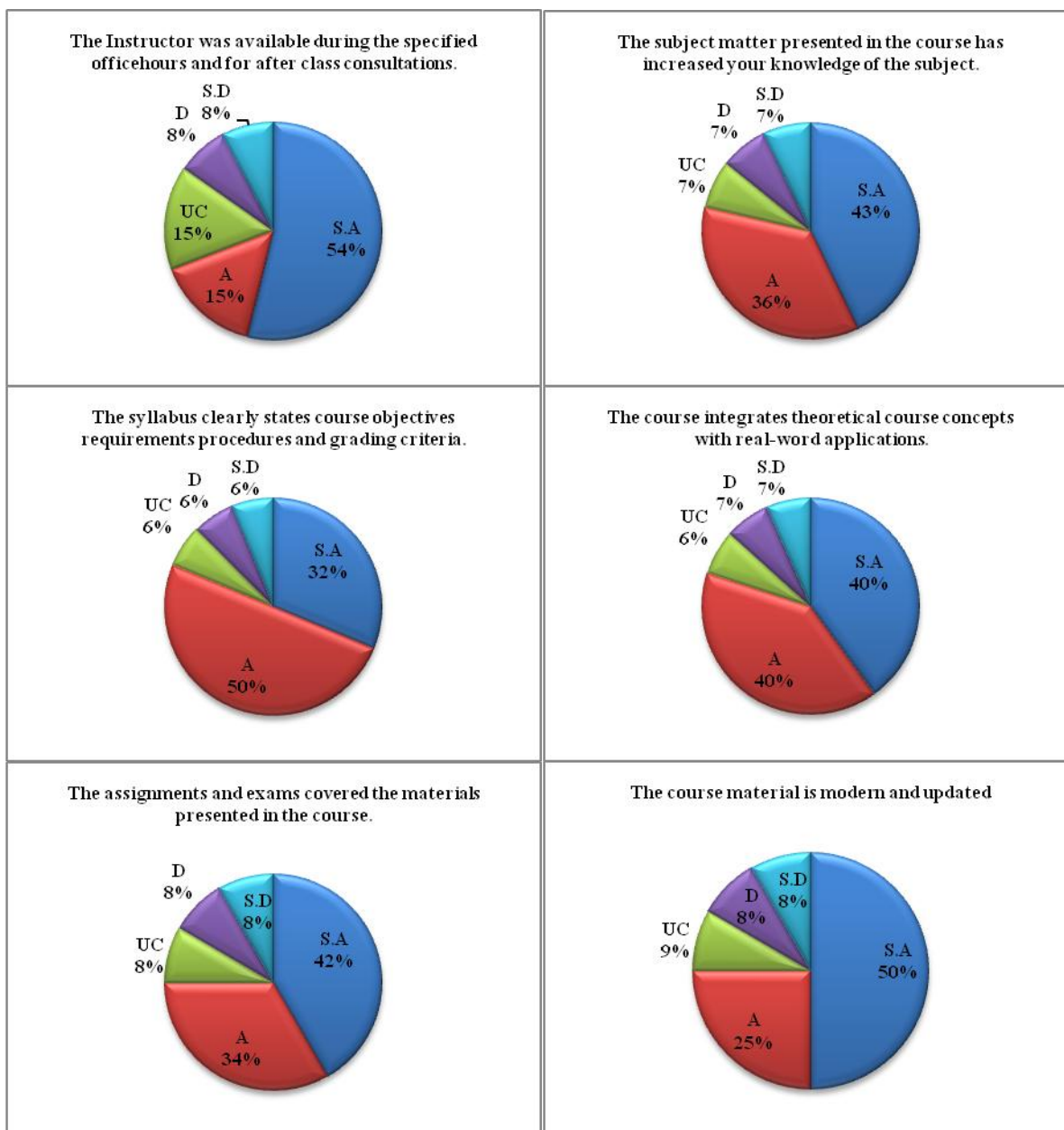
- More Workload

Muhammad Amjad Iqbal (CS-733)

The graph shows the detail of evaluation. The graph for “The instructor is prepared for each class”, shows that 50% are strongly agreed, 32% are agreed, 6% are uncertain, 6% are disagreed and 6% are strongly disagreed. The graph for “The instructor has completed the whole course”, shows that 36% are strongly agreed, 22% are agreed, 14% are uncertain, 21% are disagreed and 7% are strongly disagreed. The graph for “The instructor shows respect towards students”, shows that 46% are strongly agreed, 31% are agreed, 7% are uncertain, 8% are disagreed and 8% are strongly disagreed. The graph for “The instructor is fair in examination”, shows that 42% are strongly agreed, 34% are agreed, 8% are uncertain, 8% are disagreed and 8% are strongly disagreed. The graph for “The instructor arrives on time”, shows that 53% are strongly agreed, 29% are agreed, 6% are uncertain, 6% are disagreed and 6% are strongly disagreed. The graph for “The course material is modern and updated”, shows that 50% are strongly agreed, 25% are agreed, 9% are uncertain, 8% are disagreed and 8% are strongly disagreed. The graph for “The teacher returns graded scripts in a reasonable amount of time”, shows that 57% are strongly agreed, 22% are agreed, 7% are uncertain, 7% are disagreed and 7% are strongly disagreed.







General Comments of the Students about this Teacher

Strengths:

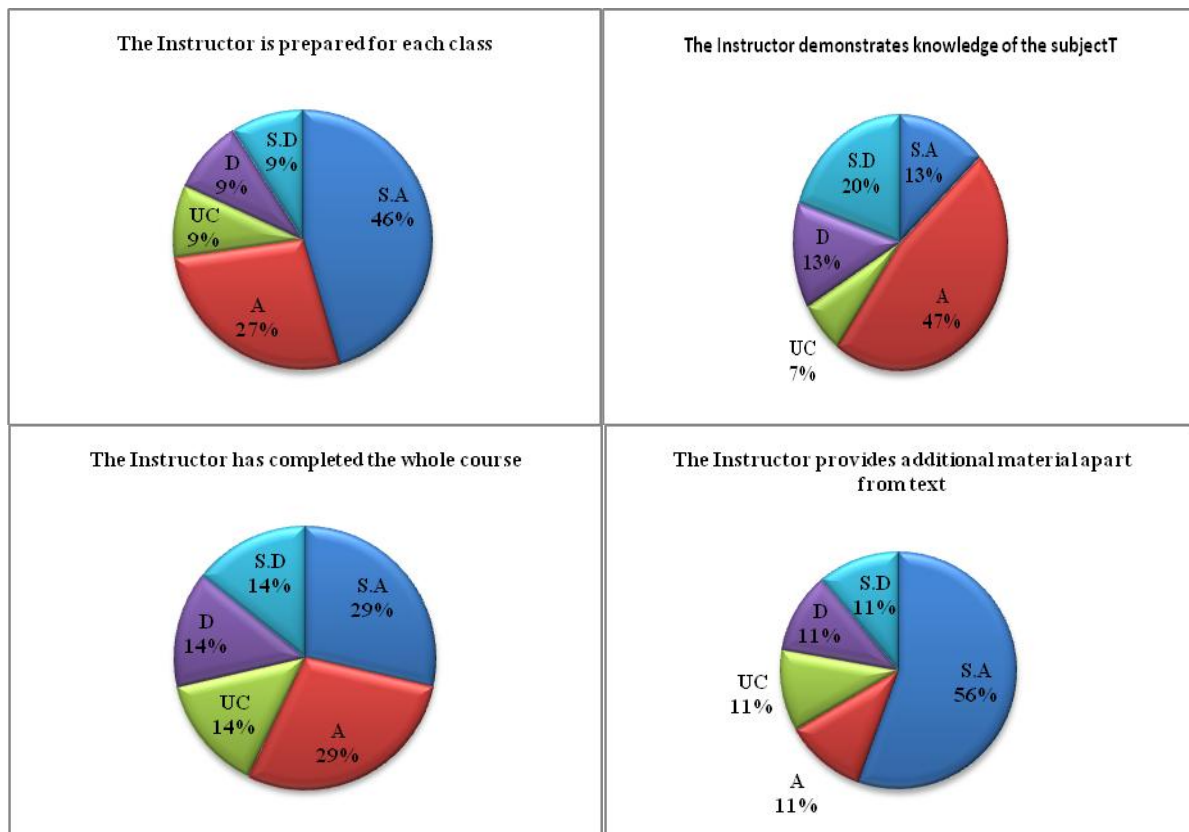
- Teacher encourages students' participation and gives respect to students.
- The teacher is fair in marking.

Weaknesses:

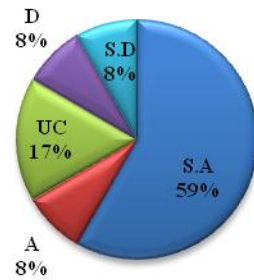
- The teacher has not covered the syllabus completely.
- The instructor should provide the additional material other than text.

Ms. Aisha Umair (CS- 772)

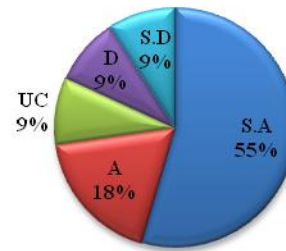
The graph shows the detail of evaluation. The graph for “The instructor is prepared for each class”, shows that 46% are strongly agreed, 27% are agreed, 9% are uncertain, 9% are Disagreed and 9% are strongly disagreed. The graph for “The instructor has completed the whole course”, shows that 29% are strongly agreed, 29% are agreed, 14% are uncertain, 14% are Disagreed and 14% are strongly disagreed. The graph for “The instructor shows respect towards students”, shows that 46% are strongly agreed, 27% are agreed, 9% are uncertain, 9% are Disagreed and 9% are strongly disagreed. The graph for “The instructor arrives on time”, shows that 45% are strongly agreed, 11% are agreed, 22% are uncertain, 11% are Disagreed and 11% are strongly disagreed. The graph for “The course material is modern and updated”, shows that 29% are strongly agreed, 29% are agreed, 14% are uncertain, 14% are Disagreed and 14% are strongly disagreed. The graph for “The teacher returns graded scripts in a reasonable amount of time”, shows that 56% are strongly agreed, 11% are agreed, 11% are uncertain, 11% are Disagreed and 11% are strongly disagreed.



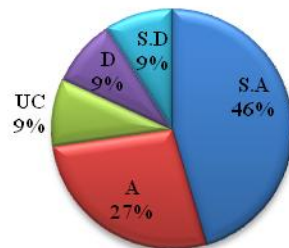
The Instructor gives citations regarding current situations With reference to Pakistani context



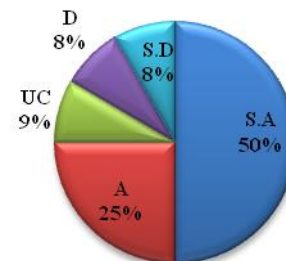
The Instructor communicates the subject matter effectively



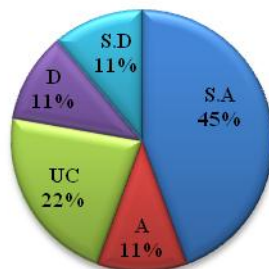
The Instructor shows respect towards students and encourages class participation.



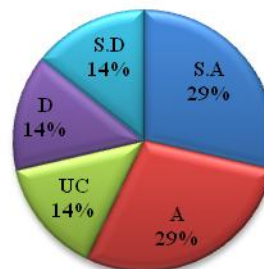
The Instructor maintains an environment that is conducive to learning.



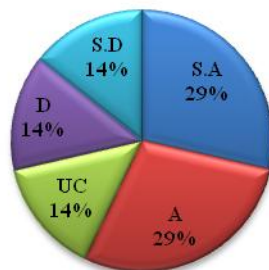
The Instructor arrives on time



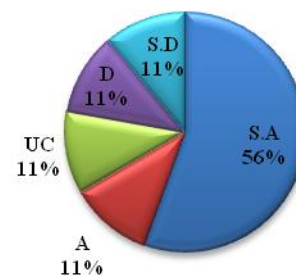
The Instructor leaves on time

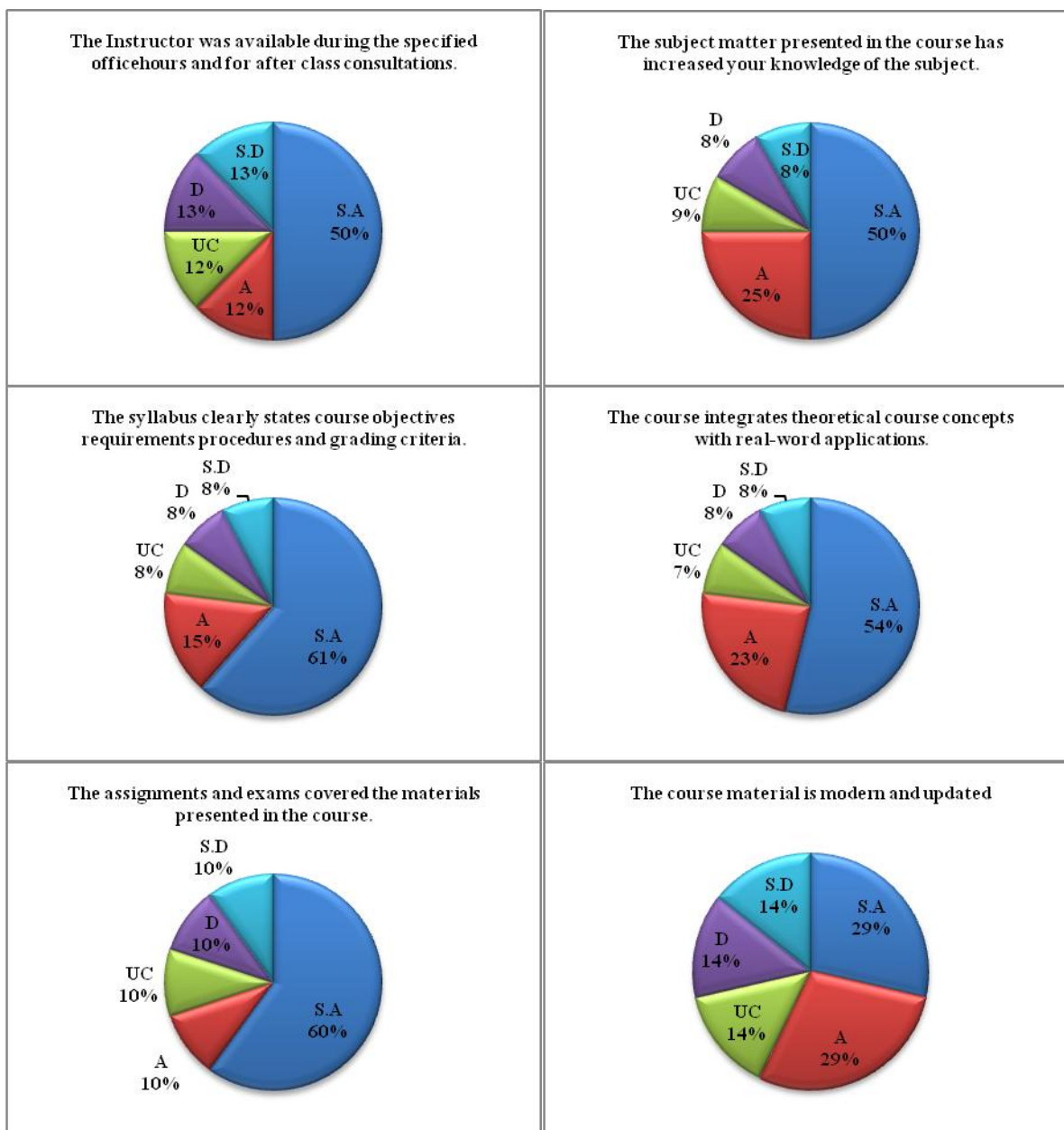


The Instructor is fair in examination



The Instructor returns the graded scripts, etc in a reasonable amount of time.





General Comments of the Students about this Teacher

Strengths:

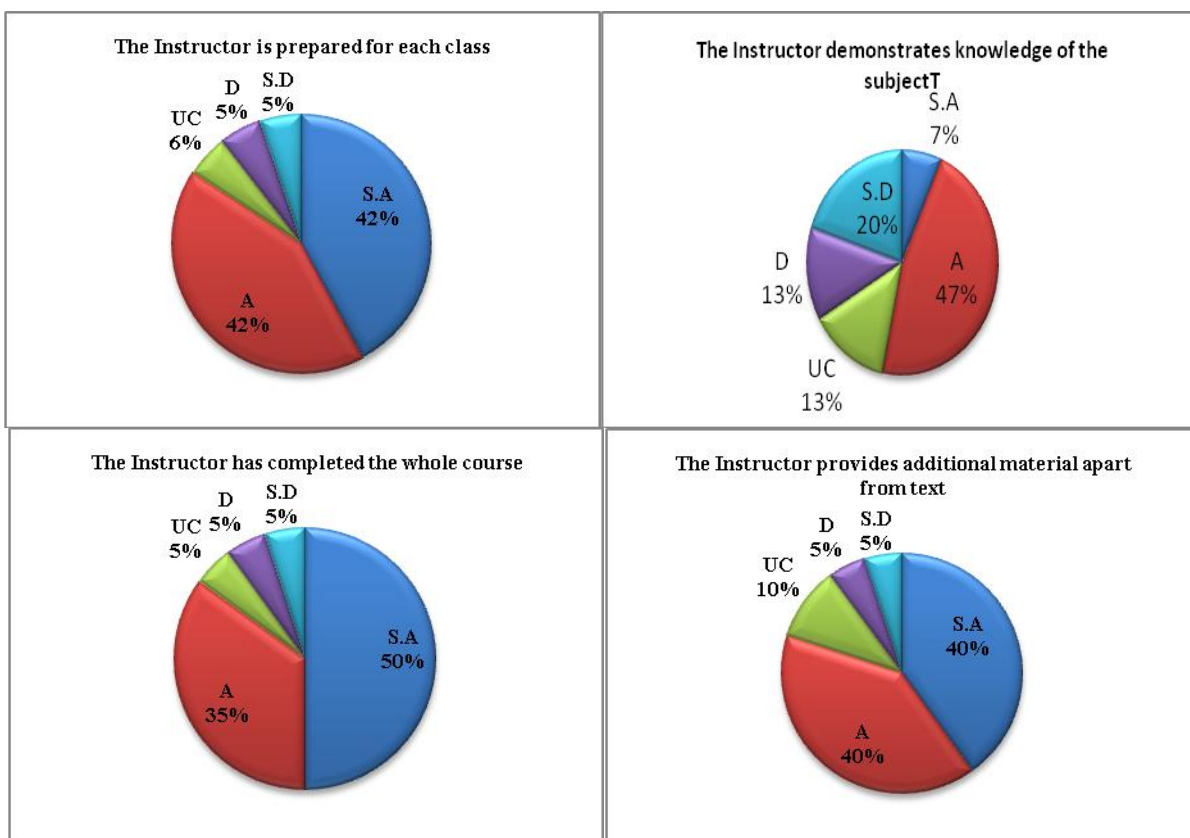
- Encourages students' participation.
- Prepared before delivering the lecture.

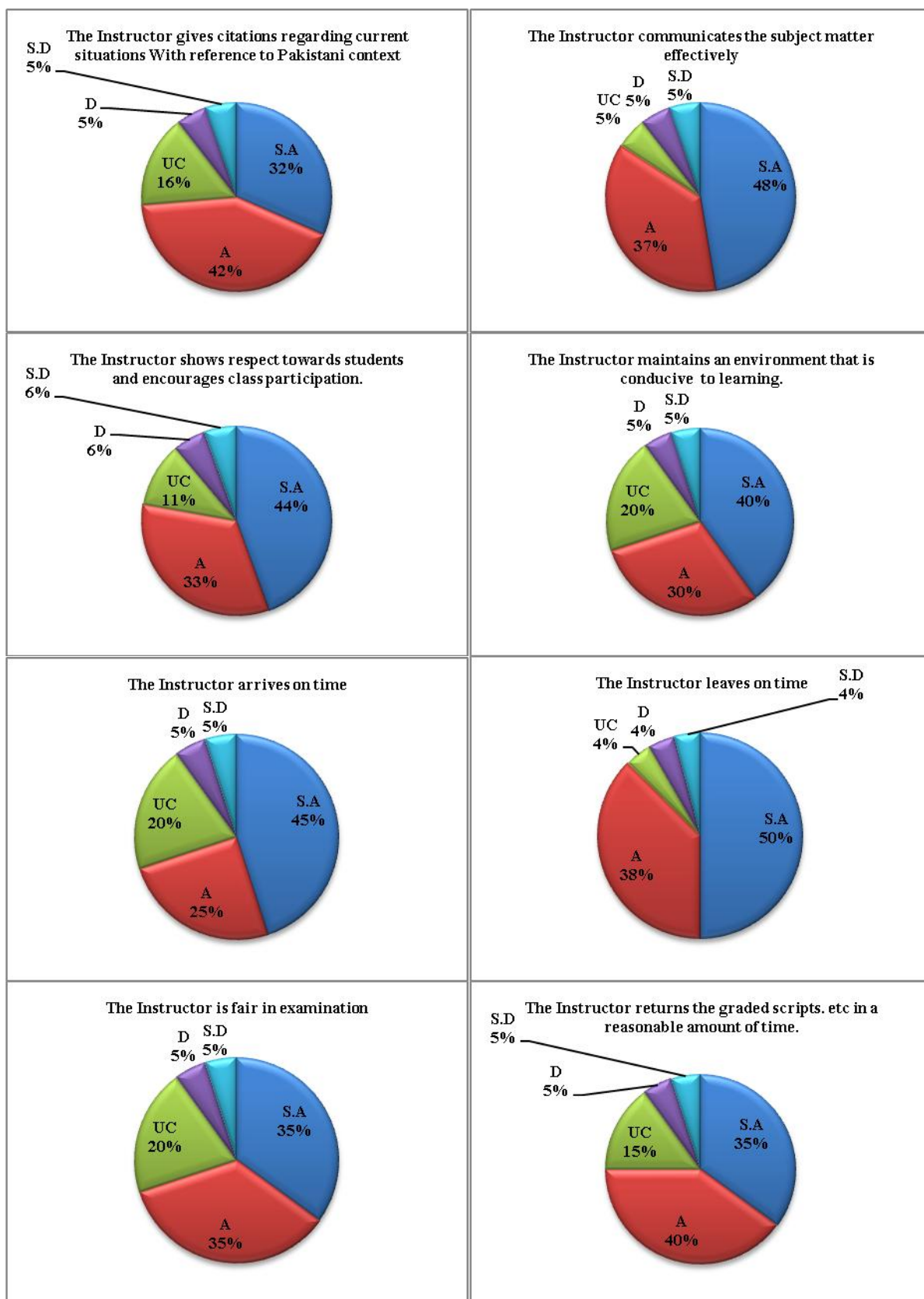
Weaknesses:

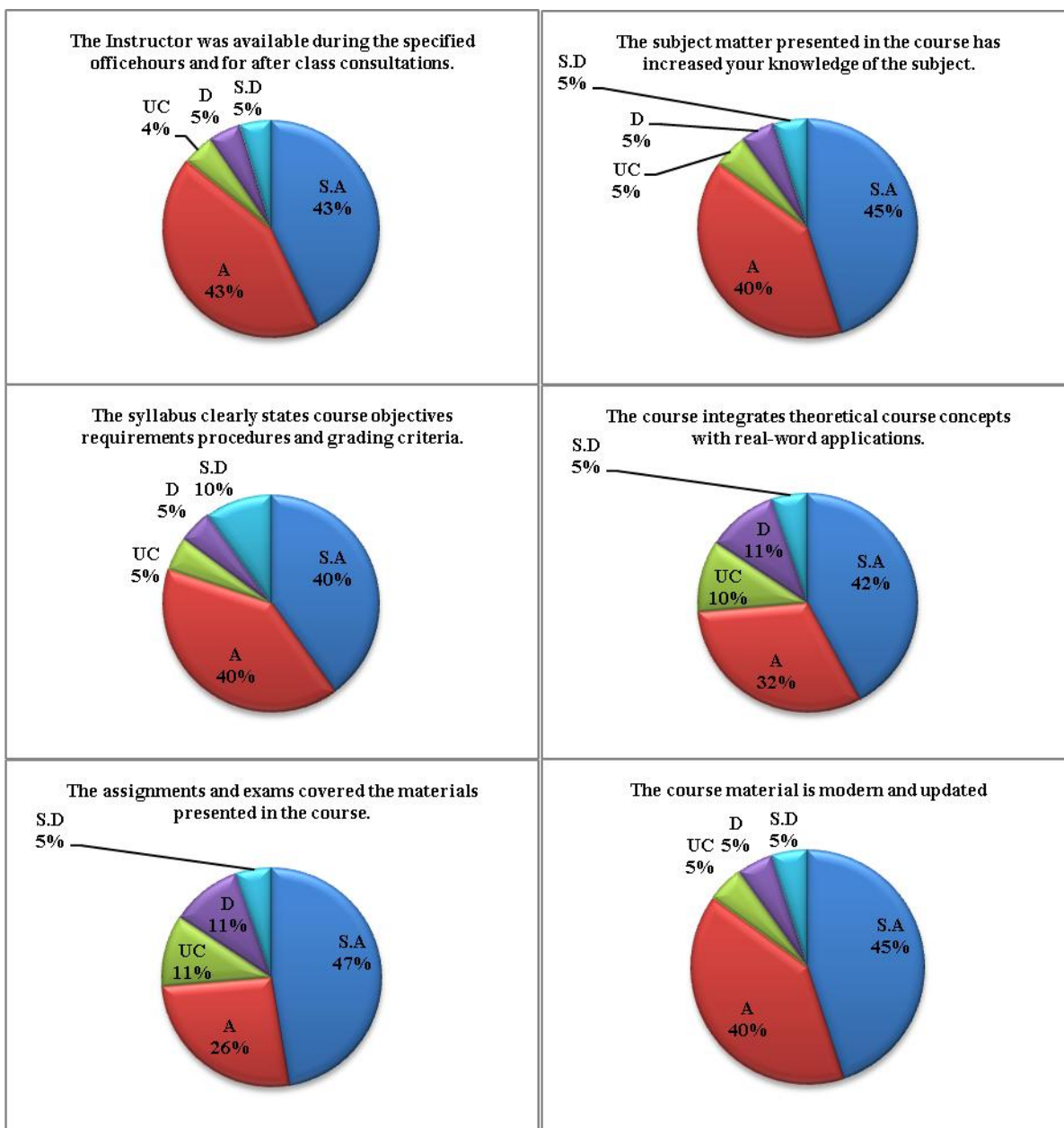
- More workload
- More practical work is needed

Mr. Syed Mushhad Gillani (CS-771)

The graph shows the details of the evaluation. The instructor has completed the whole course. The graph “The instructor has completed the whole course” indicates this. (50% strongly agreed, 35% agreed, 5% are uncertain, 5% disagreed and 5% strongly disagreed). The instructor also provides additional study material apart from the text to students. The graph “The instructor provides additional material apart from text reflects this. (40% strongly agreed, 40% agreed, 10% are uncertain, 5% disagreed and 5% strongly disagreed). The instructor is well prepared for each class. This can be seen in the graph “The instructor is prepared for each class” (42% strongly agreed, 42% agreed, 6% are uncertain, 5% disagreed and 5% strongly disagreed). The instructor is always available for after class consultations as shown in the graph “The instructor is available during the office hours and after class consultation” 43% strongly agreed, 43% agreed, 4% are uncertain, 5% disagreed and 5% strongly disagreed). The instructor show respects towards the students as shown in the graph “The instructor shows respect towards students and encourages class participation”. (44% strongly agreed, 33% agreed, 11% are uncertain, 6% disagreed and 6% strongly disagreed).







General Comments of the Students about the Teacher

Strength:

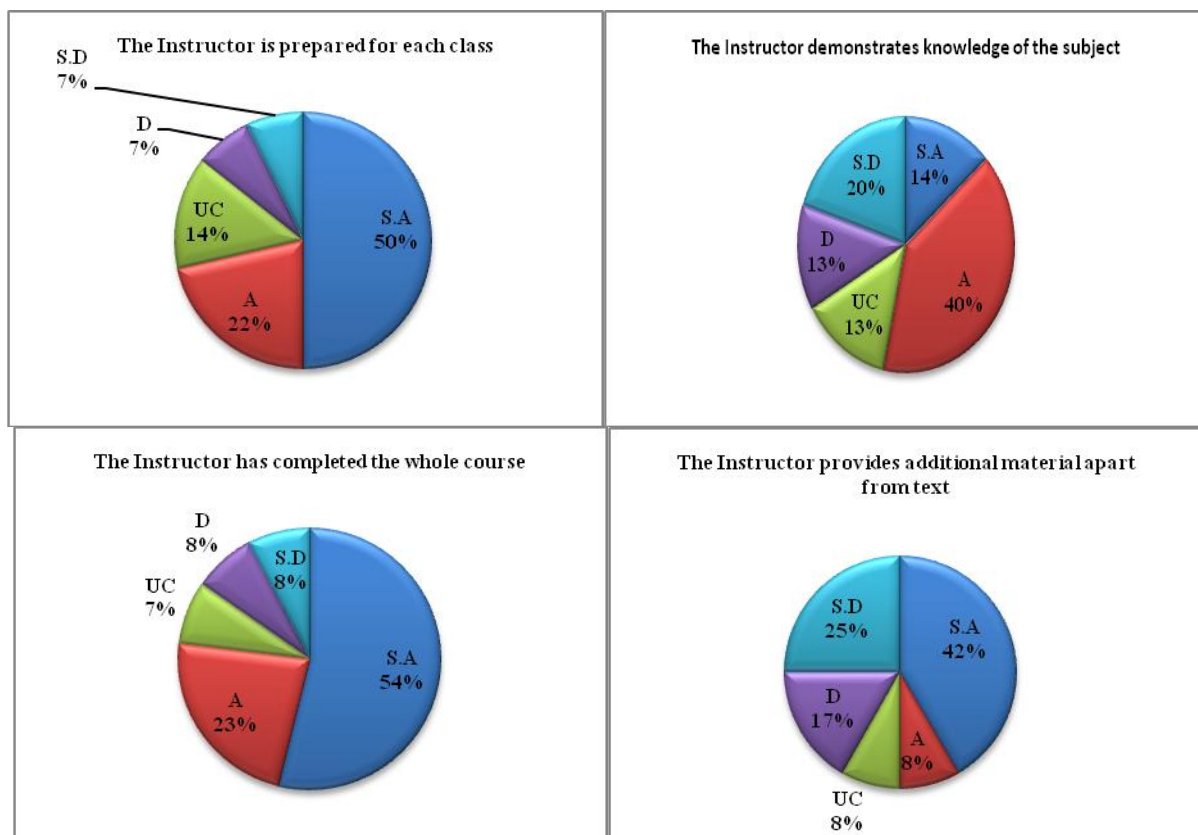
- Well prepared for each class and completed the course on time
- Provides additional material apart from text
- Available for after class consultations

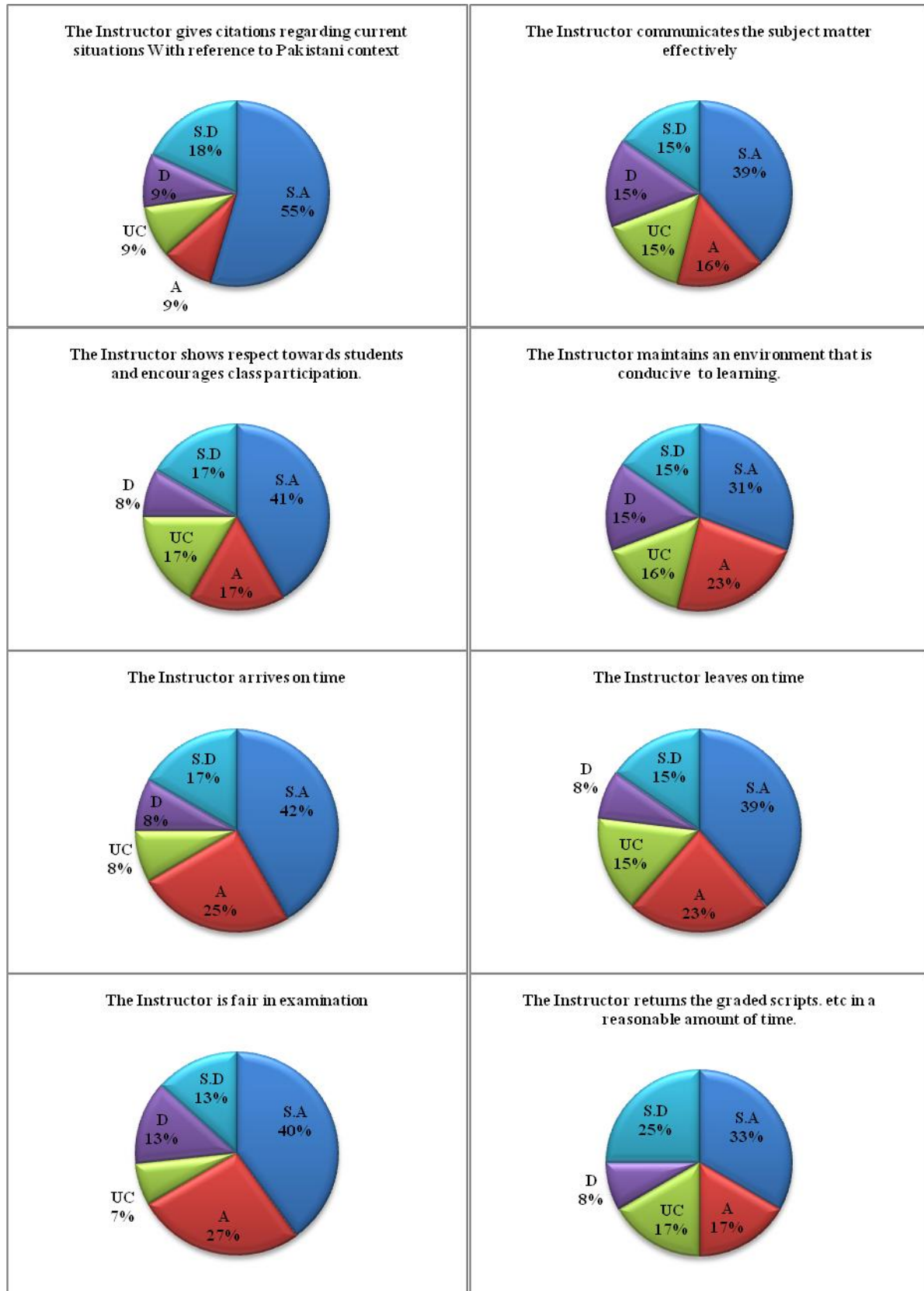
Weaknesses:

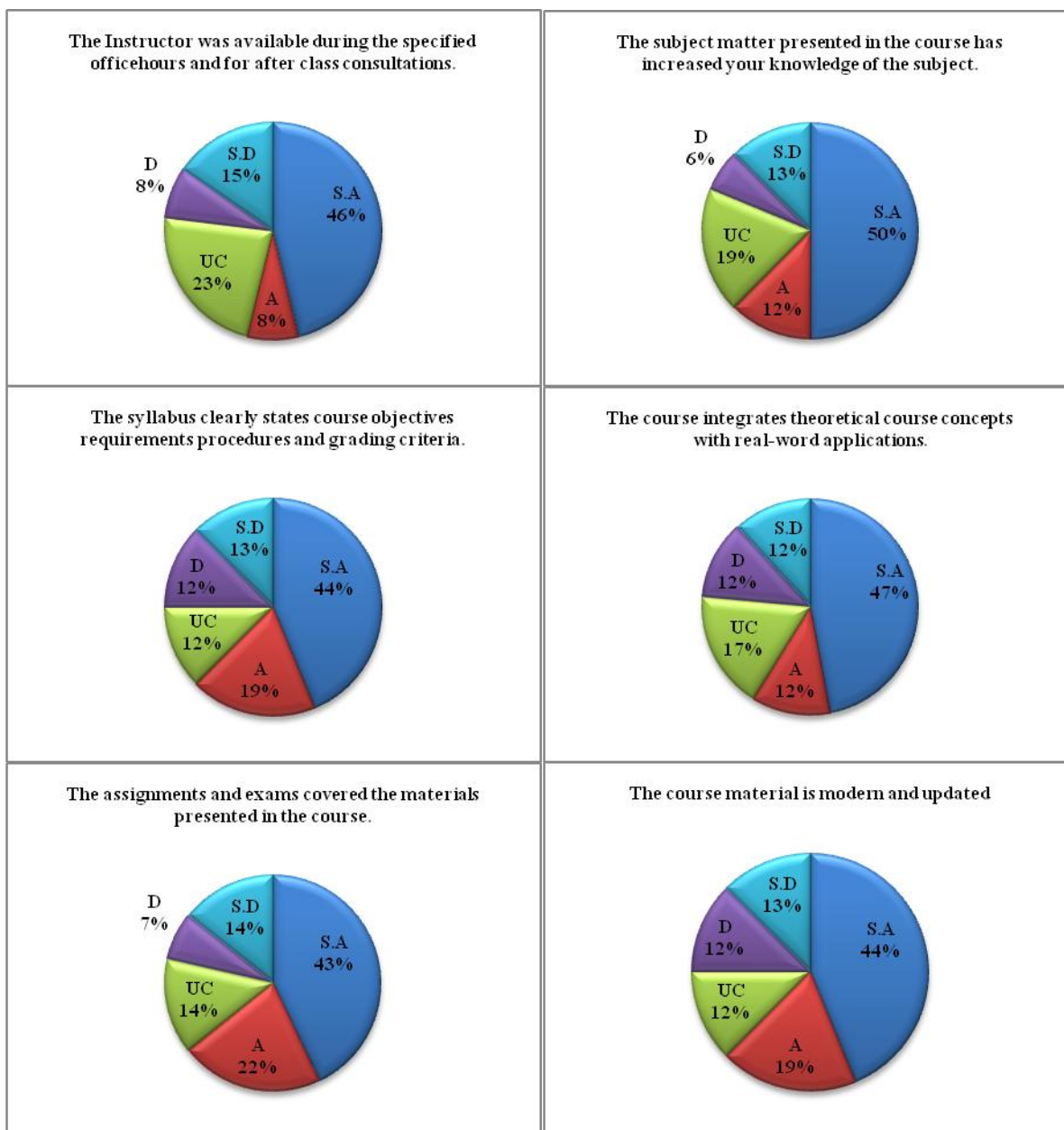
- The syllabus should be reduced.
- Should provide slides and use the whiteboard during lecture

Ms. Bushra Hamid (CS-701)

The graph for “the instructor is prepared for each class”, shows that 50% are strongly agreed, 22% are agreed, 14% are uncertain, 7% are disagreed and 7% are strongly disagreed. The graph for “the instructor provides additional material apart from text” , shows that 42% are strongly agreed, 8% are agreed, 8% are uncertain, 17% are disagreed and 25% are strongly disagreed. The graph for “the instructor maintains an environment that is conducive to learning.” , shows that 31% are strongly agreed, 23% are agreed, 16% are uncertain, 15% are disagreed and 15% are strongly disagreed. The graph for “the subject matter presented in the course has increased your knowledge of the subject” shows that 50% are strongly agreed, 12% are agreed, 19% are uncertain, 6% are disagreed and 13% are strongly disagreed.







General Comments of the Students about the Teacher

Strength:

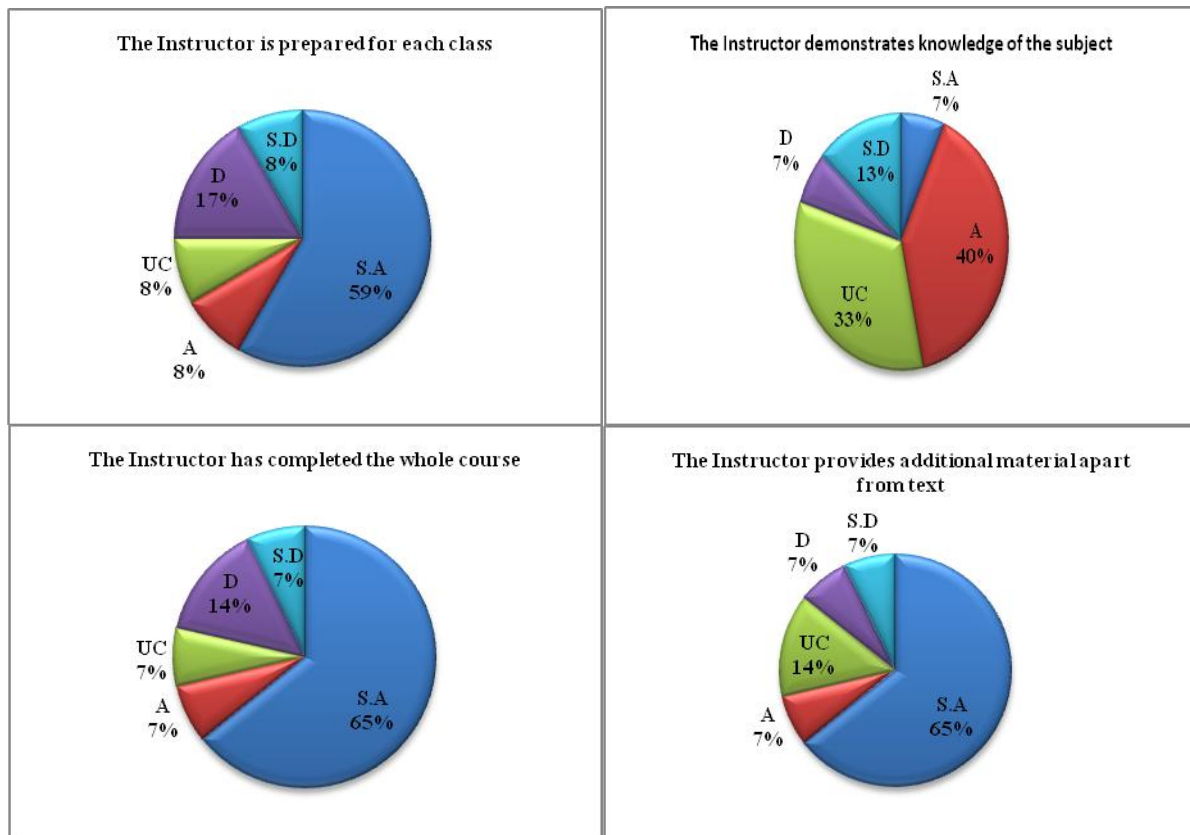
- Comprehensive course material
- Well presented
- Good Teaching method

Weakness:

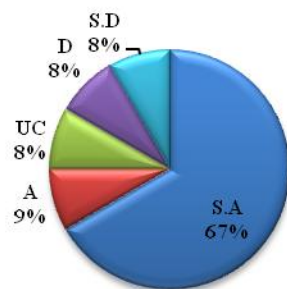
- The instructor should be more responsive to students

Ms. Irum Rubab (CS-745)

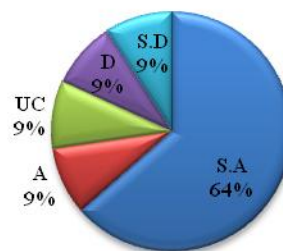
The graph for “the instructor is prepared for each class”, shows that 59% are strongly agreed, 8% are agreed, 8% are uncertain, 17% are disagreed and 8% are strongly disagreed. “The instructor provides additional material apart from text” , shows that 65% are strongly agreed, 7% are agreed, 14% are uncertain, 7% are disagreed and 7% are strongly disagreed. The graph for “the instructor maintains an environment that is conducive to learning.” , shows that 61% are strongly agreed, 8% are agreed, 8% are uncertain, 15% are disagreed and 8% are strongly disagreed. The graph for “the subject matter presented in the course has increased your knowledge of the subject” shows that 54% are strongly agreed, 13% are agreed, 7% are uncertain, 13% are disagreed and 13% are strongly disagreed.



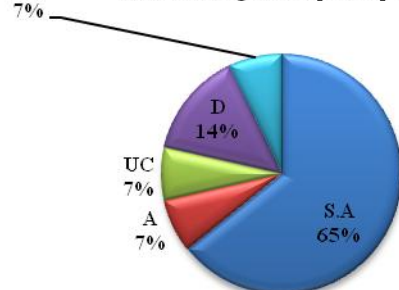
The Instructor gives citations regarding current situations With reference to Pakistani context



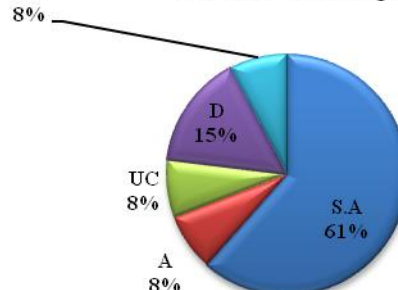
The Instructor communicates the subject matter effectively



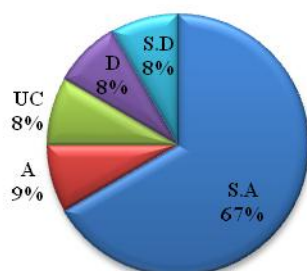
The Instructor shows respect towards students and encourages class participation.



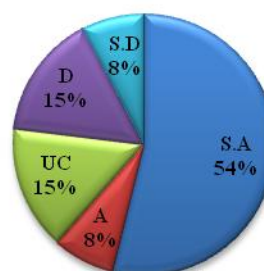
The Instructor maintains an environment that is conducive to learning.



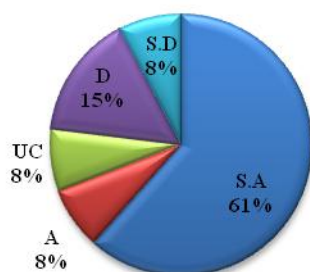
The Instructor arrives on time



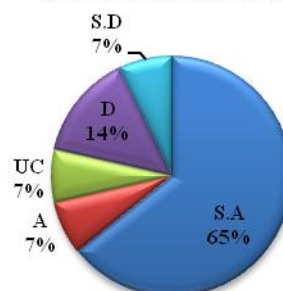
The Instructor leaves on time

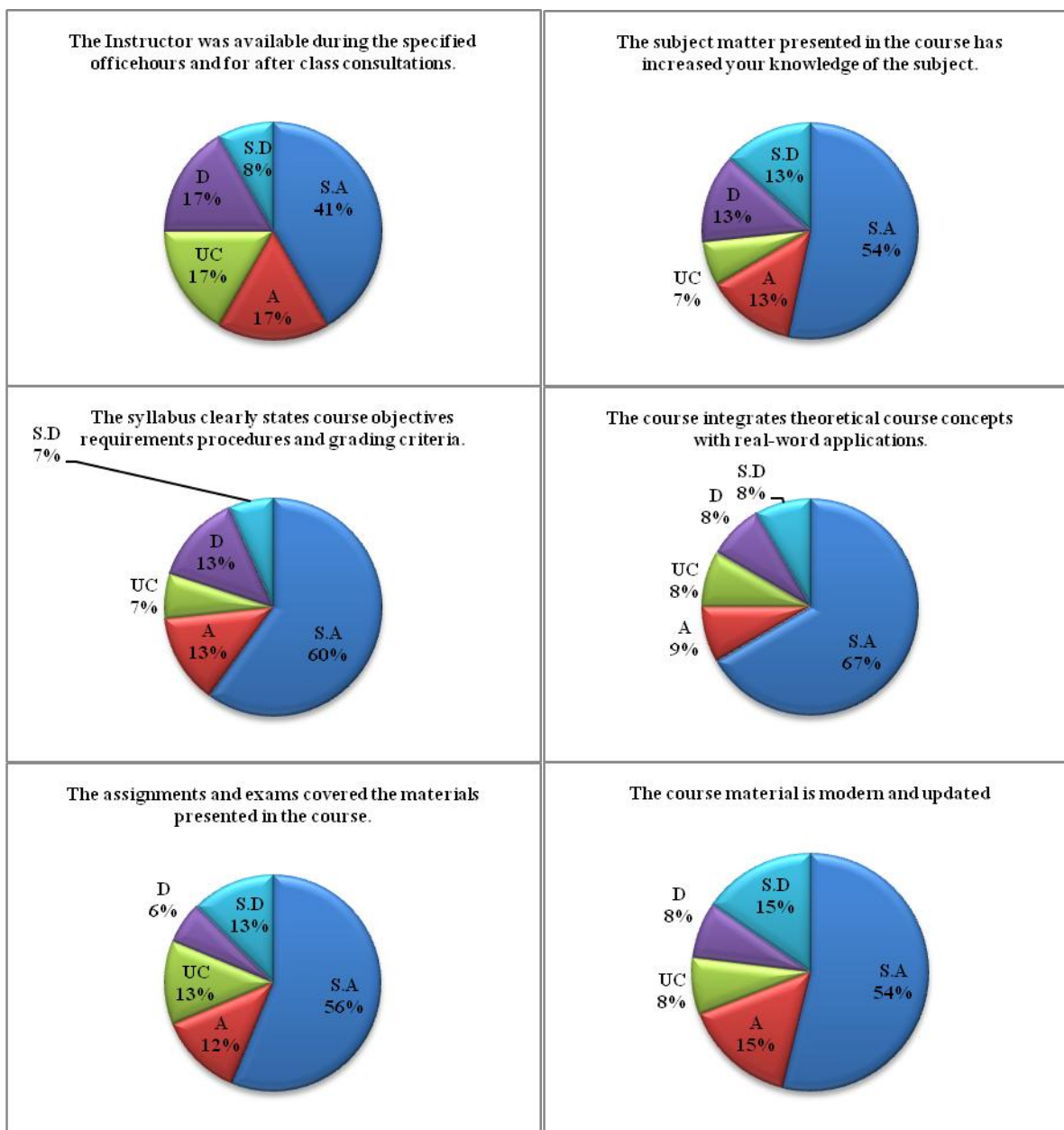


The Instructor is fair in examination



The Instructor returns the graded scripts. etc in a reasonable amount of time.





General Comments of the Students about the Teacher

Strength:

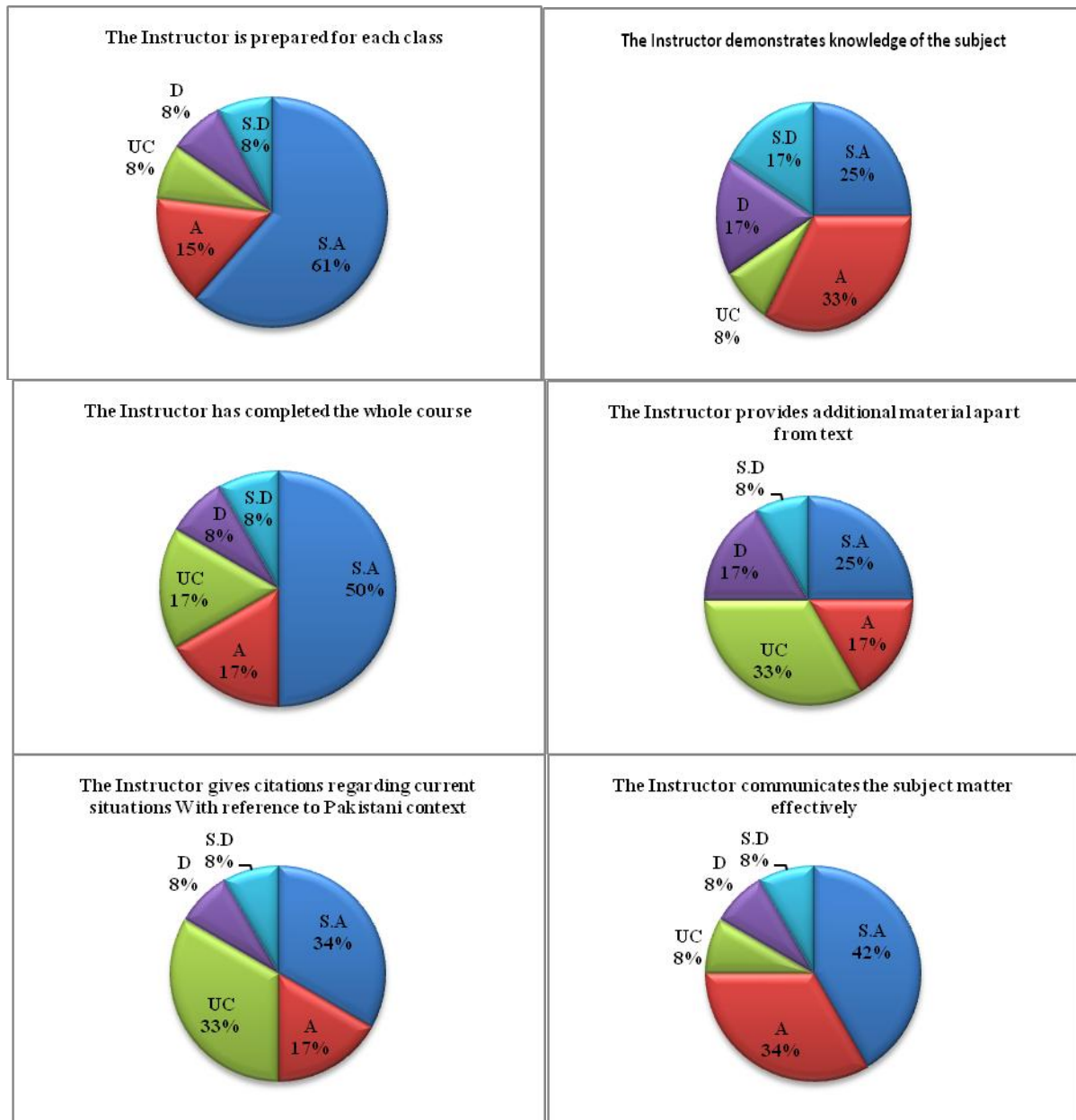
- Punctual
- Good Teaching method

Weakness:

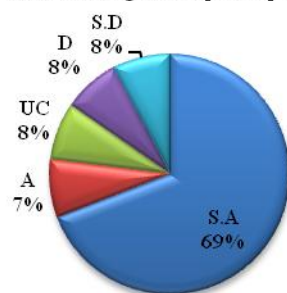
- More workload
- Slides should be provided

Mr. Yasir Hafeez (CS-704)

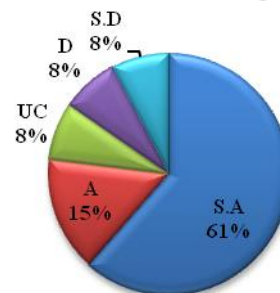
The graph for “the instructor is prepared for each class”, shows that 61% are strongly agreed, 15% are agreed, 8% are uncertain, 8% are disagreed and 8% are strongly disagreed. The instructor provides additional material apart from text” , shows that 25% are strongly agreed, 17% are agreed, 33% are uncertain, 17% are disagreed and 8% are strongly disagreed. The graph for “the instructor maintains an environment that is conducive to learning.”, shows that 61% are strongly agreed, 15% are agreed, 8% are uncertain, 8% are disagreed and 8% are strongly disagreed. The graph for “the subject matter presented in the course has increased your knowledge of the subject” shows that 46% are strongly agreed, 31% are agreed, 7% are uncertain, 8% are disagreed and 8% are strongly disagreed.



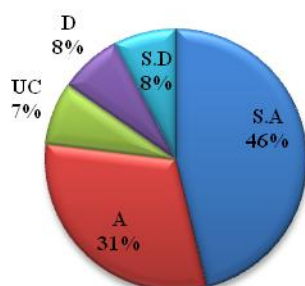
The Instructor shows respect towards students and encourages class participation.



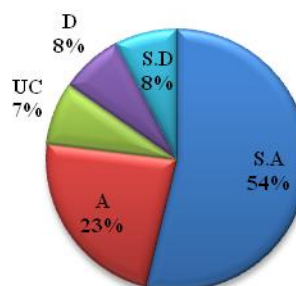
The Instructor maintains an environment that is conducive to learning.



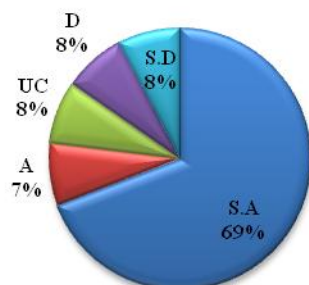
The Instructor arrives on time



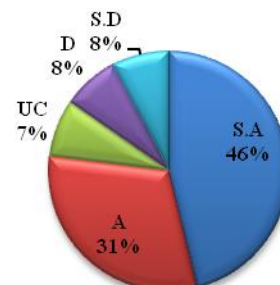
The Instructor leaves on time



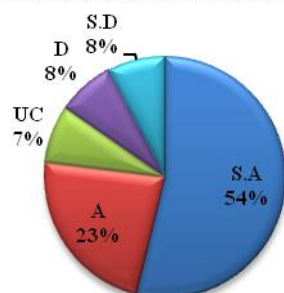
The Instructor is fair in examination



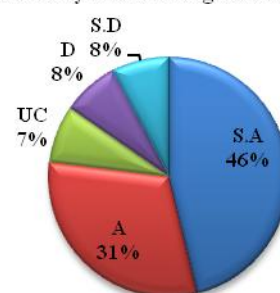
The Instructor returns the graded scripts, etc in a reasonable amount of time.

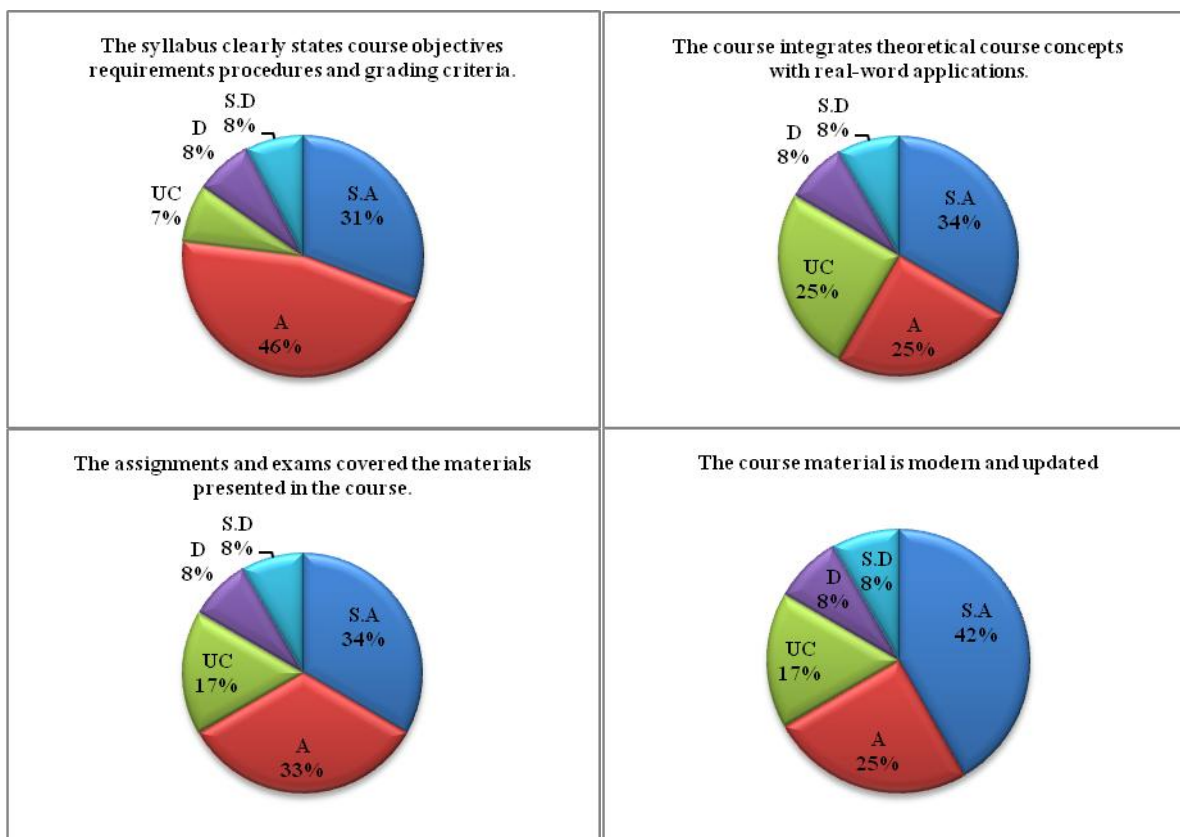


The Instructor was available during the specified officehours and for after class consultations.



The subject matter presented in the course has increased your knowledge of the subject.





General Comments of the Students about the Teacher

Strength:

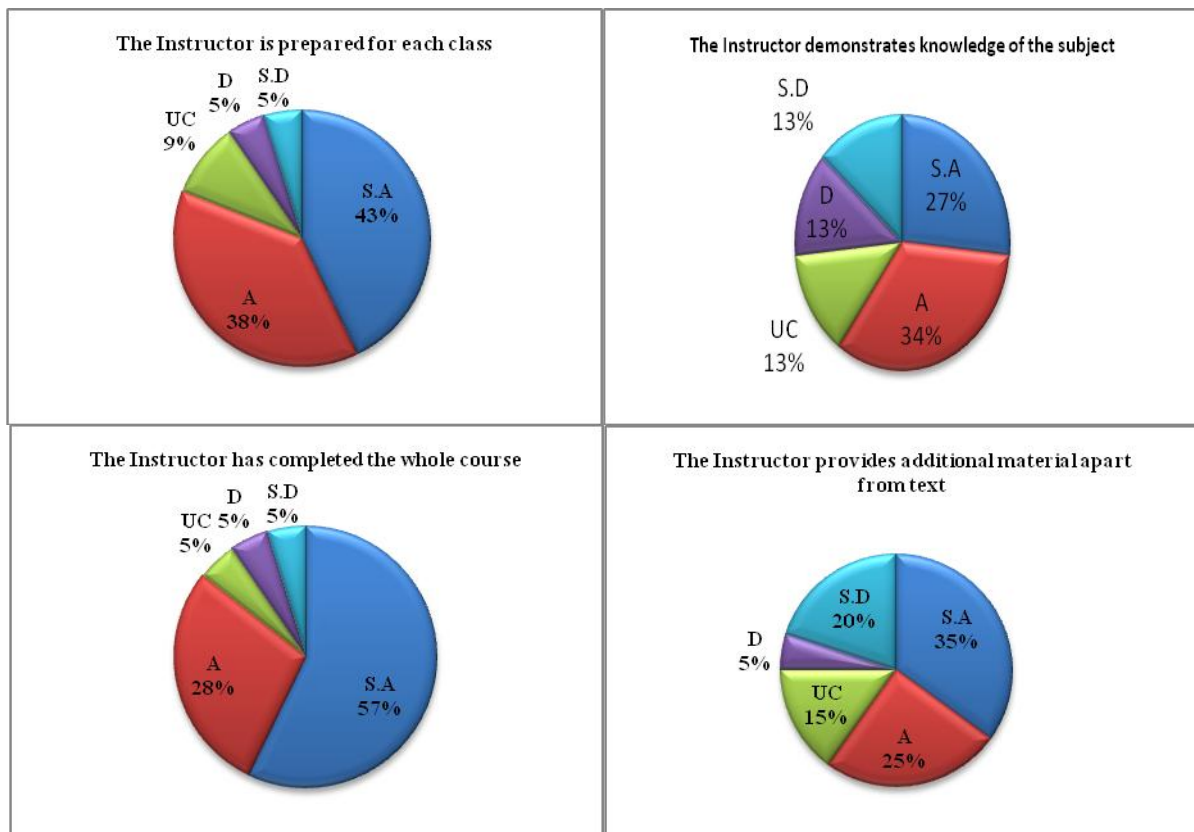
- Well prepared and fair in examination
- Punctual and Respects the students

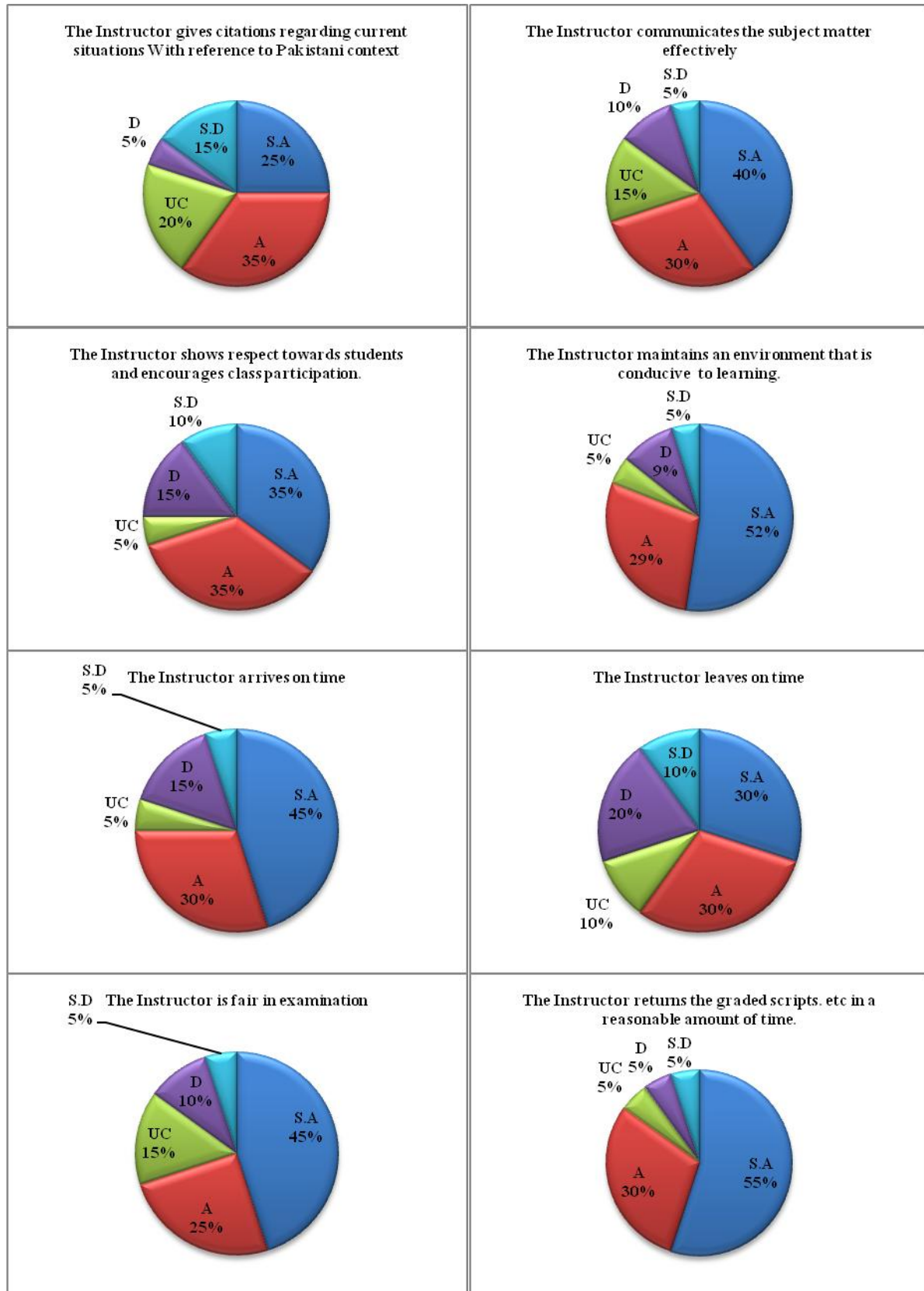
Weakness:

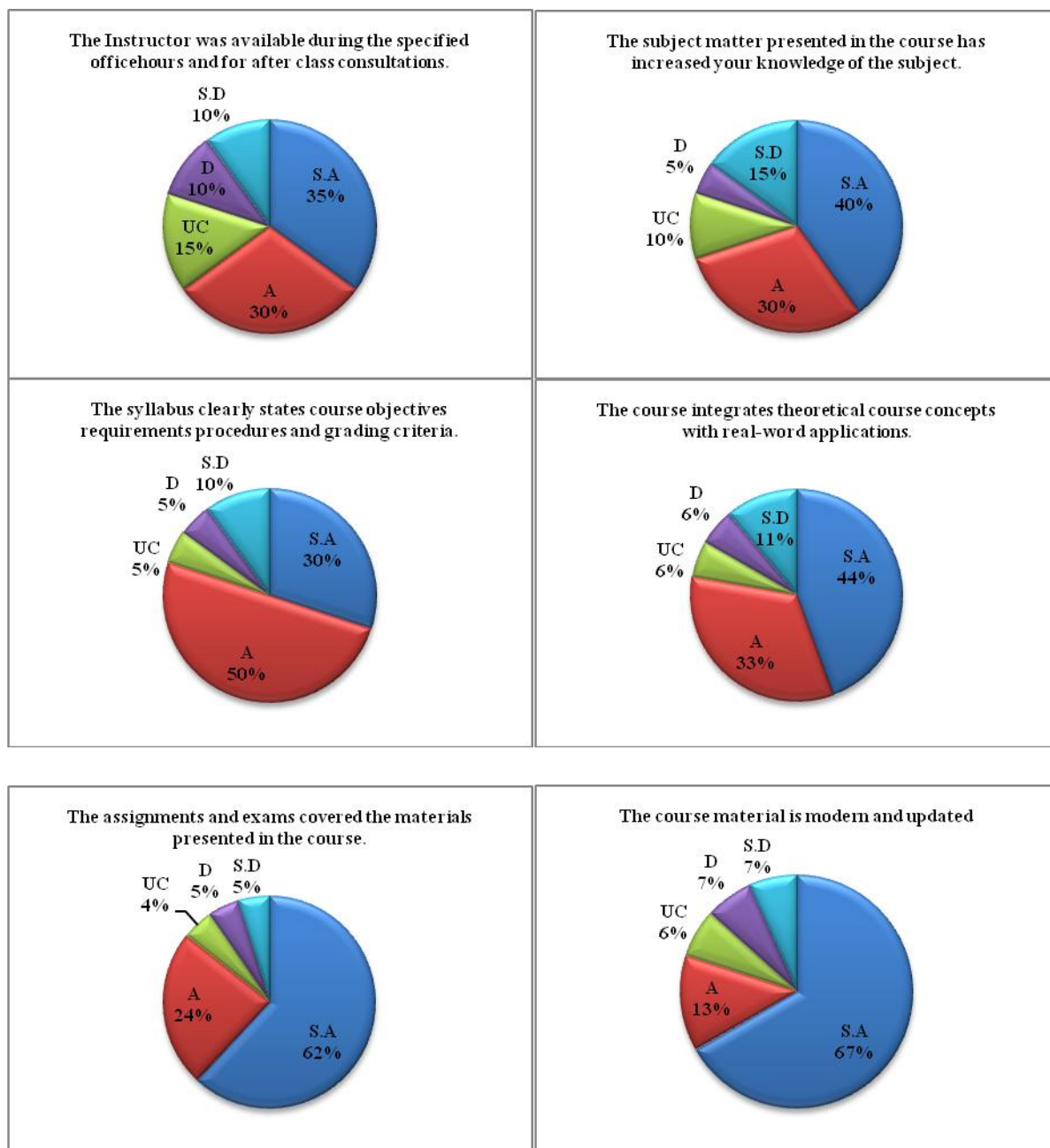
- Need of updated syllabus
- More practical required

Mr. Muhammad Nazir (CS-708)

The graph for “the instructor is prepared for each class”, shows that 43% are strongly agreed, 38% are agreed, 9% are uncertain, 5% are disagreed and 5% are strongly disagreed. The instructor provides additional material apart from text” , shows that 35% are strongly agreed, 25% are agreed, 15% are uncertain, 5% are disagreed and 20% are strongly disagreed. The graph for “the instructor maintains an environment that is conducive to learning.” , shows that 52% are strongly agreed, 29% are agreed, 5% are uncertain, 9% are disagreed and 5% are strongly disagreed. The graph for “the subject matter presented in the course has increased your knowledge of the subject” shows that 40% are strongly agreed, 30% are agreed, 10% are uncertain, 5% are disagreed and 15% are strongly disagreed.







General Comments of the Students about the Teacher

Strength:

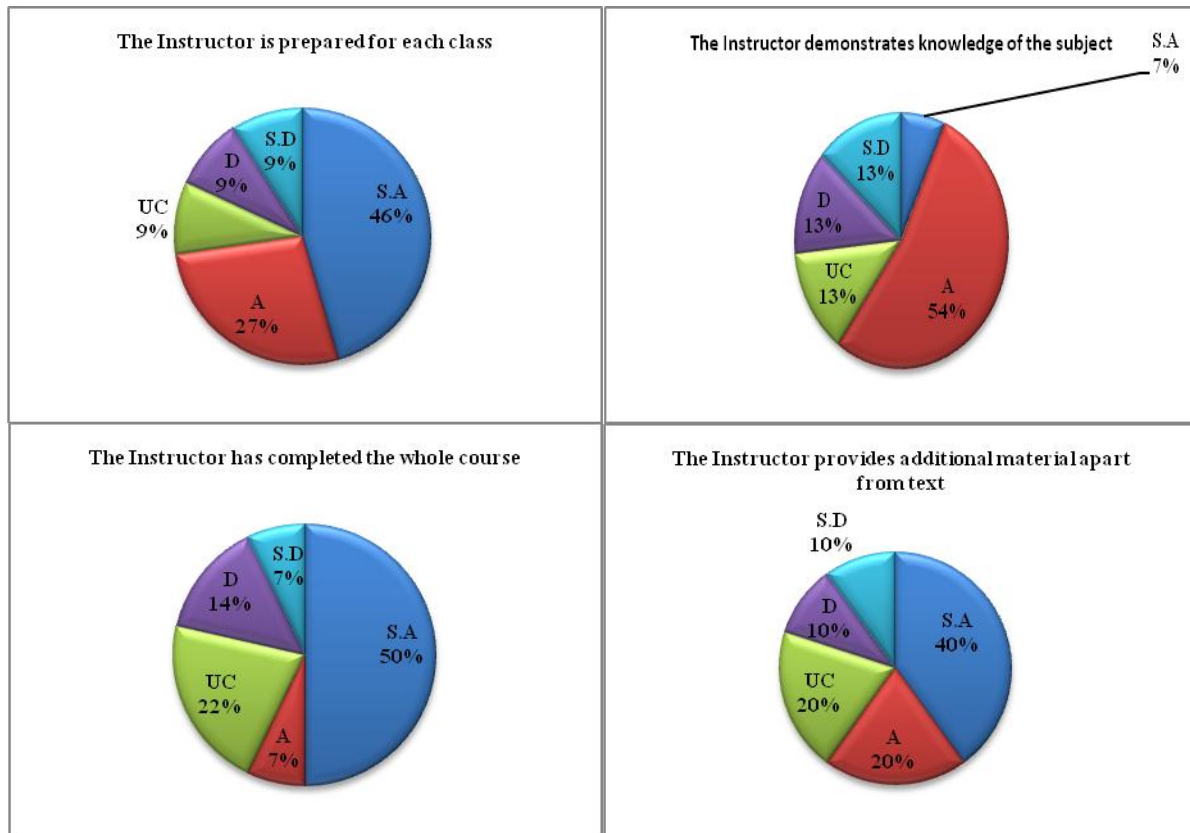
- Good Course objectives
- Well delivered
- Problem solving is good

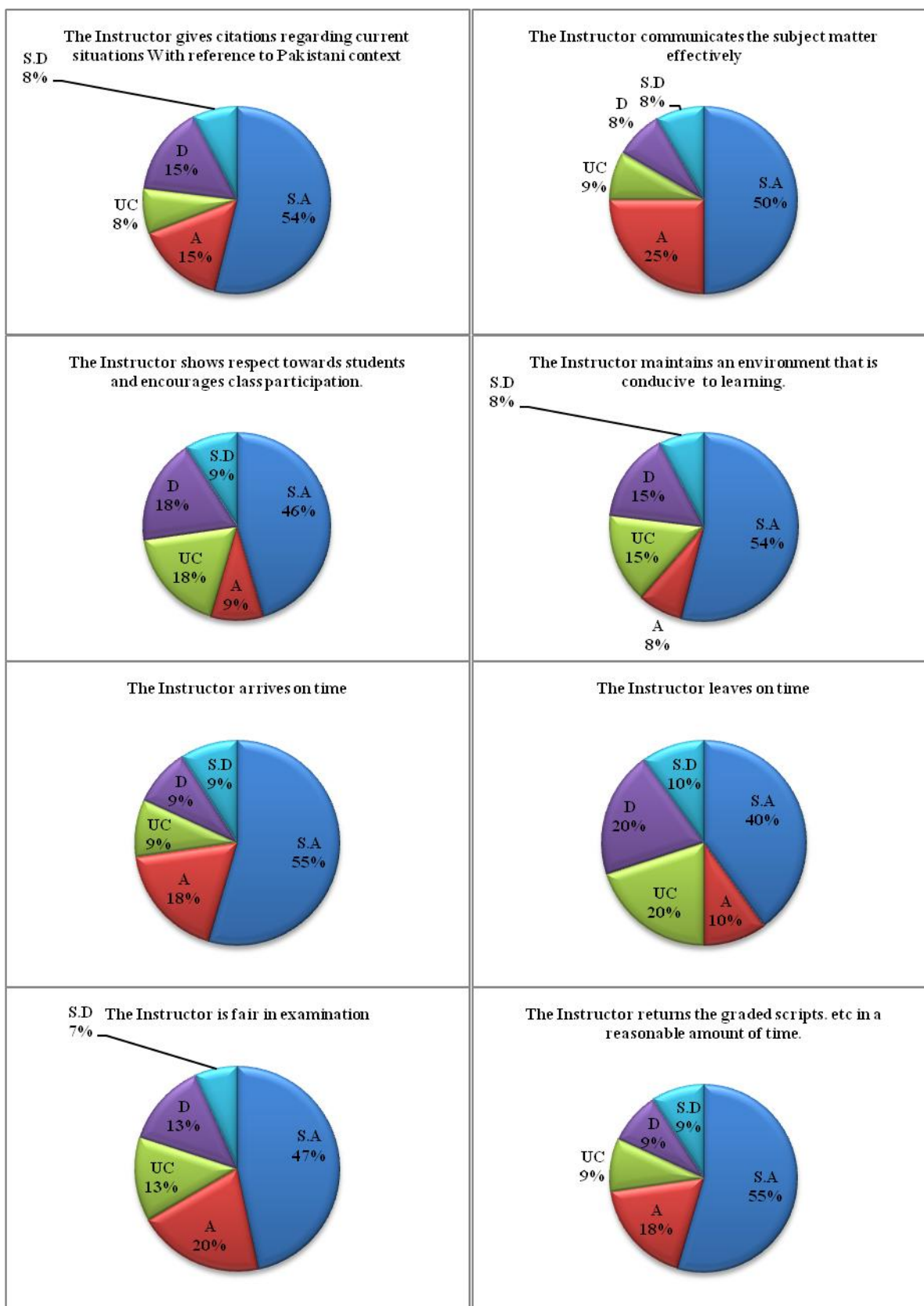
Weaknesses:

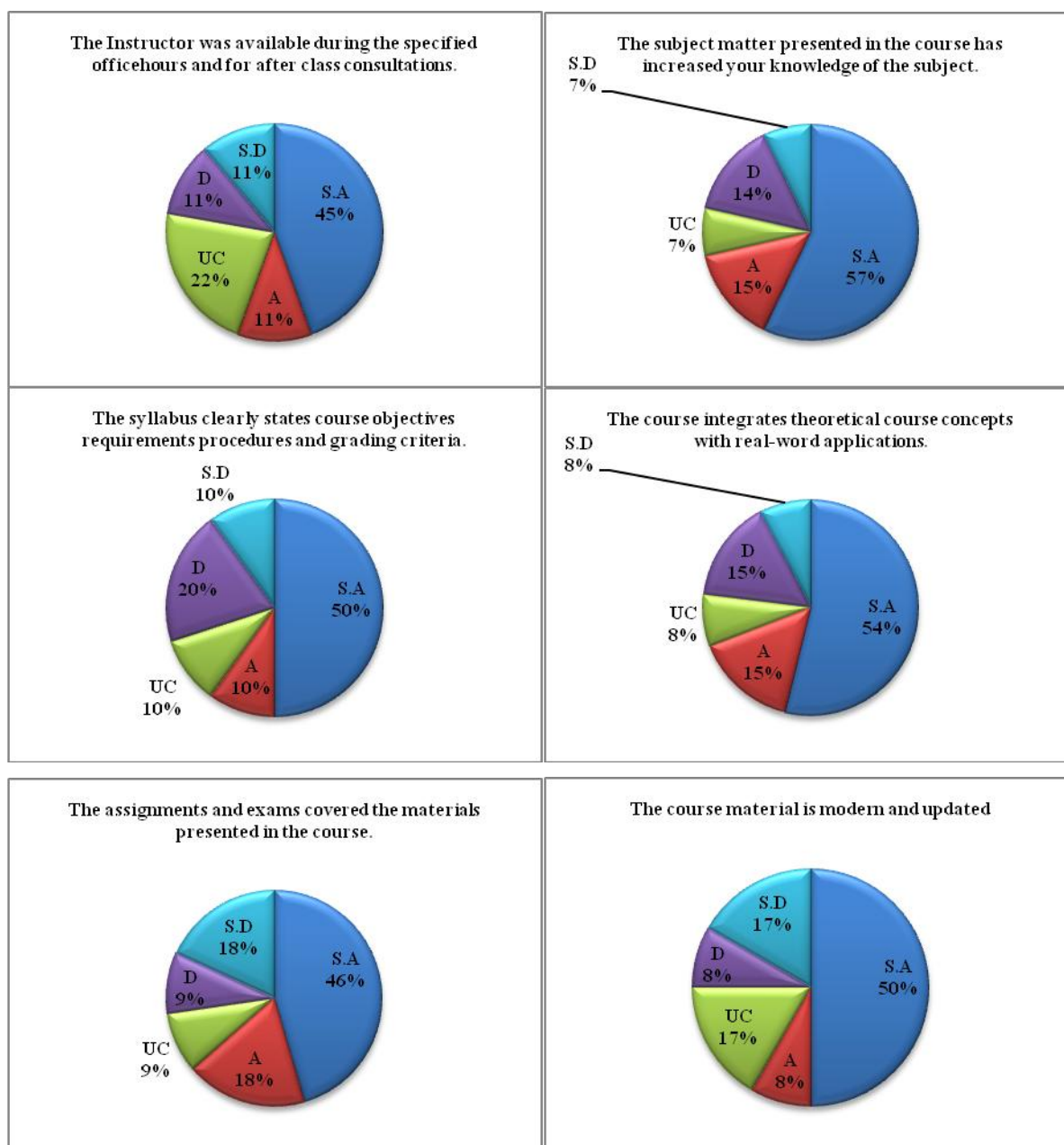
- Need timely feedback

Mr. Yasir Hafeez (CS-704)

The graph shows the detail of evaluation. The graph for “The instructor is prepared for each class”, shows that 46% are strongly agreed, 27% are agreed, 9% are uncertain, 9% are Disagreed and 9% are strongly disagreed. The graph for ” The Instructor provides additional material apart from text” , shows that 40% are strongly agreed, 20% are agreed, 20% are uncertain, 10% are Disagreed and 10% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.” , shows that 54% are strongly agreed, 8% are agreed, 15% are uncertain, 15% are Disagreed and 8% 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, 15% are agreed, 7% are uncertain, 14% are Disagreed and 7% are strongly disagreed.







General Comments of the Students about the Teacher

Strength:

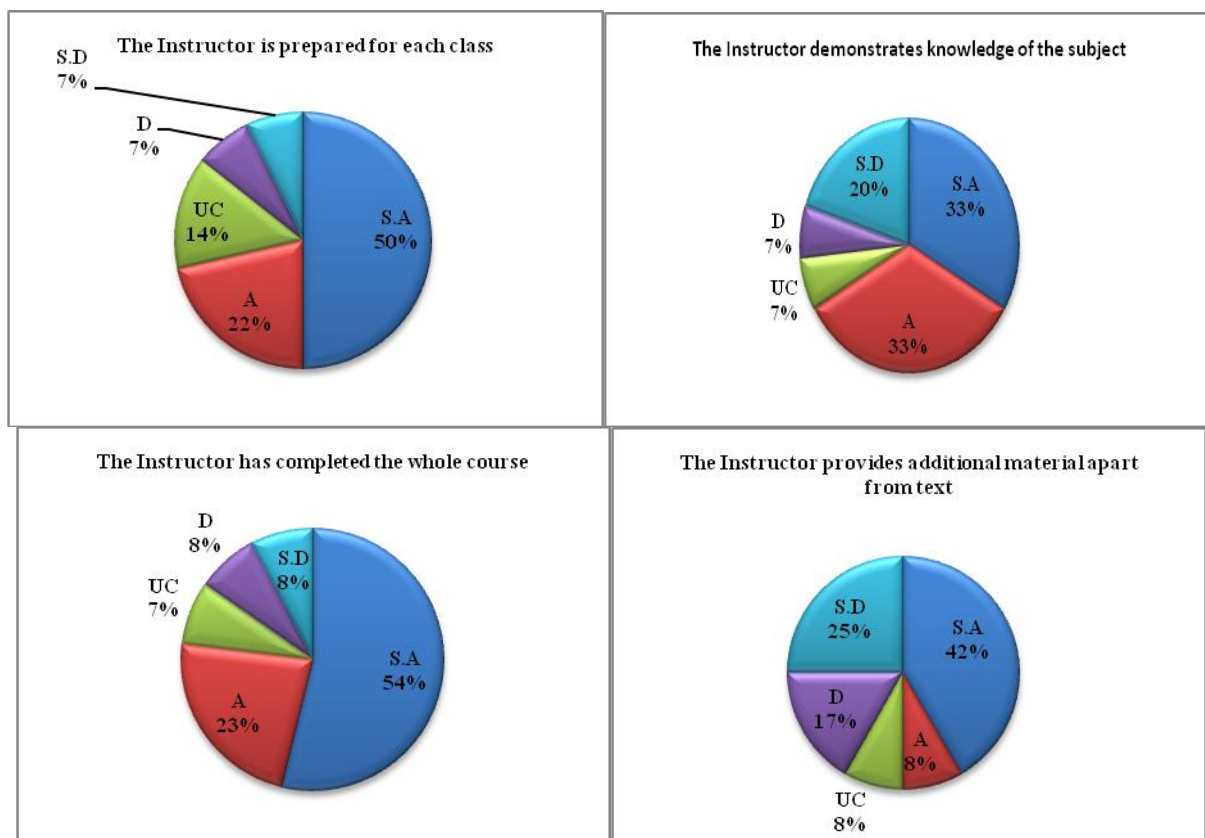
- Punctual in class and fair in examination
- Well prepared and Good communication

Weaknesses:

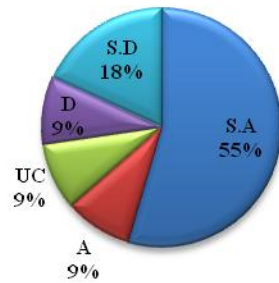
- Course material should be more updated
- The teacher should be available to students for extra help.

Ms. Rubina Ghazal (CS-793)

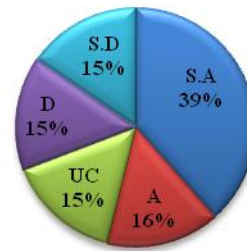
The graph for “The instructor is prepared for each class”, shows that 50% are strongly agreed, 22% are agreed, 14% are uncertain, 7% are Disagreed and 7% are strongly disagreed. The graph for “The Instructor provides additional material apart from text” , shows that 42% are strongly agreed, 8% are agreed, 8% are uncertain, 17% are Disagreed and 25% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.” , shows that 31% are strongly agreed, 23% are agreed, 16% are uncertain, 15% are Disagreed and 15% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 50% are strongly agreed, 12% are agreed, 19% are uncertain, 6% are Disagreed and 13% are strongly disagreed.



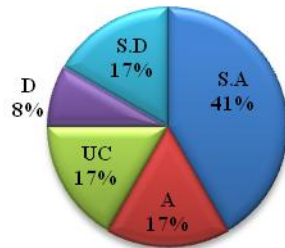
The Instructor gives citations regarding current situations With reference to Pakistani context



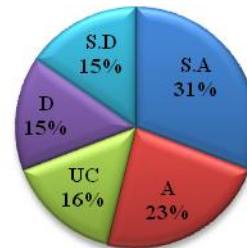
The Instructor communicates the subject matter effectively



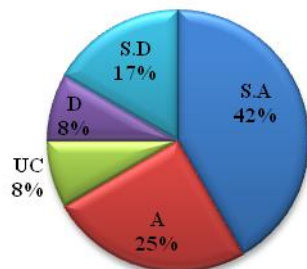
The Instructor shows respect towards students and encourages class participation.



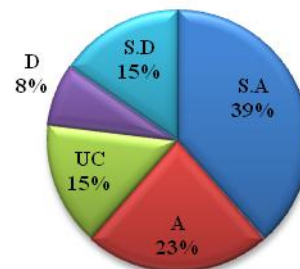
The Instructor maintains an environment that is conducive to learning.



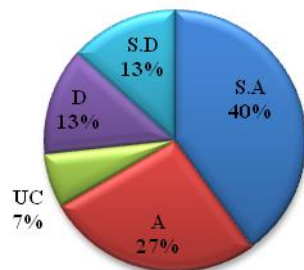
The Instructor arrives on time



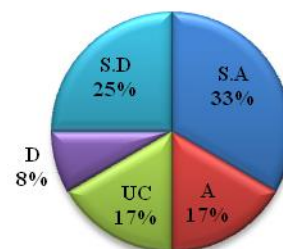
The Instructor leaves on time

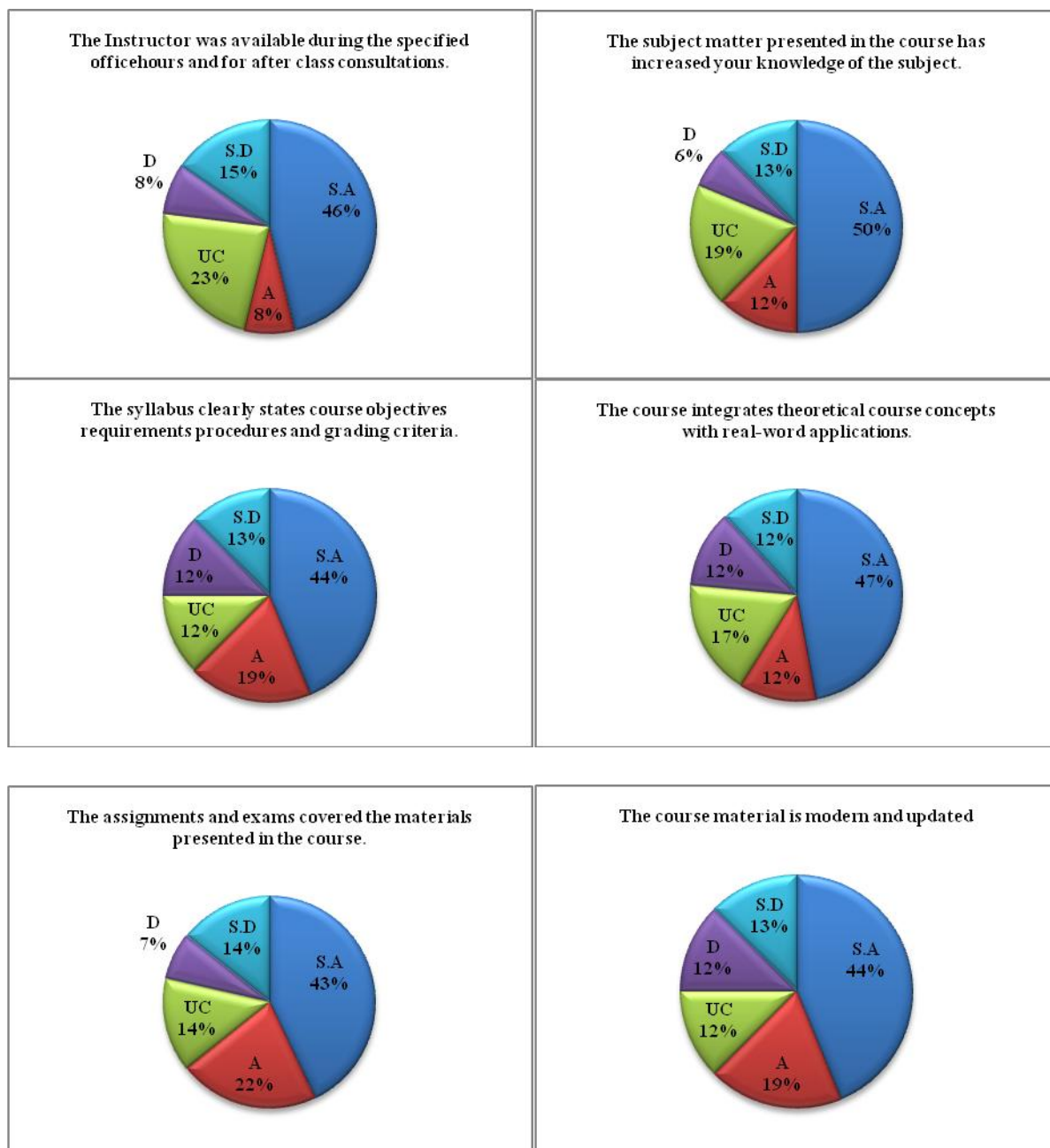


The Instructor is fair in examination



The Instructor returns the graded scripts. etc in a reasonable amount of time.





General Comments of the Students about the Teacher

Strength:

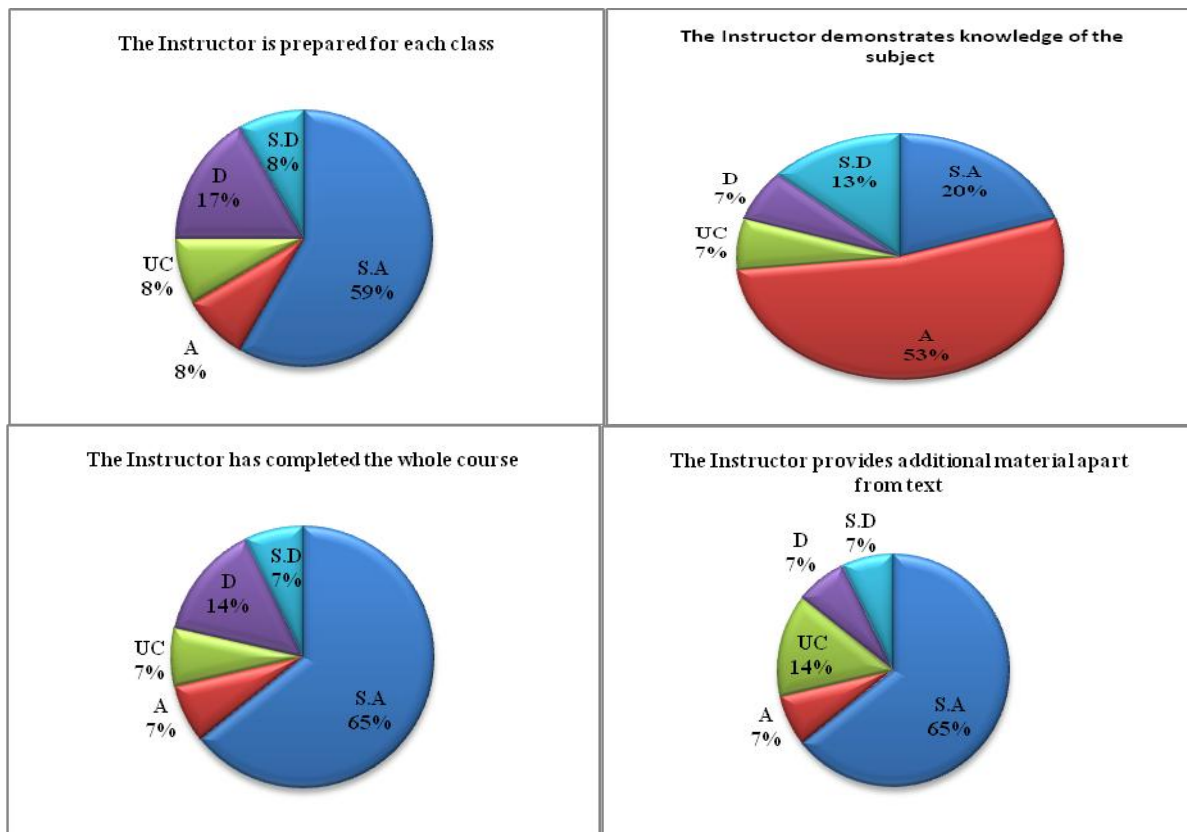
- Comprehensive course material
- Well presented

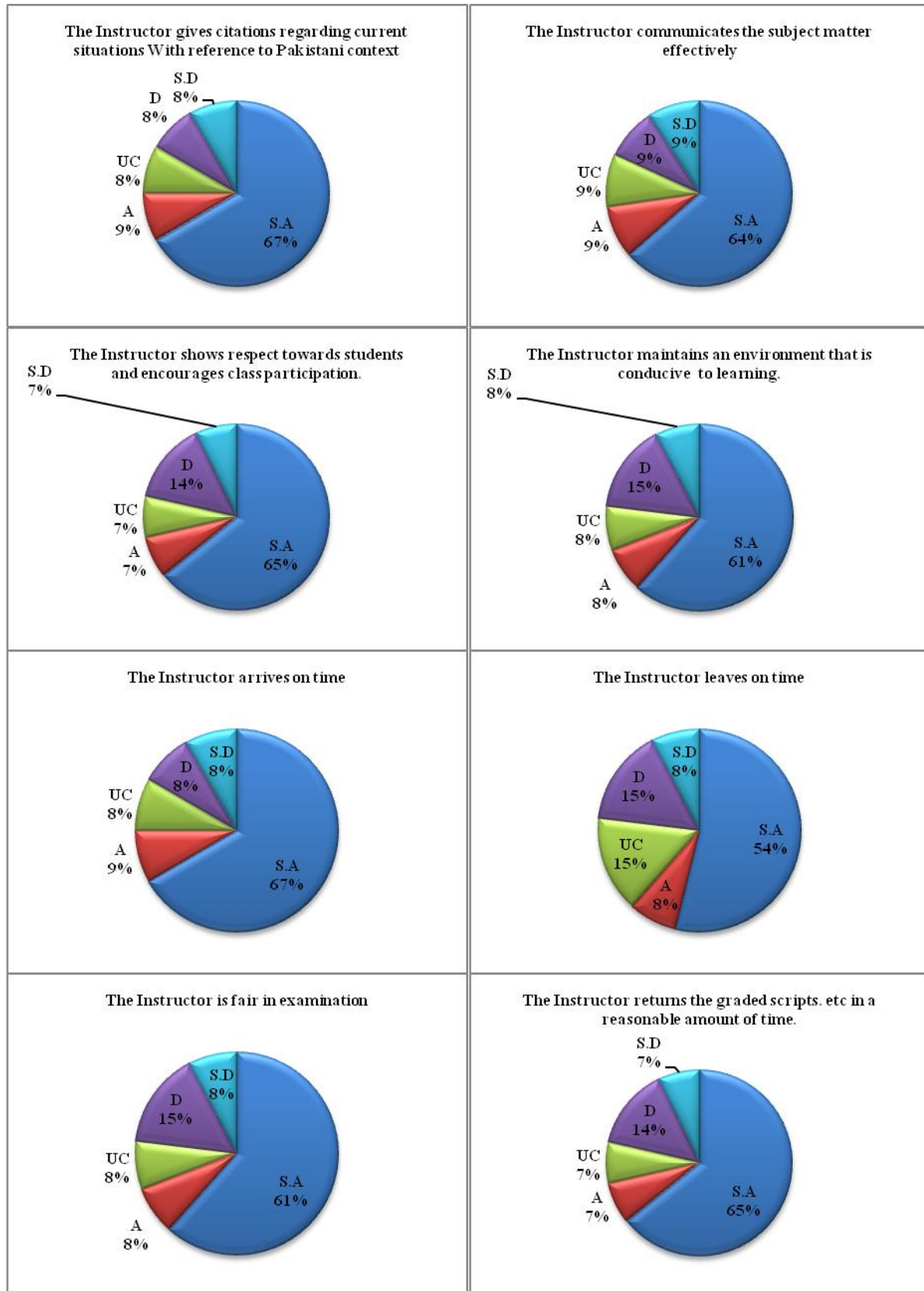
Weakness:

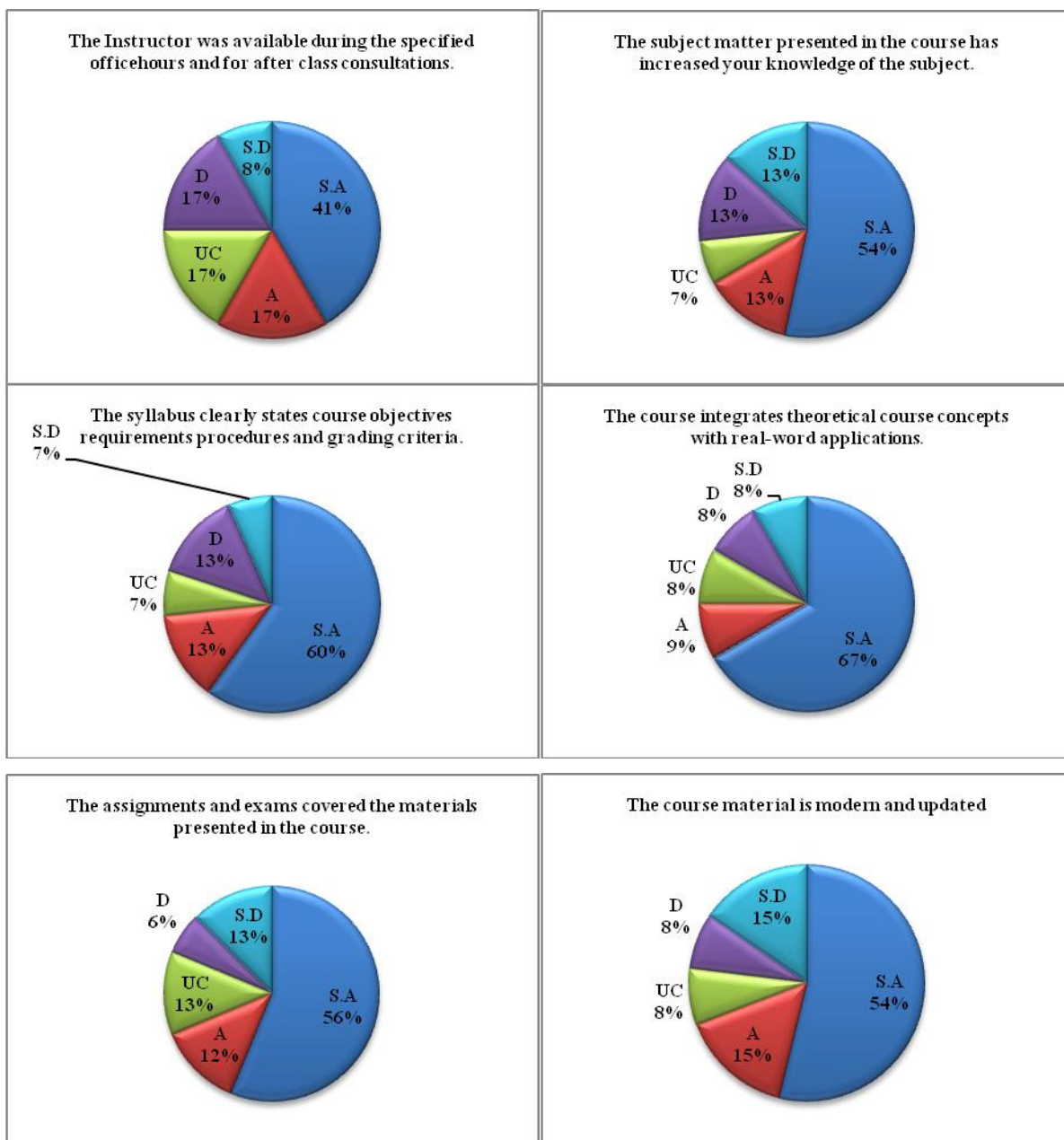
- Teaching method should be improved
- The instructor should be more responsive to students

Mr. Sheeraz Akram (CS-701)

The graph for “The instructor is prepared for each class”, shows that 59% are strongly agreed, 8% are agreed, 8% are uncertain, 17% are Disagreed and 8% are strongly disagreed. “The Instructor provides additional material apart from text” , shows that 65% are strongly agreed, 7% are agreed, 14% are uncertain, 7% are Disagreed and 7% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.” , shows that 61% are strongly agreed, 8% are agreed, 8% are uncertain, 15% are Disagreed and 8% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 54% are strongly agreed, 13% are agreed, 7% are uncertain, 13% are Disagreed and 13% are strongly disagreed.







General Comments of the Students about the Teacher

Strength:

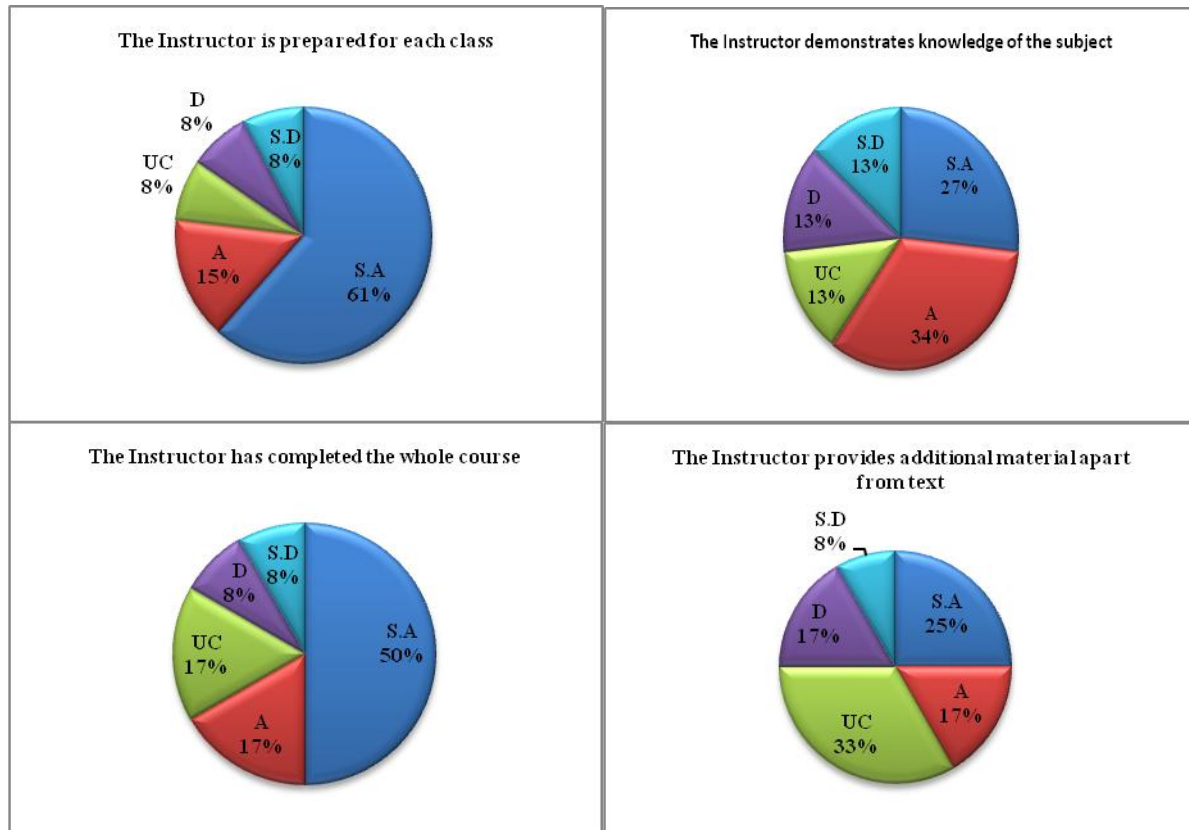
- Comprehensive course material
- Well presented
- Good Teaching method

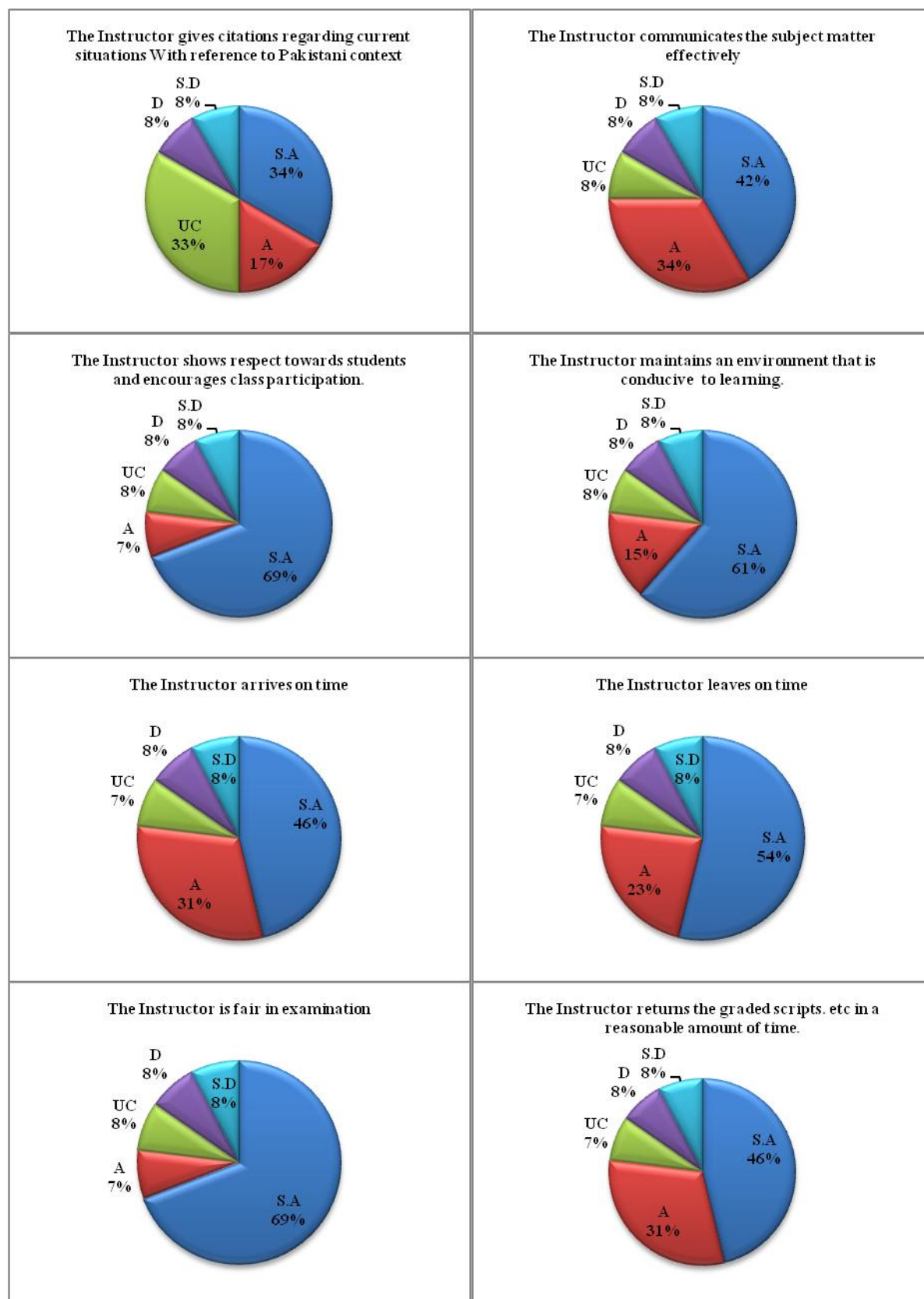
Weakness:

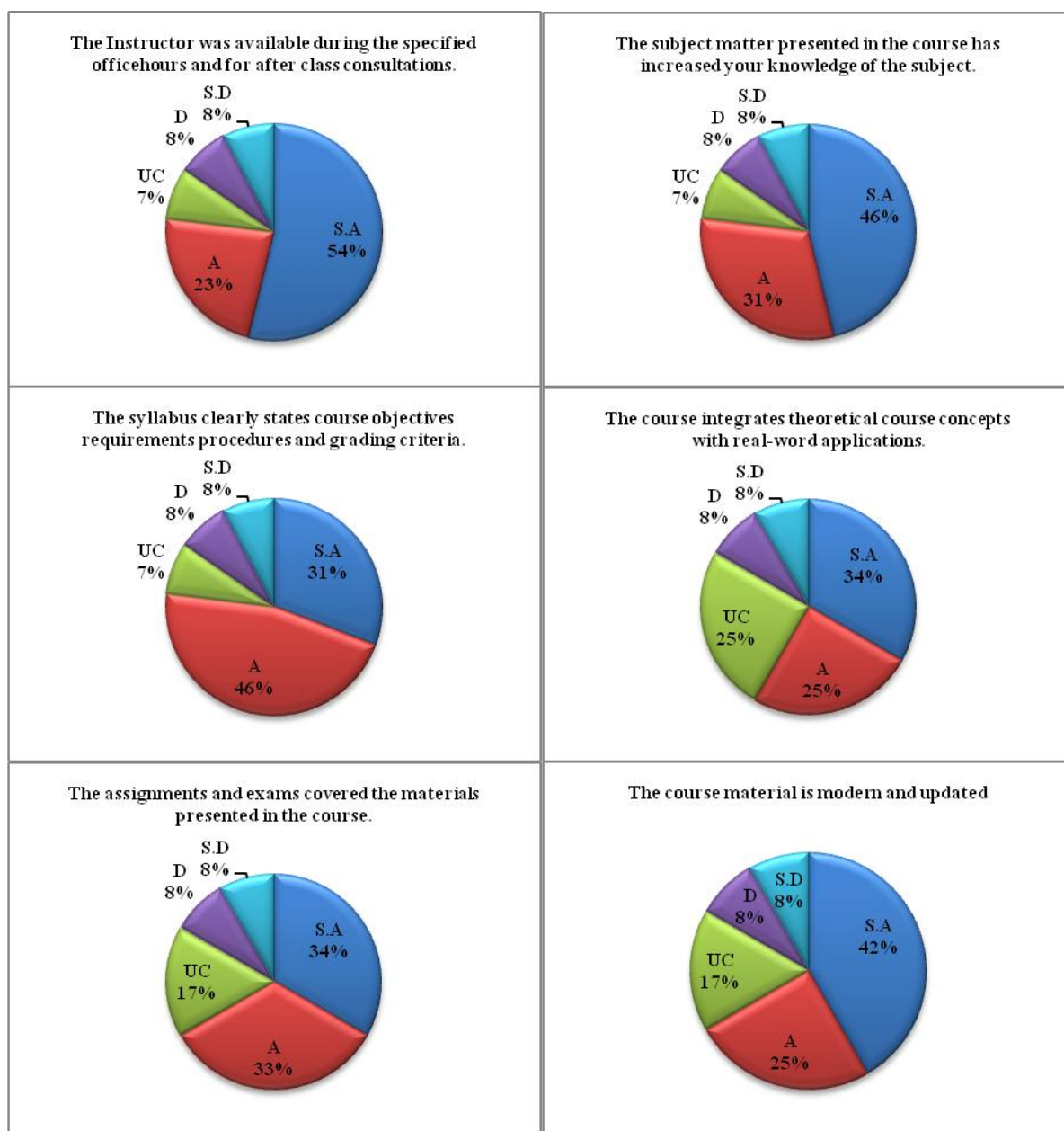
- More workload

Mr. M. Shabbir Hassan (CS-745)

The graph for “The instructor is prepared for each class”, shows that 61% are strongly agreed, 15% are agreed, 8% are uncertain, 8% are Disagreed and 8% are strongly disagreed. The Instructor provides additional material apart from text”, shows that 25% are strongly agreed, 17% are agreed, 33% are uncertain, 17% are Disagreed and 8% are strongly disagreed. The graph for “The Instructor maintains an environment that is conducive to learning.”, shows that 61% are strongly agreed, 15% are agreed, 8% are uncertain, 8% are Disagreed and 8% are strongly disagreed. The graph for “The subject matter presented in the course has increased your knowledge of the subject” shows that 46% are strongly agreed, 31% are agreed, 7% are uncertain, 8% are Disagreed and 8% are strongly disagreed.







General Comments of the Students about the Teacher

Strength:

- Well prepared and fair in examination
- Punctual and Respects the students

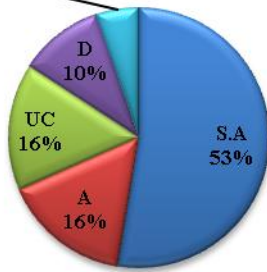
Strength:

- The syllabus needs improvement
- More practical assignments required

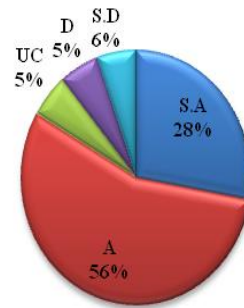
Mr. Nasir Mehmood (CS- 772)

The graph shows the details of the evaluation. The instructor is well prepared for each class. This can be seen in the graph “The instructor is prepared for each class”. (53% strongly agreed, 16% agreed, 16% are uncertain, 10% disagreed and 5% strongly disagreed). The instructor has also completed the whole course. The graph “The instructor has completed the whole course” indicates this. (67% strongly agreed, 13% agreed, 6% are uncertain, 7% disagreed and 7% strongly disagreed). The instructor has good communication skills, as shown in the graph “The instructor communicates the subject matter effectively”. (50% strongly agreed, 32% agreed, 6% are uncertain, 6% disagreed and 6% strongly disagreed). The instructor is also prepared well for each class. The graph “The instructor is prepared for each class” shows this. (42% strongly agreed, 26% agreed, 16% are uncertain, 11% disagreed and 5% strongly disagreed). The instructor is punctual as reflected in the graph “The instructor arrives on time” (69% strongly agreed, 13% agreed, 6% are uncertain, 6% disagreed and 6% strongly disagreed) and the graph “The instructor leaves on time” (73% strongly agreed, 6% agreed, 7% are uncertain, 7% disagreed and 7% strongly disagreed). The instructor is fair in examinations. The graph “The instructor is fair in examination” shows this. (72% strongly agreed, 7% agreed, 7% are uncertain, 7% disagreed and 7% strongly disagreed)

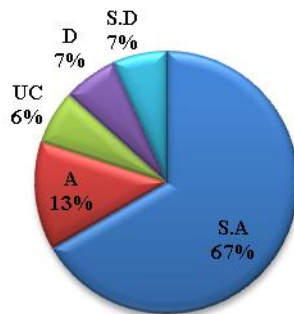
S.D The Instructor is prepared for each class
5%



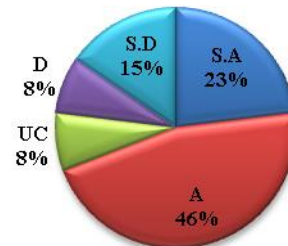
The Instructor demonstrates knowledge of the subject



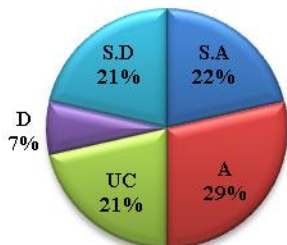
The Instructor has completed the whole course



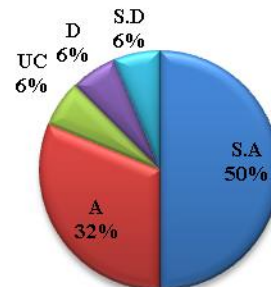
The Instructor provides additional material apart from text



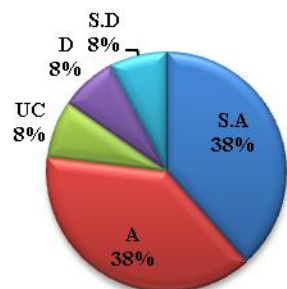
The Instructor gives citations regarding current situations With reference to Pakistani context



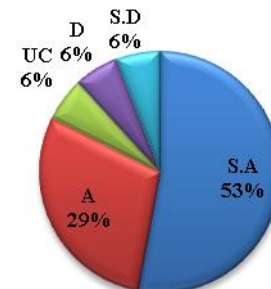
The Instructor communicates the subject matter effectively

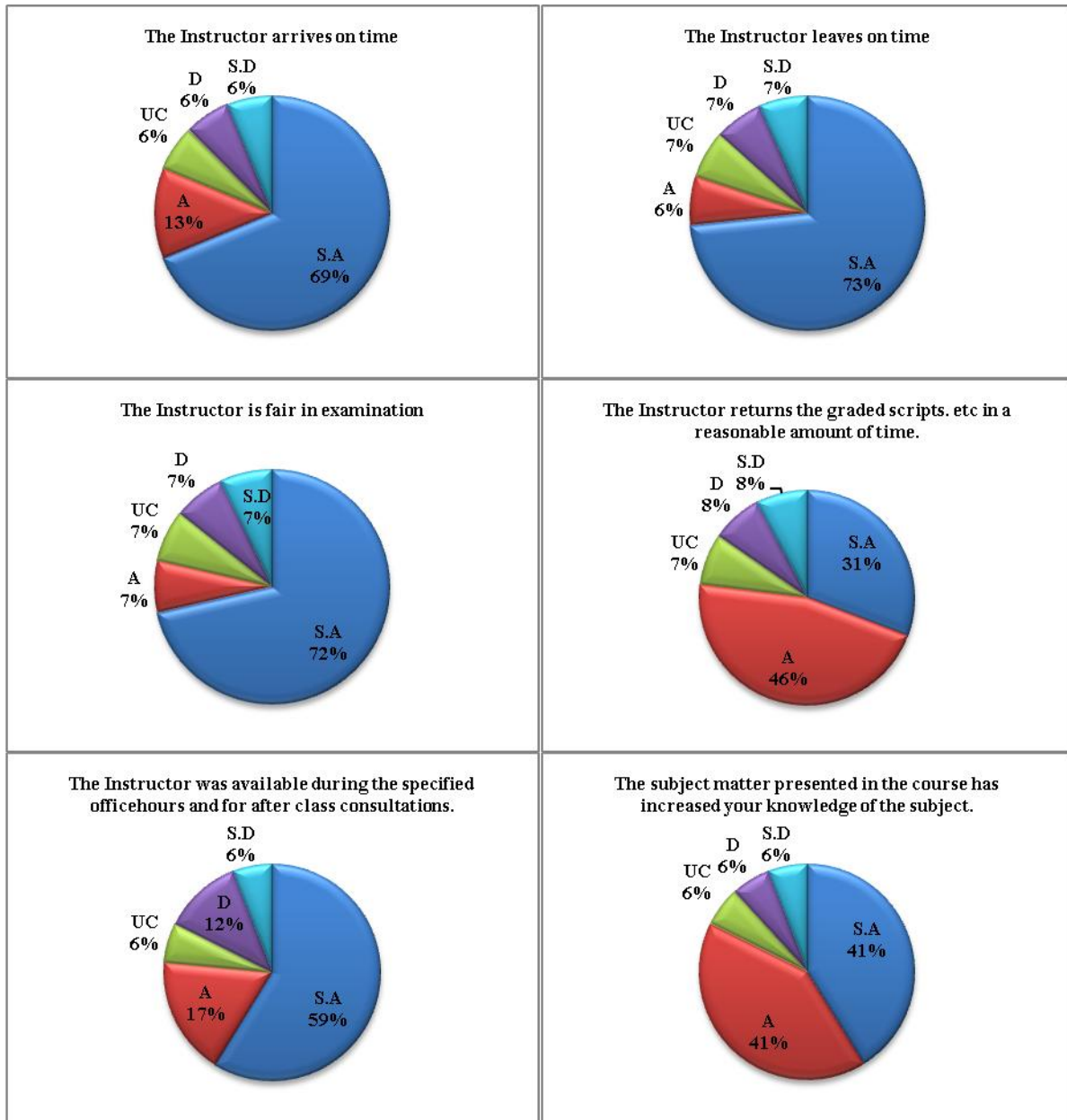


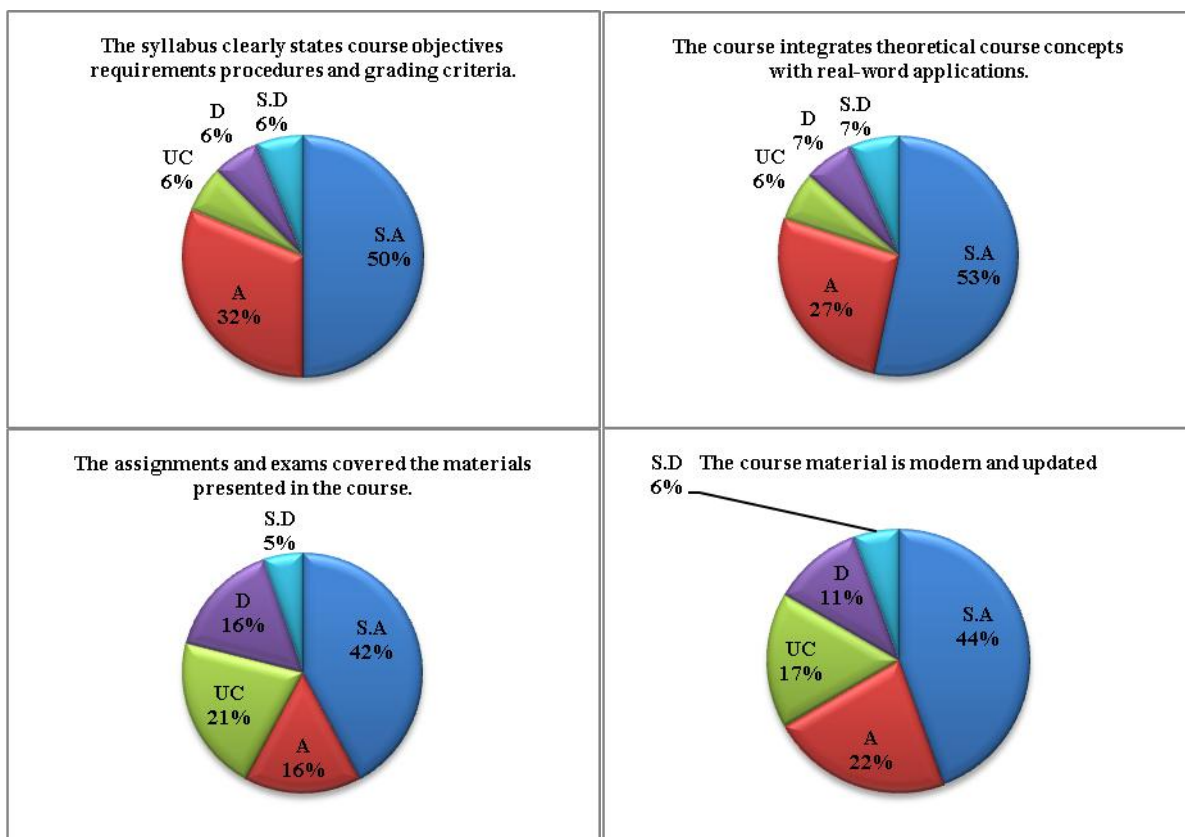
The Instructor shows respect towards students and encourages class participation.



The Instructor maintains an environment that is conducive to learning.







General Comments of the Students about the Teacher

Strength:

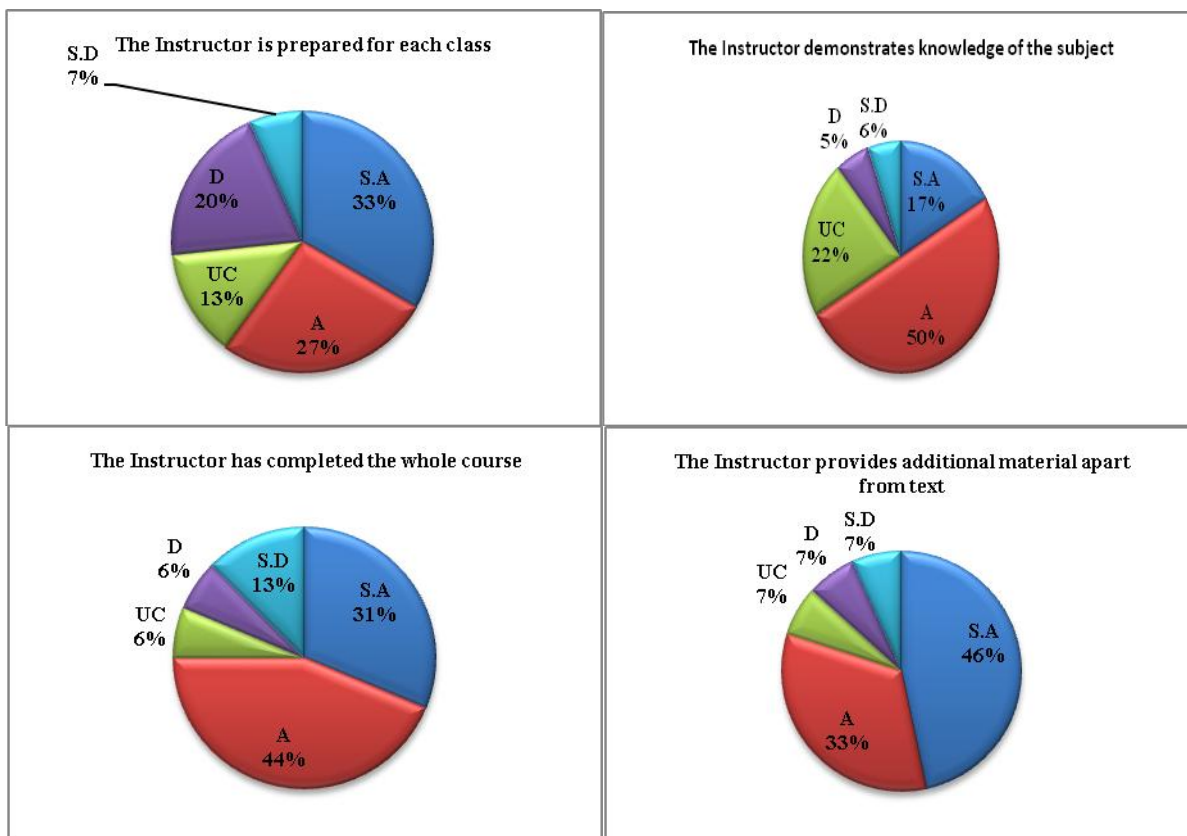
- Punctual in class and good communication
- Fair in examinations
- Well prepared

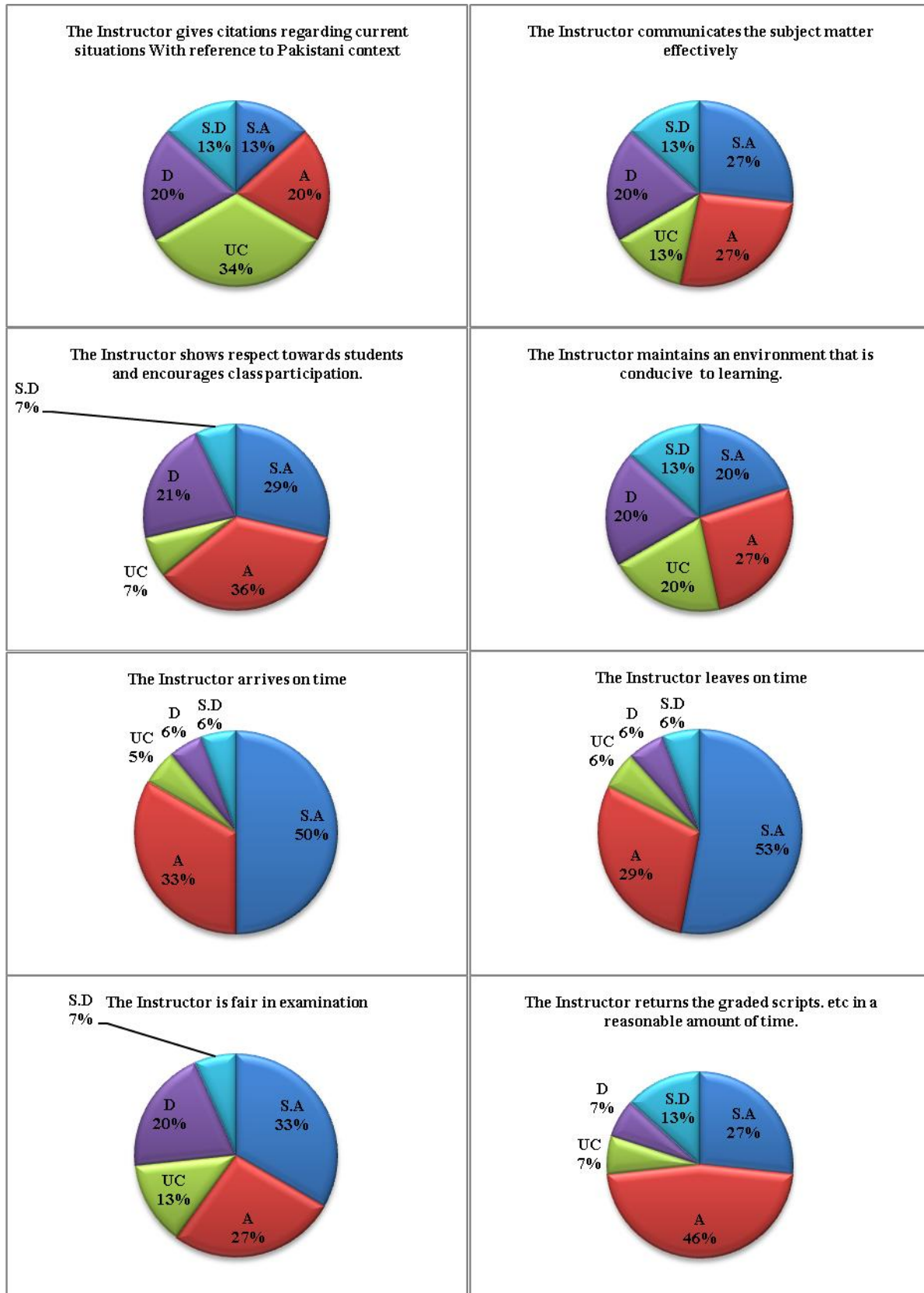
Weaknesses:

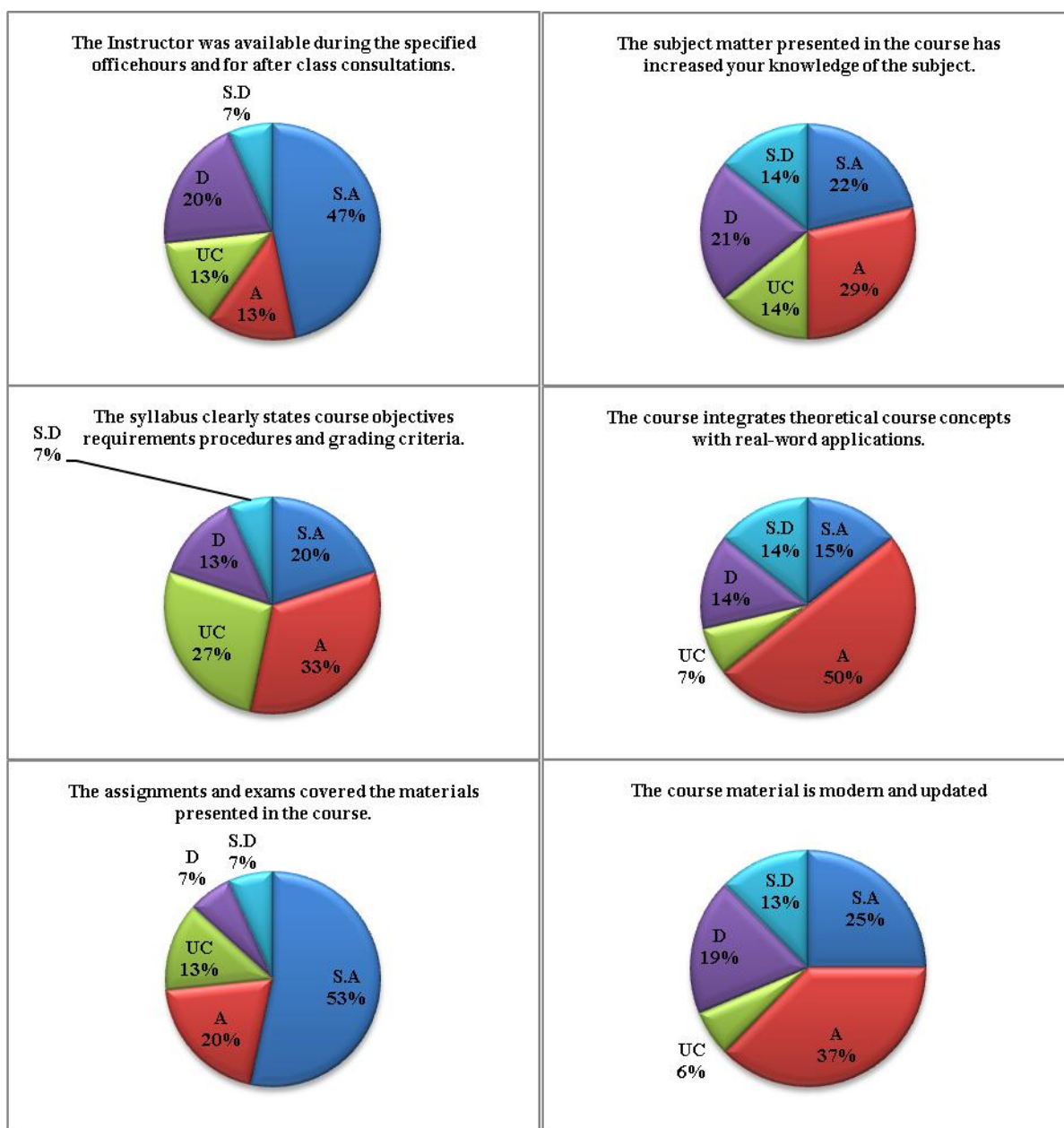
- Course material should be more updated
- The teacher should return graded scripts within reasonable time.

Mr. Shehzad Saqib (CS-727)

The graph shows the details of the evaluation. The instructor has completed the whole course. The graph “The instructor has completed the whole course” indicates this. (31% strongly agreed, 44% agreed, 6% are uncertain, 6% disagreed and 13% strongly disagreed). The instructor is punctual as reflected in the graph “The instructor arrives on time” (50% strongly agreed, 33% agreed, 5% are uncertain, 6% disagreed and 6% strongly disagreed) and the graph “The instructor leaves on time” (53% strongly agreed, 29% agreed, 6% are uncertain, 6% disagreed and 6% strongly disagreed). The instructor returns graded material on time. The graph “The instructor returns graded scripts in a reasonable amount of time” shows this. (27% strongly agreed, 46% agreed, 7% are uncertain, 7% disagreed and 13% strongly disagreed). The instructor also provides additional study material apart from the text to students. The graph “The instructor provides additional material apart from text reflects this. (46% strongly agreed, 33% agreed, 7% are uncertain, 7% disagreed and 7% strongly disagreed). The instructor show respects towards the students as shown in the graph “The instructor shows respect towards students and encourages class participation”. (29% strongly agreed, 36% agreed, 7% are uncertain, 21% disagreed and 7% strongly disagreed).







General Comments of the Students about the Teacher

Strength:

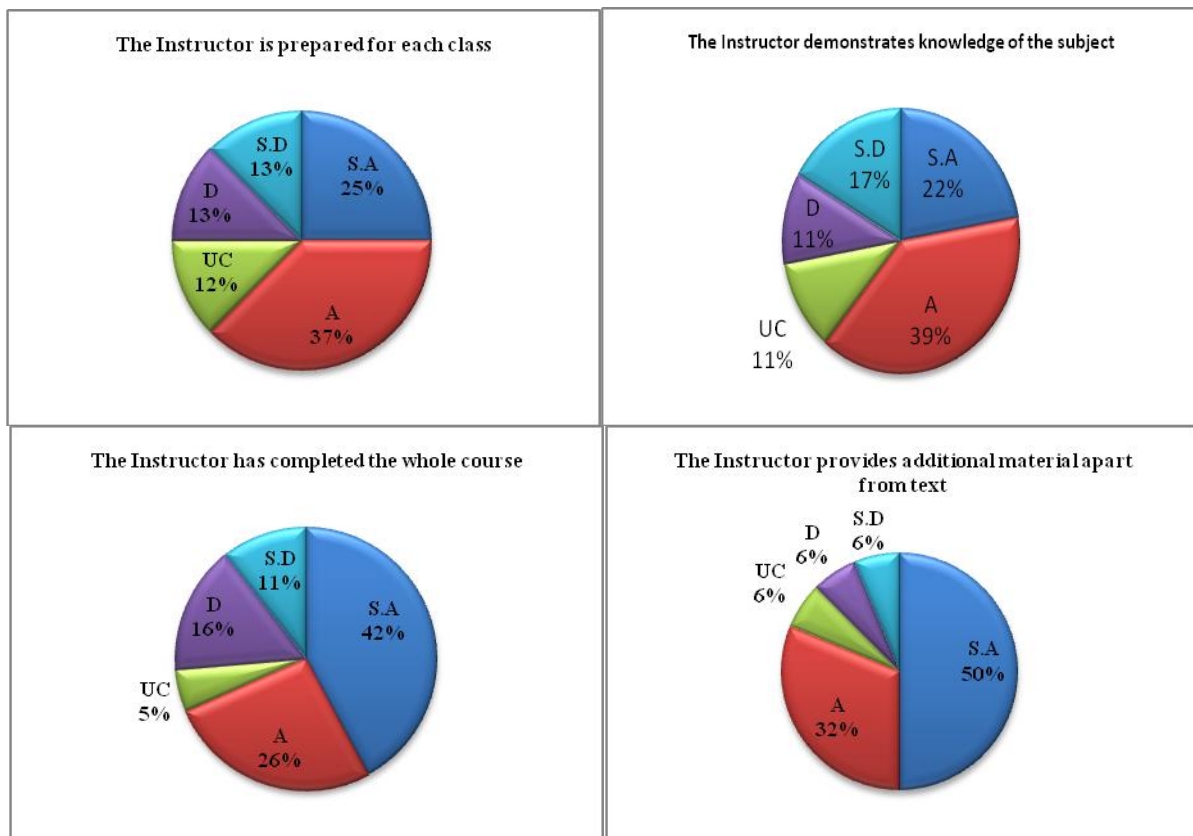
- Punctual in class and returns graded material on time
- Provides additional material apart from text
- Respects students

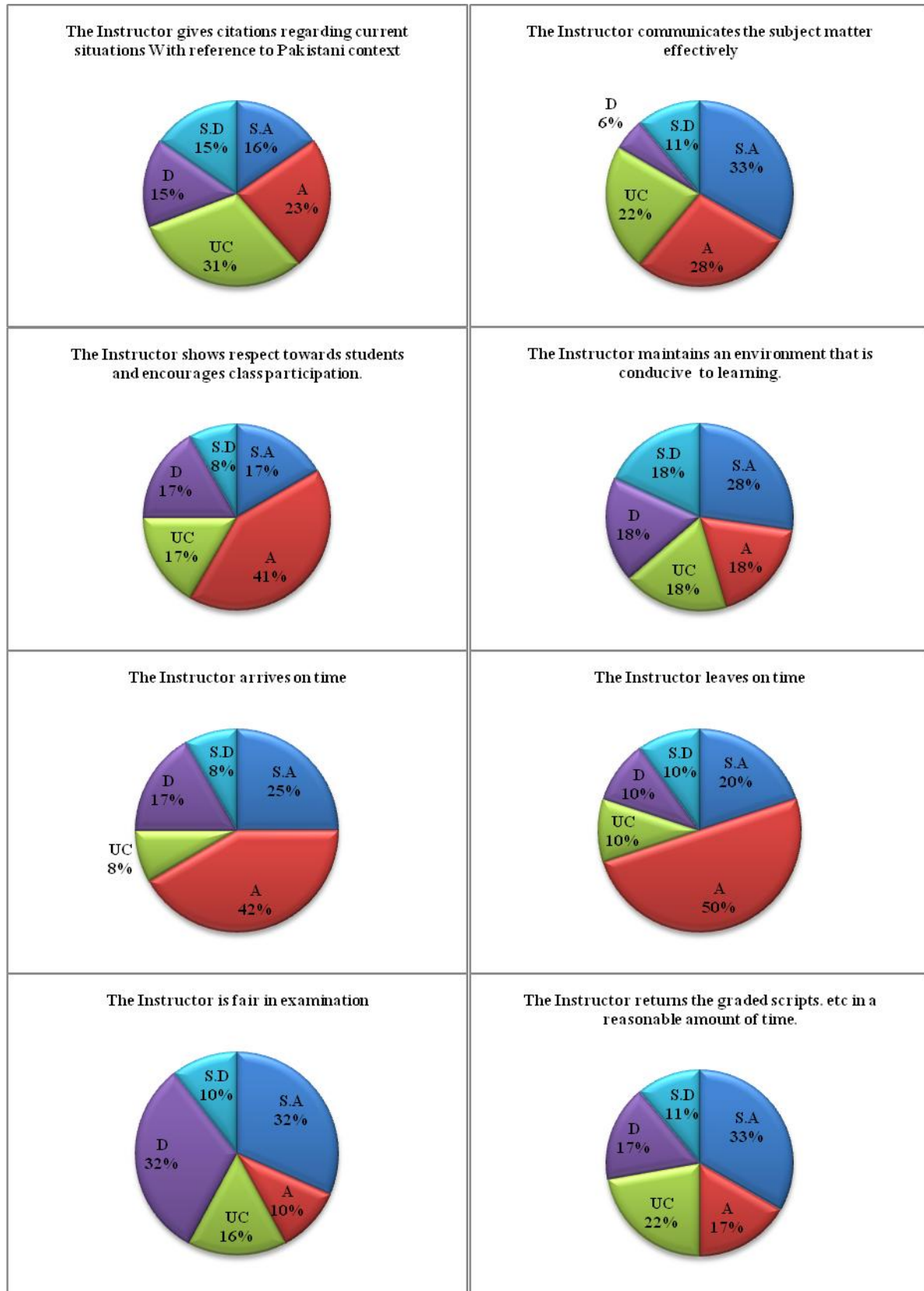
Weaknesses:

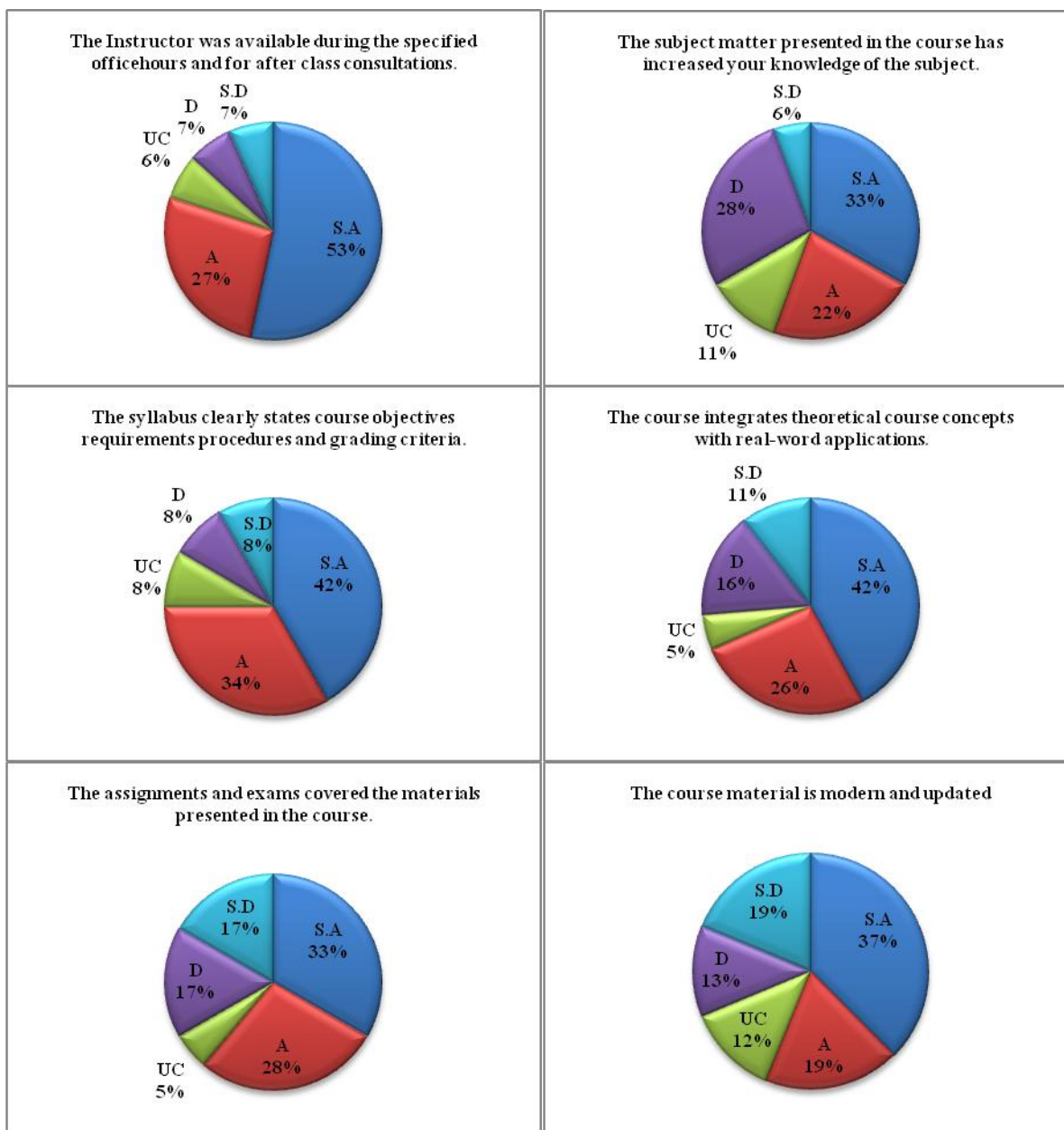
- The syllabus needs improvement
- More practical assignments required

Mr. Nasir Mehmood (CS-724)

The graph shows the detail of evaluation. The graph for “The instructor is prepared for each class”, shows that 25% are strongly agreed, 37% are agreed, 12% are uncertain, 13% are Disagreed and 13% are strongly disagreed. The graph for “The instructor has completed the whole course”, shows that 42% are strongly agreed, 26% are agreed, 5% are uncertain, 16% are Disagreed and 11% are strongly disagreed. The graph for “The instructor shows respect towards students”, shows that 17% are strongly agreed, 41% are agreed, 17% are uncertain, 17% are Disagreed and 8% are strongly disagreed. The graph for “The instructor is fair in examination”, shows that 32% are strongly agreed, 10% are agreed, 16% are uncertain, 32% are Disagreed and 10% are strongly disagreed. The graph for “The instructor arrives on time”, shows that 25% are strongly agreed, 42% are agreed, 8% are uncertain, 17% are Disagreed and 8% are strongly disagreed.







General Comments of the Students about this Teacher
Strengths:

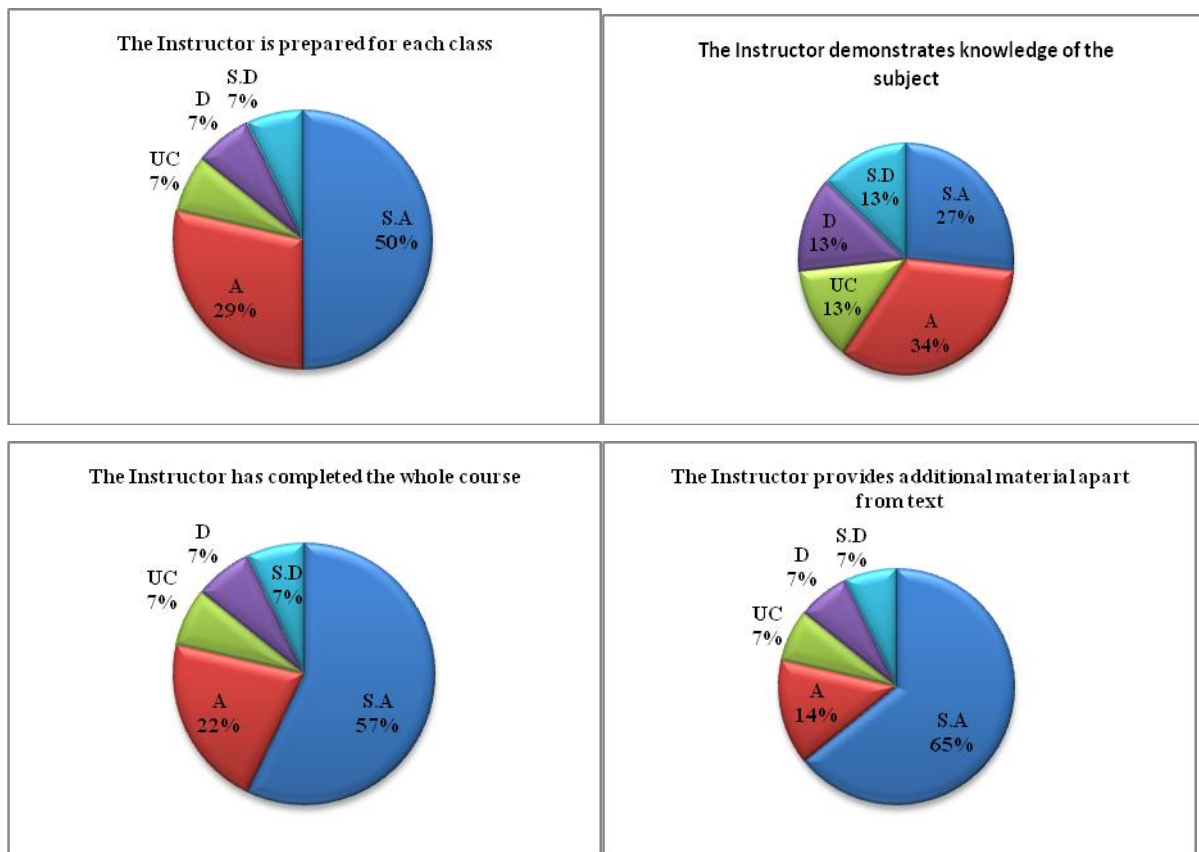
- Encourages students' participation.
- The teacher completes the course.

Weaknesses:

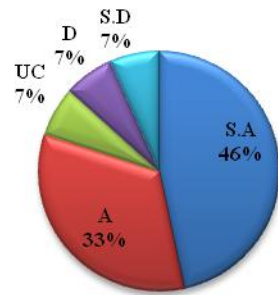
- Course contents should be updated.
- Assignments and exams should cover the material presented in the course.

Mr. Naeem ur Rehman (CS-727)

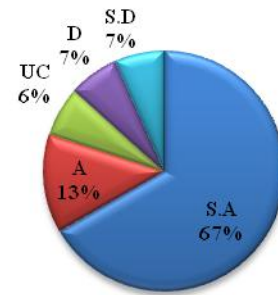
The graph shows the detail of evaluation. The graph for “The instructor is prepared for each class”, shows that 50% are strongly agreed, 29% are agreed, 7% are uncertain, 7% are Disagreed and 7% are strongly disagreed. The graph for “The instructor has completed the whole course”, shows that 57% are strongly agreed, 22% are agreed, 7% are uncertain, 7% are Disagreed and 7% are strongly disagreed. The graph for “The instructor is fair in examination”, shows that 50% are strongly agreed, 29% are agreed, 7% are uncertain, 7% are Disagreed and 7% are strongly disagreed. The graph for “The instructor arrives on time”, shows that 50% are strongly agreed, 20% are agreed, 10% are uncertain, 10% are Disagreed and 10% are strongly disagreed. The graph for “The course material is modern and updated”, shows that 57% are strongly agreed, 22% are agreed, 7% are uncertain, 7% are Disagreed and 7% are strongly disagreed. The graph for “The teacher returns graded scripts in a resonable amount of time”, shows that 43% are strongly agreed, 36% are agreed, 7% are uncertain, 7% are Disagreed and 7% are strongly disagreed.



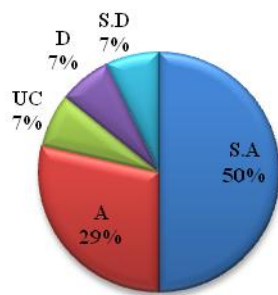
The Instructor gives citations regarding current situations With reference to Pakistani context



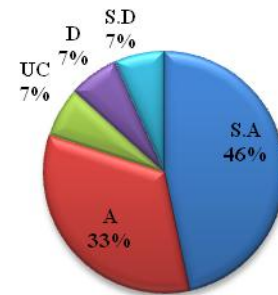
The Instructor communicates the subject matter effectively



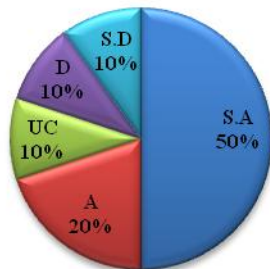
The Instructor shows respect towards students and encourages class participation.



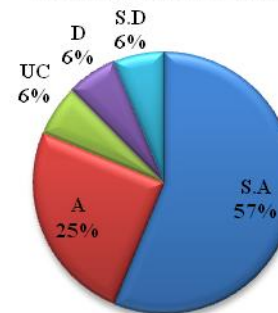
The Instructor maintains an environment that is conducive to learning.



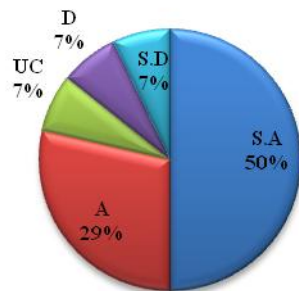
The Instructor arrives on time



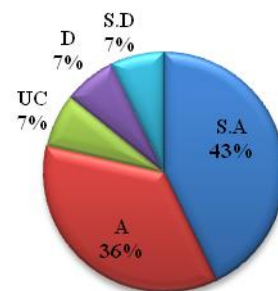
The Instructor leaves on time

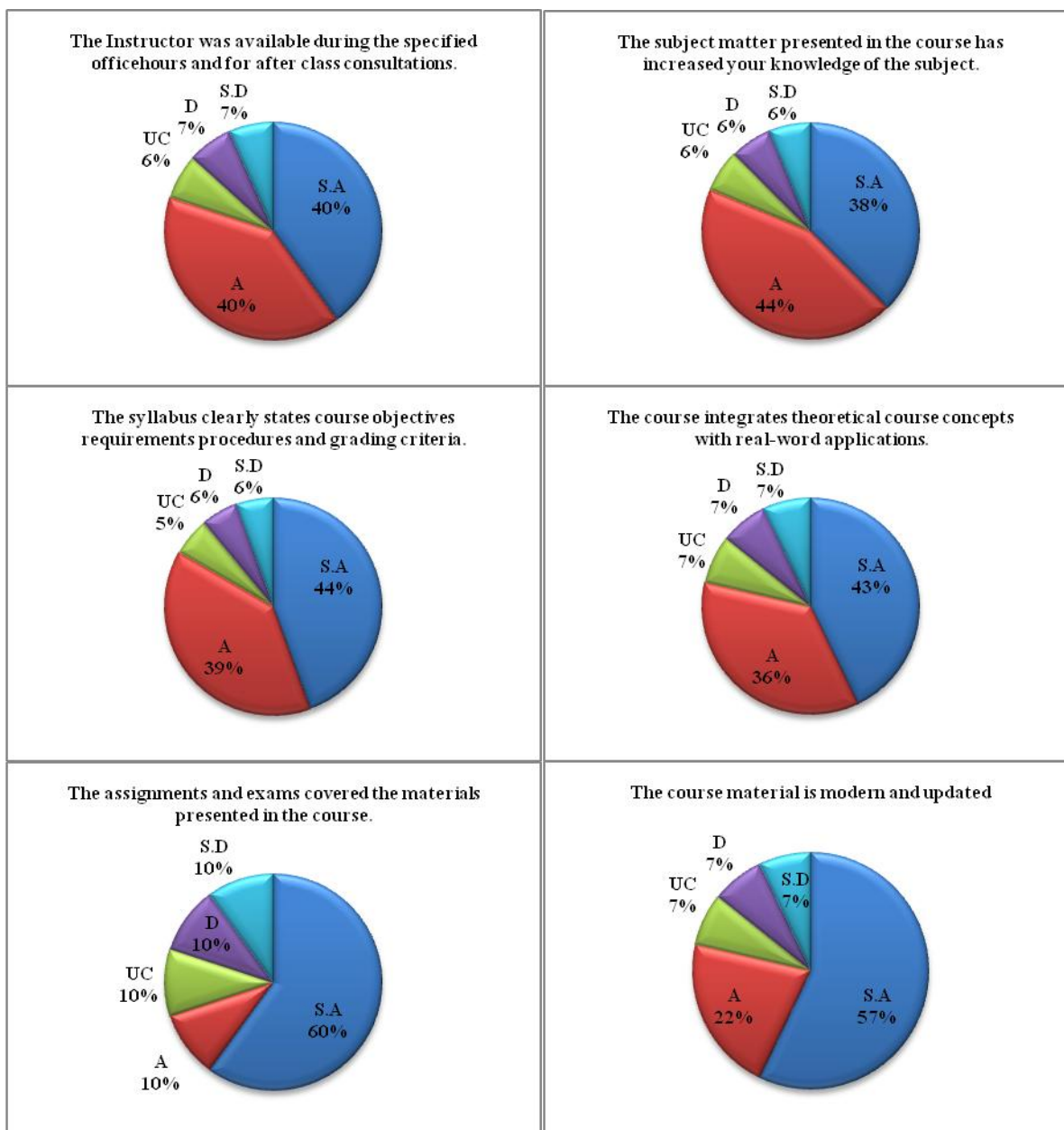


The Instructor is fair in examination



The Instructor returns the graded scripts, etc in a reasonable amount of time.





General Comments of the Students about this Teacher

Strengths:

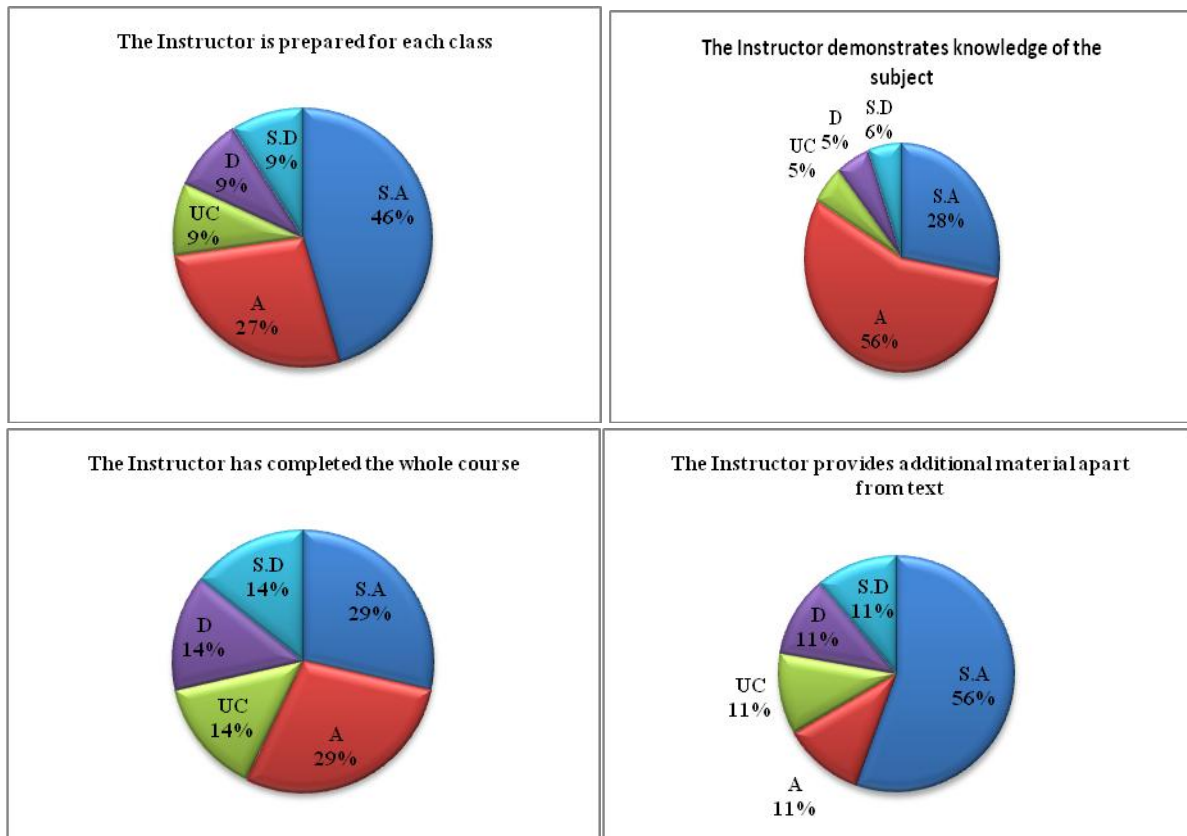
- Teacher is well prepared for lecture.
- Teacher shows Respect towards students

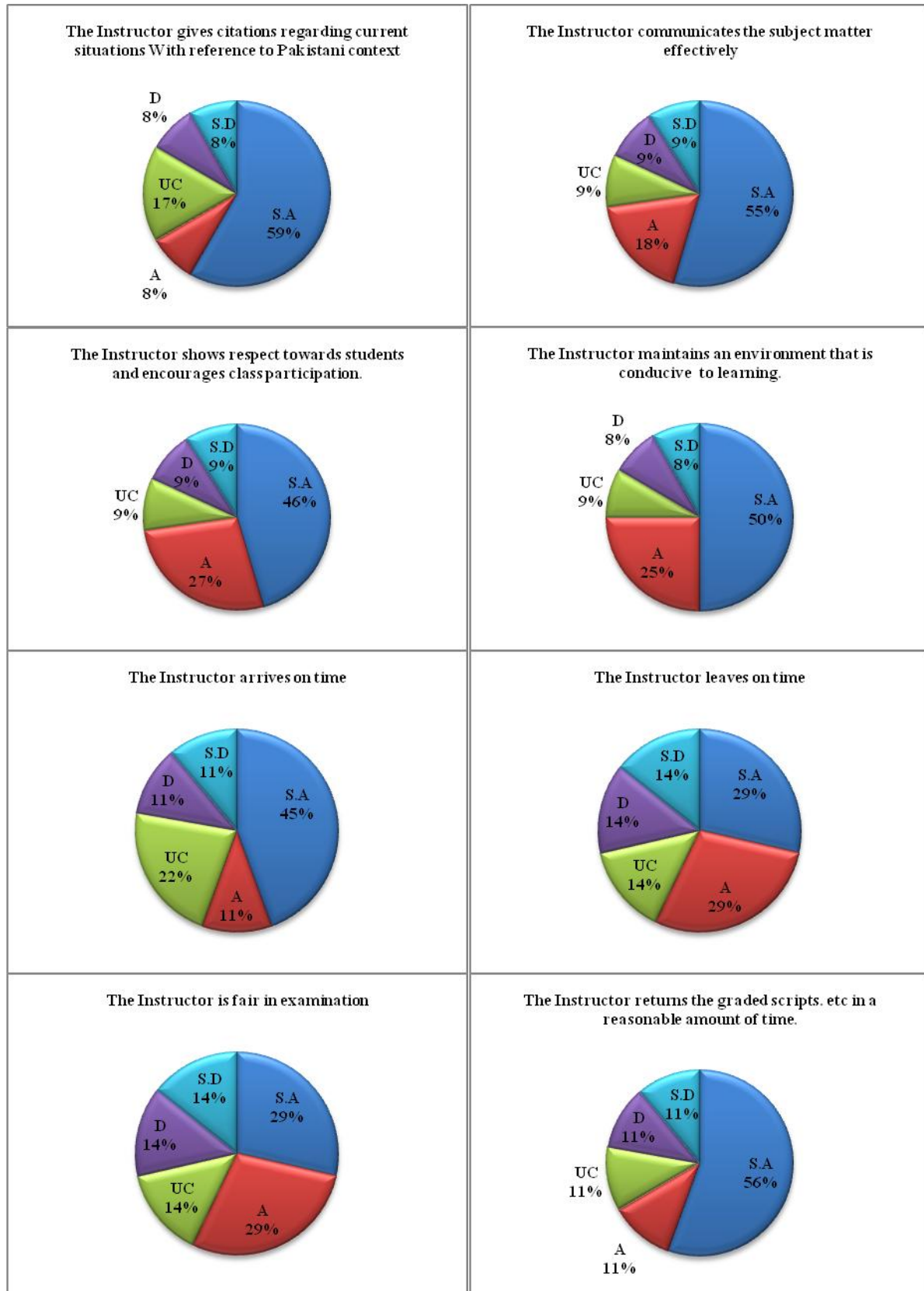
Weaknesses:

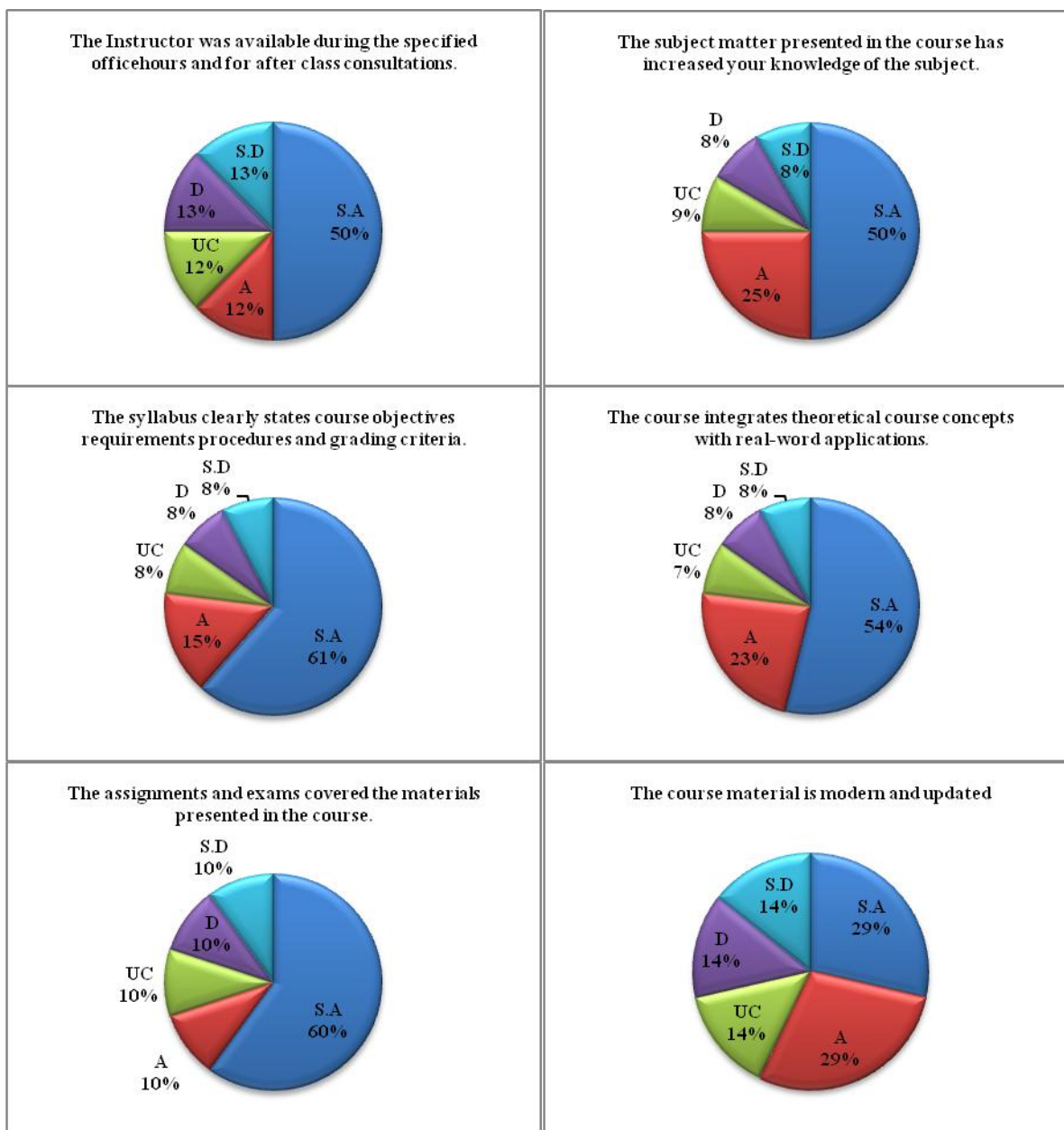
- Assignments and exams should cover the material presented in the course.
- Update the course

Mr. Saqib Majeed (CS-709)

The graph shows the detail of evaluation. The graph for “The instructor is prepared for each class”, shows that 46% are strongly agreed, 27% are agreed, 9% are uncertain, 9% are Disagreed and 9% are strongly disagreed. The graph for “The instructor shows respect towards students”, shows that 46% are strongly agreed, 27% are agreed, 9% are uncertain, 9% are Disagreed and 9% are strongly disagreed. The graph for “The instructor is fair in examination”, shows that 29% are strongly agreed, 29% are agreed, 14% are uncertain, 14% are Disagreed and 14% are strongly disagreed. The graph for “The instructor arrives on time”, shows that 45% are strongly agreed, 11% are agreed, 22% are uncertain, 11% are Disagreed and 11% are strongly disagreed. The graph for “The course material is modern and updated”, shows that 50% are strongly agreed, 25% are agreed, 9% are uncertain, 8% are Disagreed and 8% are strongly disagreed. The graph for “The teacher returns graded scripts in a reasonable amount of time”, shows that 56% are strongly agreed, 11% are agreed, 11% are uncertain, 11% are Disagreed and 11% are strongly disagreed.







General Comments of the Students about this Teacher

Strengths:

- Punctual.
- Fair in marking.
- The teacher completes the course.

Weaknesses:

- Should include modern concepts
- Assignments and exams should cover the material presented in the course.

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 CS-733 has score 83%, the teacher for CS-733 has score 84%, the teacher for CS-772 has score 74%, the teacher for CS-771 has score 70%, the teacher for CS-701 has score 72%, the teacher for CS-745 has score 74%, the teacher for CS-704 has score 78%, the teacher for CS-708 has score 75%, the teacher for CS-771 has score 74%, the teacher for CS-704 has score 74%, the teacher for CS-774 has score 70%, the teacher for CS-793 has score 72%, the teacher for CS-701 has score 85%, the teacher for CS-727 has score 74%, the teacher for CS-772 has score 80%, the teacher for CS-727 has score 74%, the teacher for CS-729 has score 79%, the teacher for CS-729 has score 77%, the teacher for CS-724 has score 76%, the teacher for CS-772 has score 76%, the teacher for CS-727 has score 77%, the teacher for CS-727 has score 80% and the teacher for CS-709 has score 74%,. The scores of other courses of respective teachers can be seen from the graph.

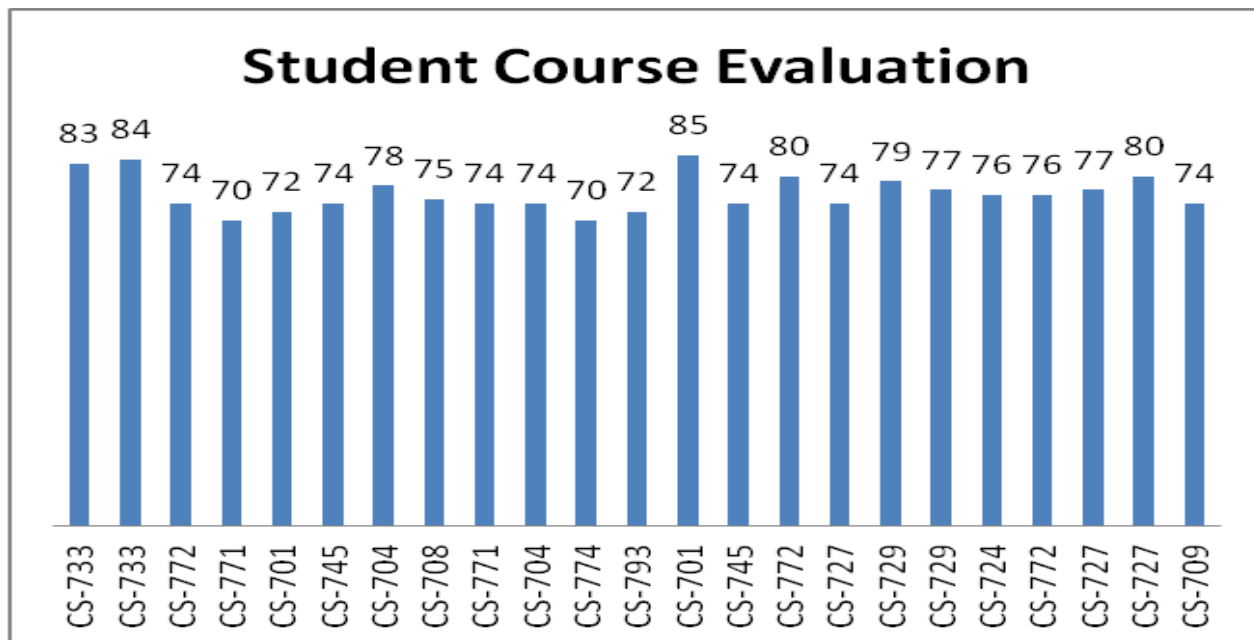
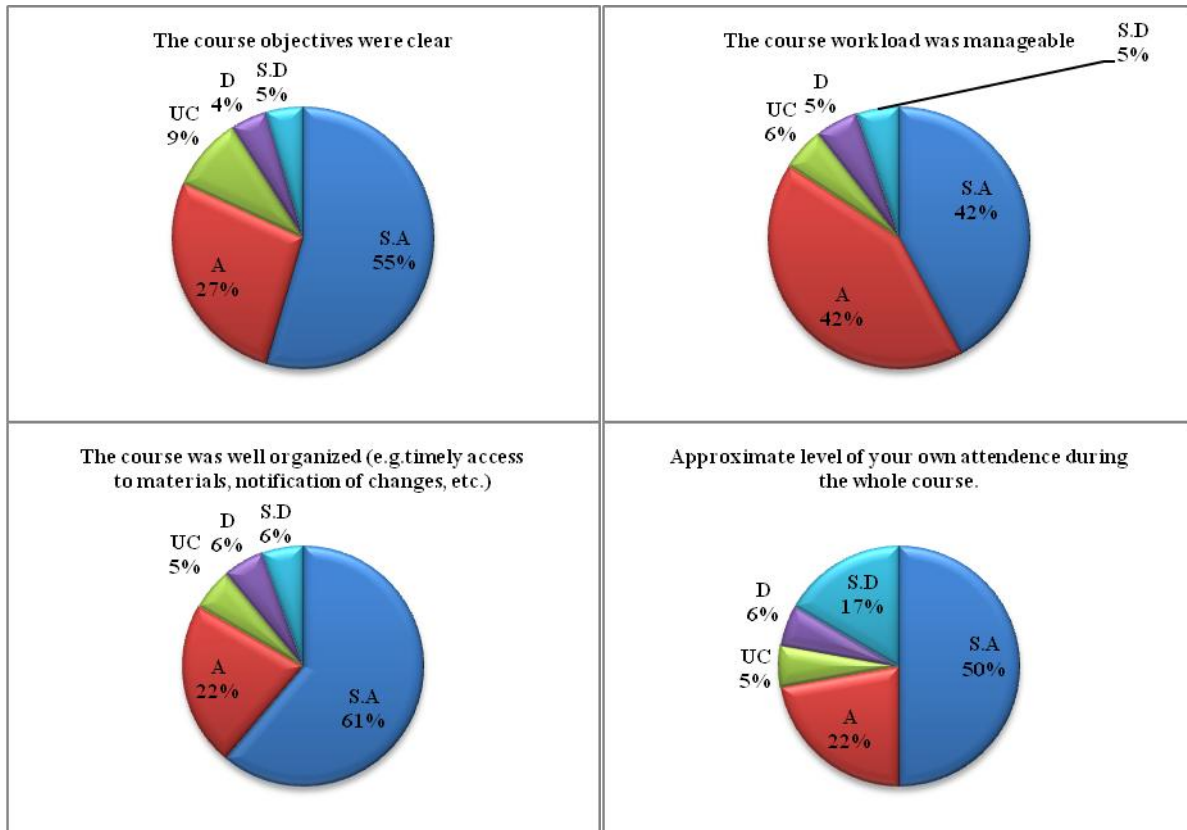


Figure 2: Student Course Evaluation Graph

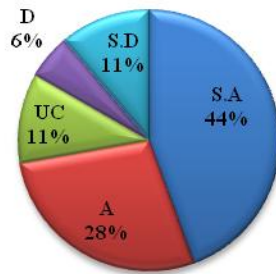
Dr. Zia ul Qayyum (CS-733)

The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 55% are strongly agreed, 27% are agreed, 9% are uncertain, 4% are Disagreed and 5% are strongly

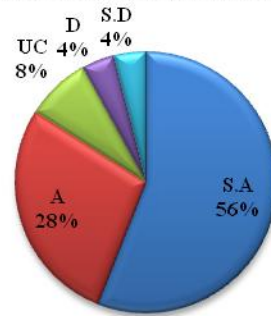
disagreed. The graph for “The course workload was manageable”, shows that 42% are strongly agreed, 42% are agreed, 6% are uncertain, 5% are Disagreed and 5% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 47% are strongly agreed, 35% are agreed, 6% are uncertain, 6% are Disagreed and 6% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 48% are strongly agreed, 37% are agreed, 5% are uncertain, 5% are Disagreed and 5% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 59% are strongly agreed, 23% are agreed, 9% are uncertain, 4% are Disagreed and 5% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 74% are strongly agreed, 11% are agreed, 5% are uncertain, 5% are Disagreed and 5% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 59% are strongly agreed, 23% are agreed, 9% are uncertain, 4% are Disagreed and 5% are strongly disagreed.



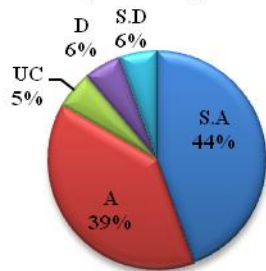
I participated actively in the course



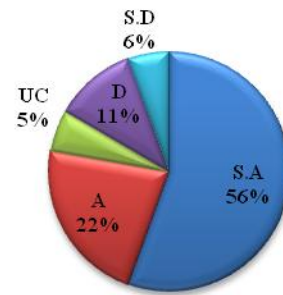
I think I have made progress in this course



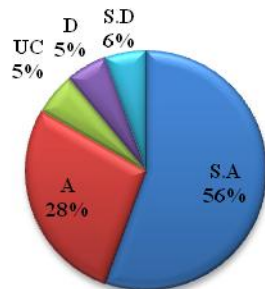
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



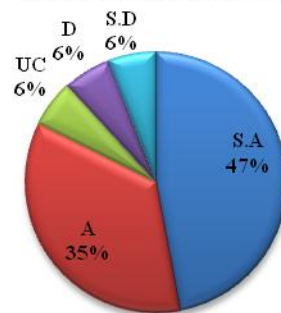
The learning and teaching methods encouraged participation.



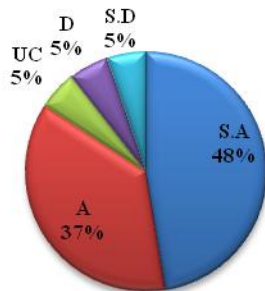
The overall environment in the class was conducive to learning.



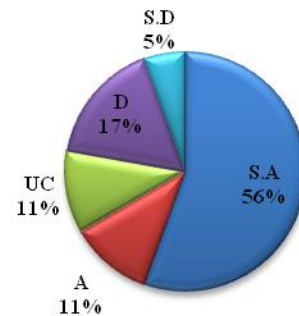
Classrooms were satisfactory

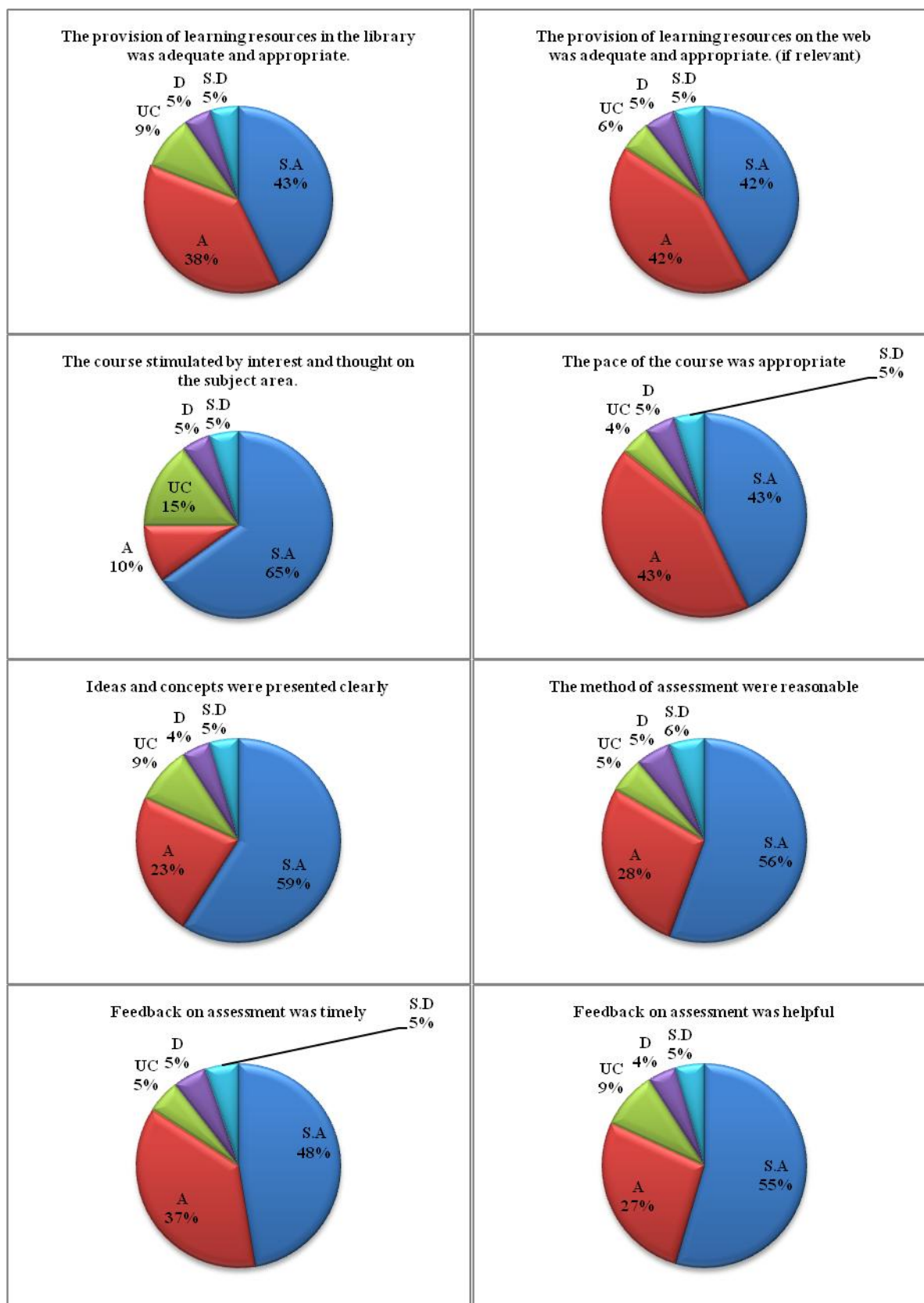


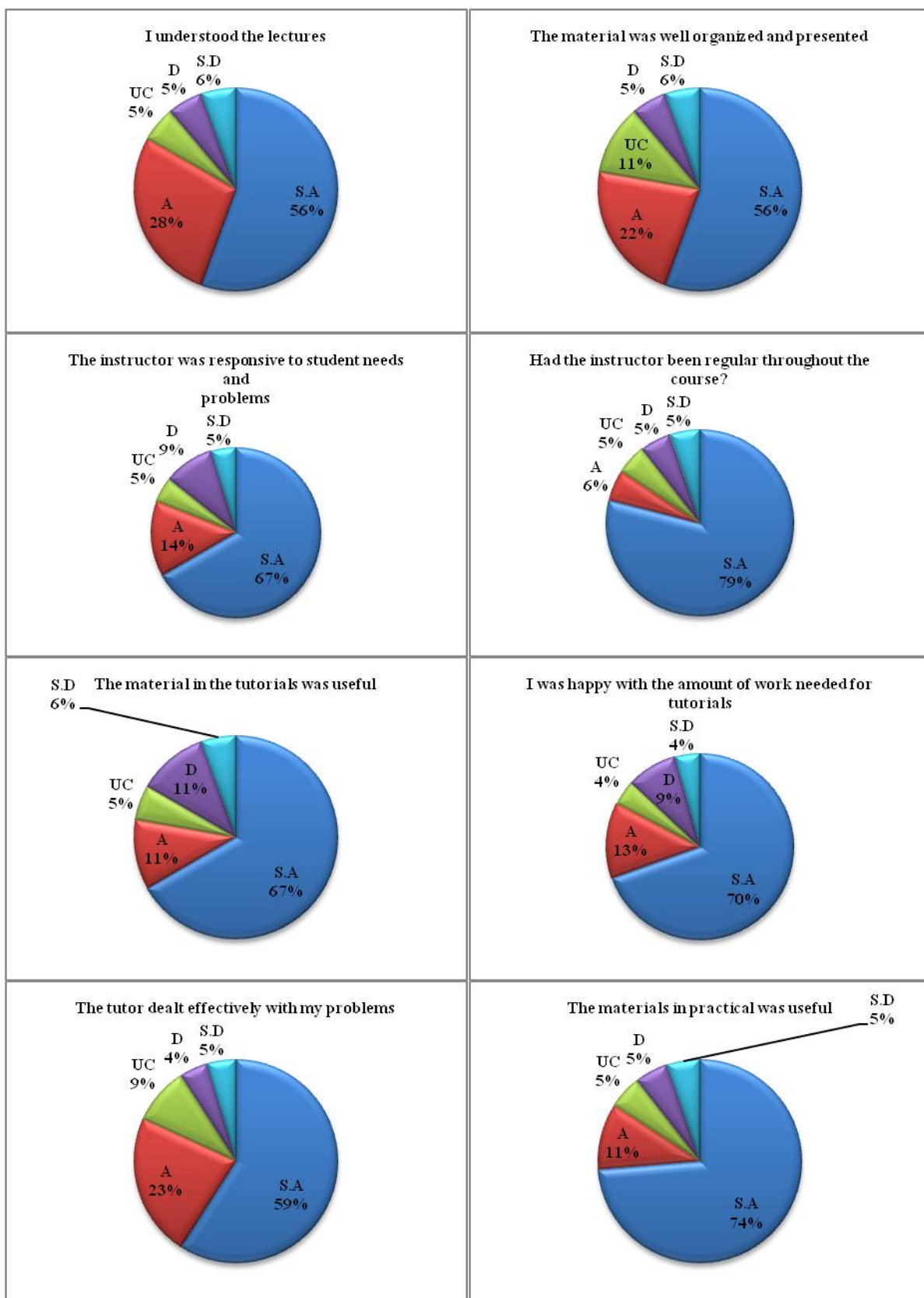
Learning materials (lesson plans, course notes etc.) were relevant and useful.

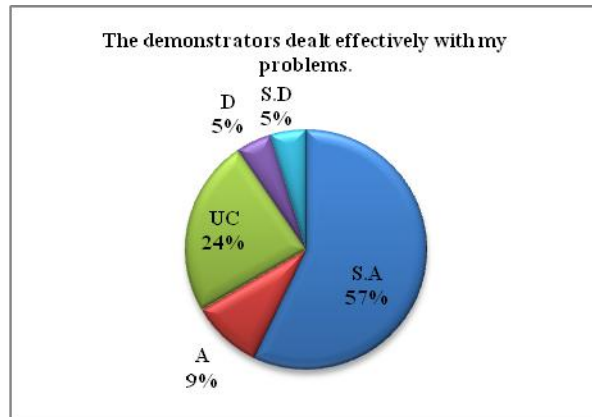


Recommended reading books etc. were relevant and appropriate.







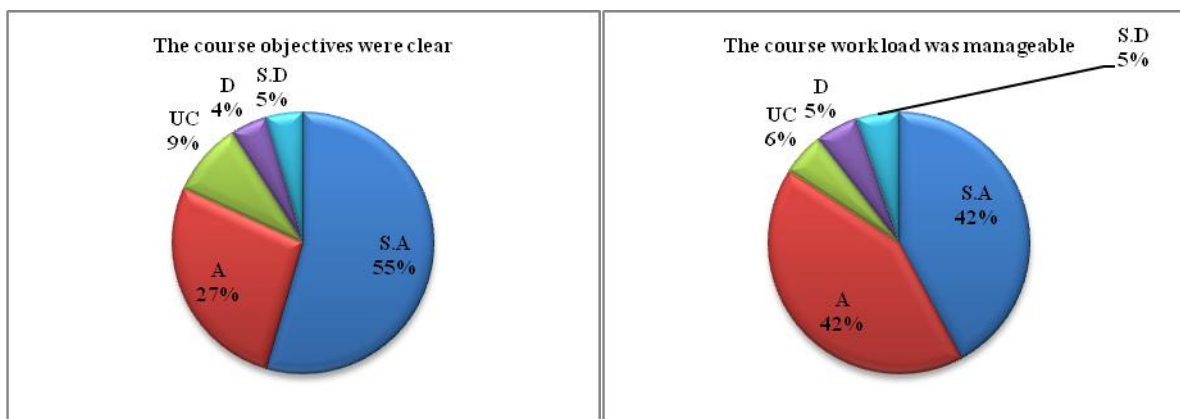


General Comments of the Students about this Course Weaknesses:

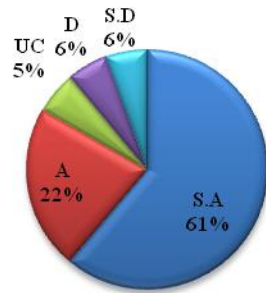
- The course should include more modern knowledge and techniques.
- The course should be stimulated by interest and thought on subject area.

Mr. Muhamamd Amjad Iqbal (CS-733)

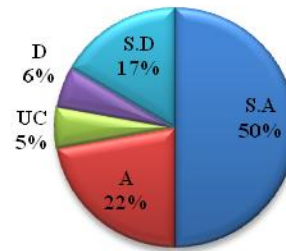
The pie chart shows the detail of evaluation. The graph for “the course objectives were clear”, shows that 55% are strongly agreed, 27% are agreed, 9% are uncertain, 4% are disagreed and 5% are strongly disagreed. The graph for “the course workload was manageable”, shows that 42% are strongly agreed, 42% are agreed, 6% are uncertain, 5% are disagreed and 5% are strongly disagreed. The graph for “classrooms were satisfactory”, shows that 47% are strongly agreed, 35% are agreed, 6% are uncertain, 6% are disagreed and 6% are strongly disagreed. The graph for “feedback on assessment was timely”, shows that 48% are strongly agreed, 37% are agreed, 5% are uncertain, 5% are disagreed and 5% are strongly disagreed. The graph for “the tutor dealt effectively with my problems”, shows that 59% are strongly agreed, 23% are agreed, 9% are uncertain, 4% are disagreed and 5% are strongly disagreed. The graph for “the materials in practical was useful”, shows that 74% are strongly agreed, 11% are agreed, 5% are uncertain, 5% are disagreed and 5% are strongly disagreed. The graph for “ideas and concepts were presented clearly”, shows that 59% are strongly agreed, 25% are agreed, 9% are uncertain, 4% are disagreed and 5% are strongly disagreed.



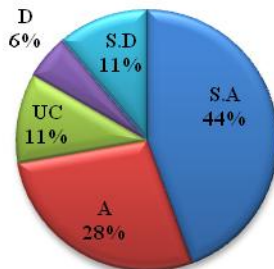
The course was well organized (e.g timely access to materials, notification of changes, etc.)



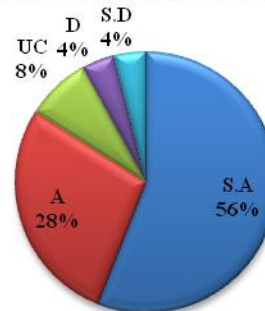
Approximate level of your own attendance during the whole course.



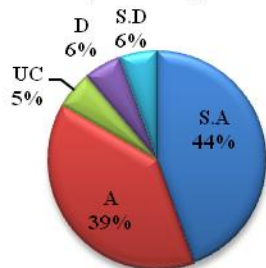
I participated actively in the course



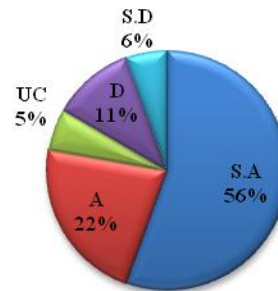
I think I have made progress in this course



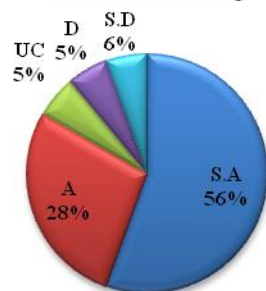
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



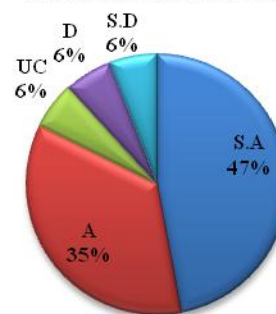
The learning and teaching methods encouraged participation.

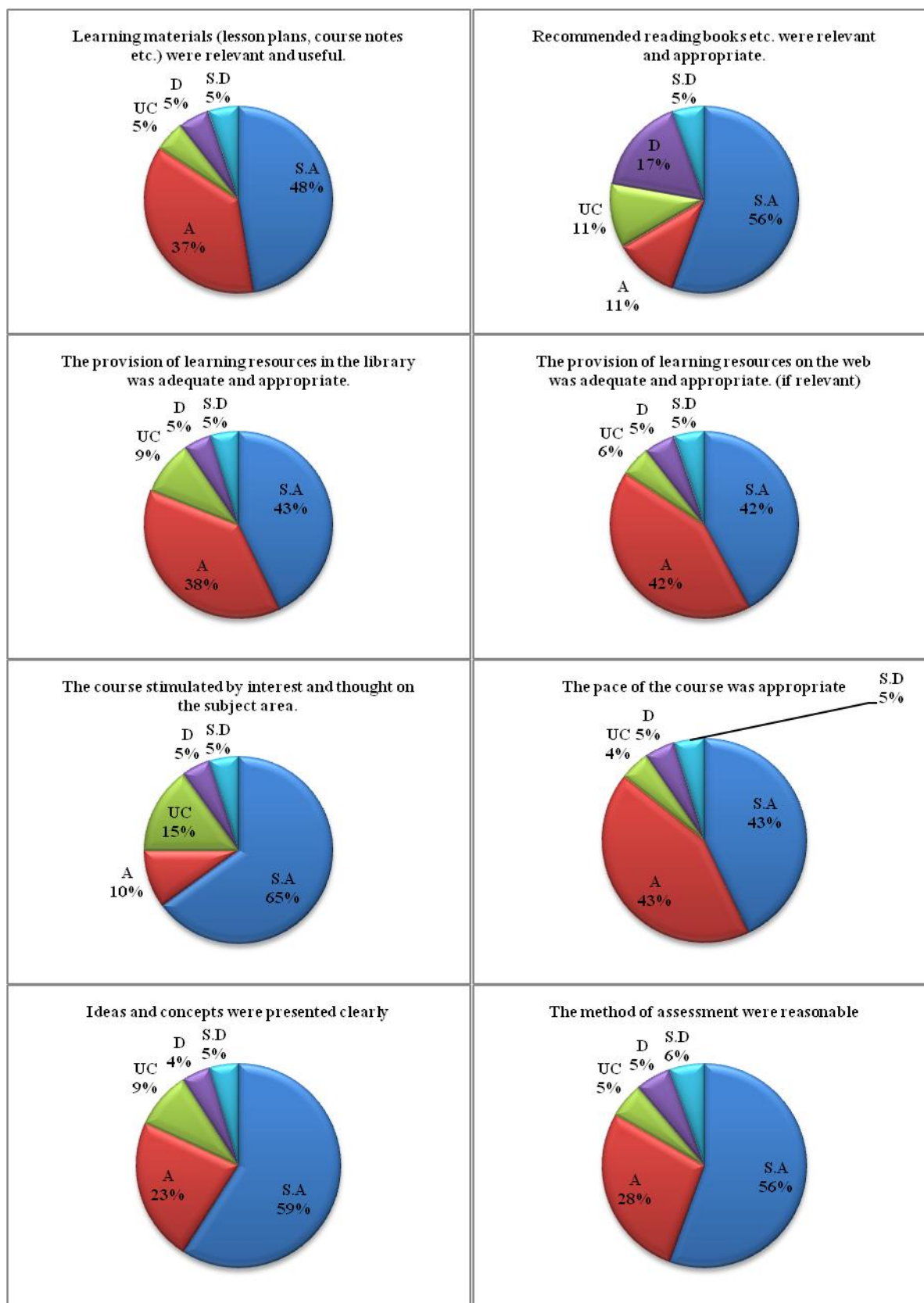


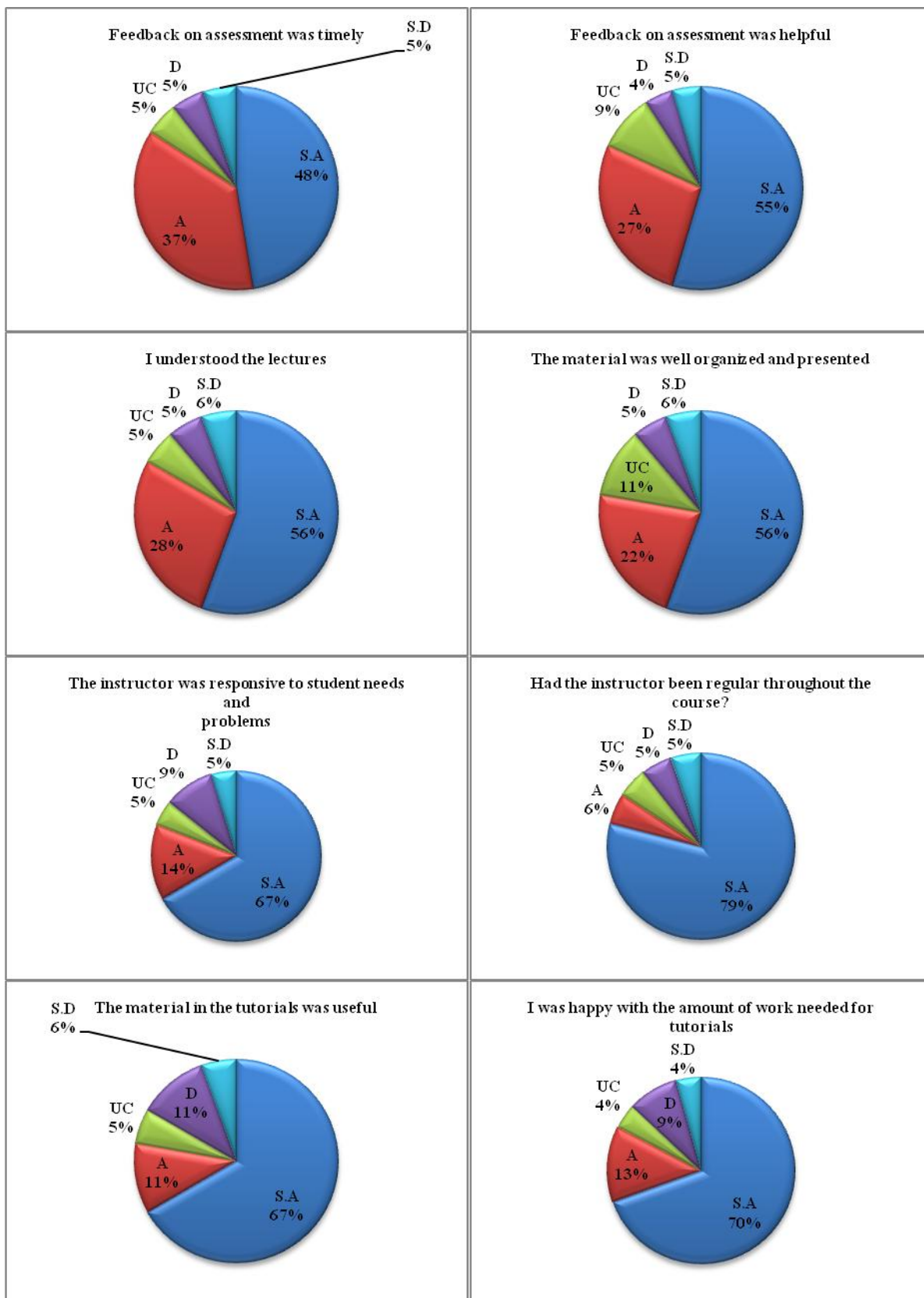
The overall environment in the class was conducive to learning.

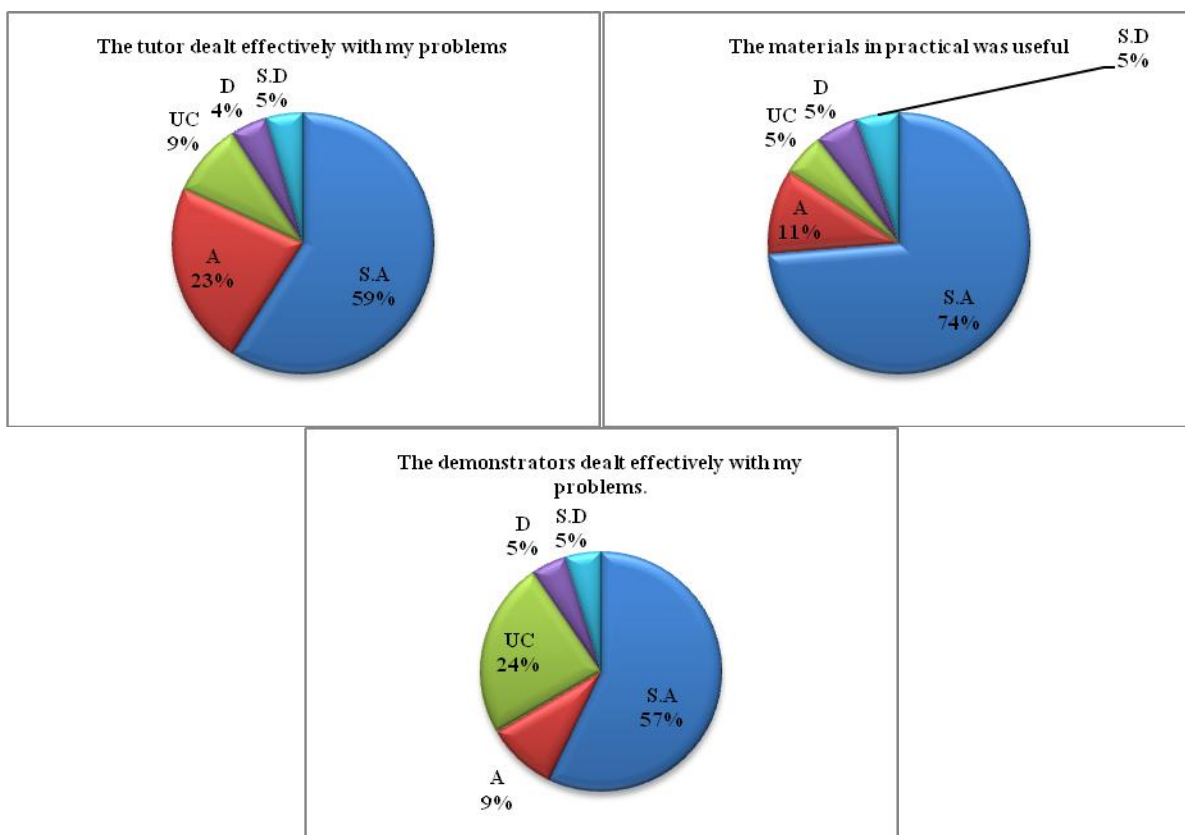


Classrooms were satisfactory









General Comments of the Students about this Course

Strengths:

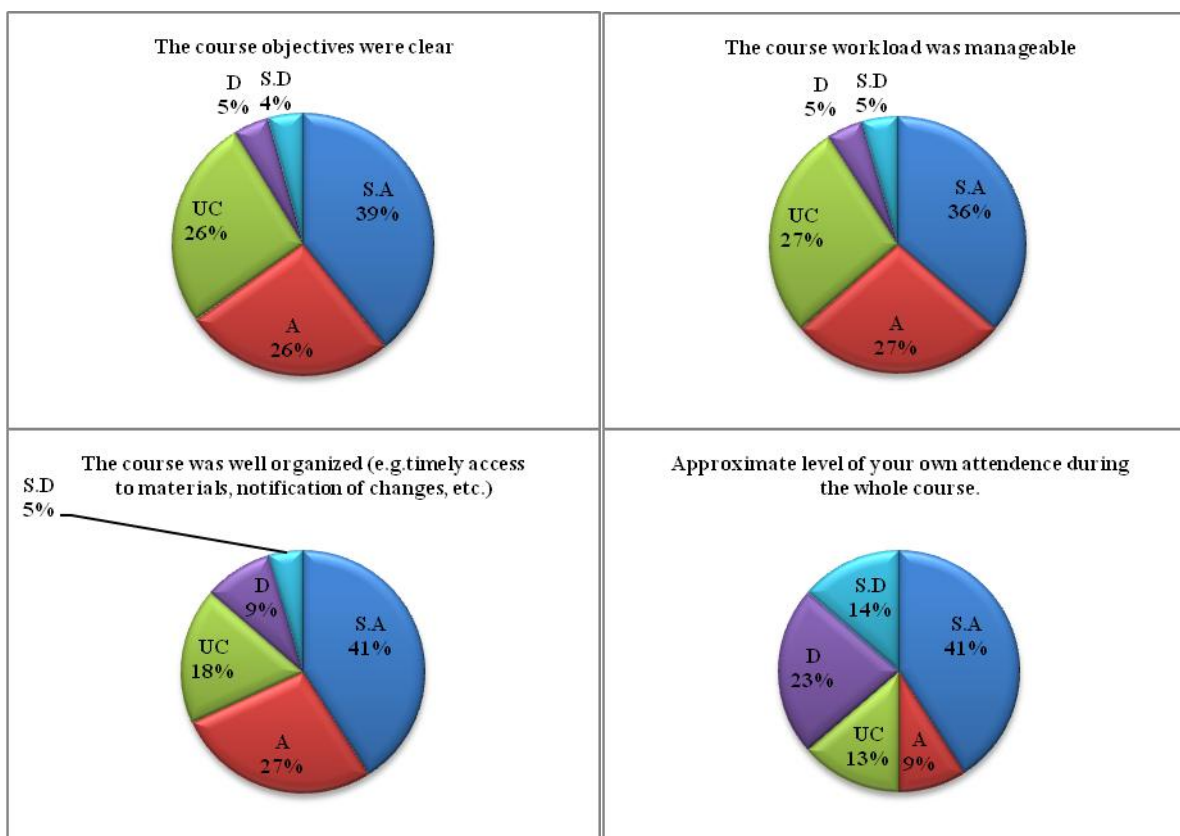
- Proper materials for practical were available.
- The course includes modern knowledge and techniques.

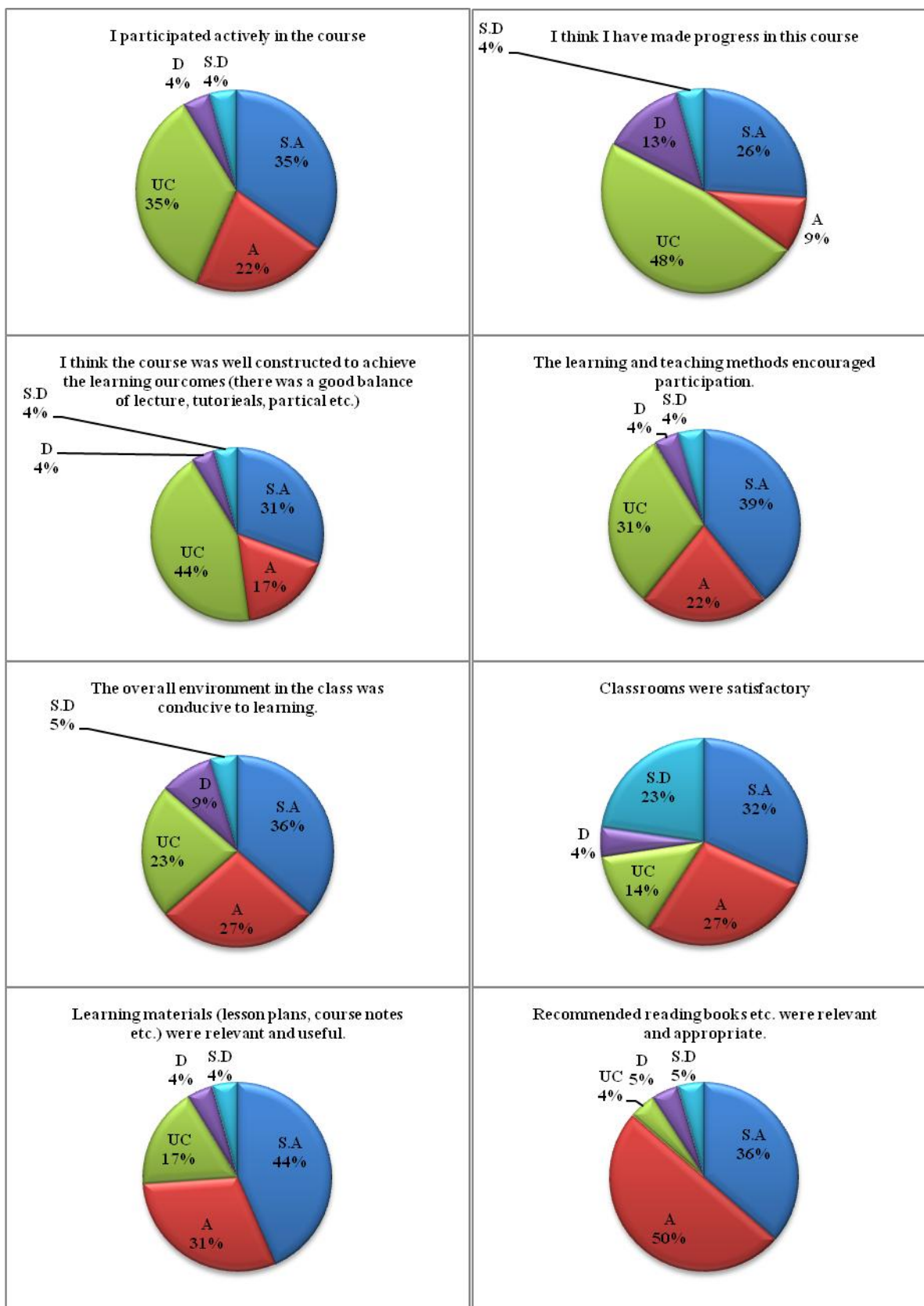
Weaknesses:

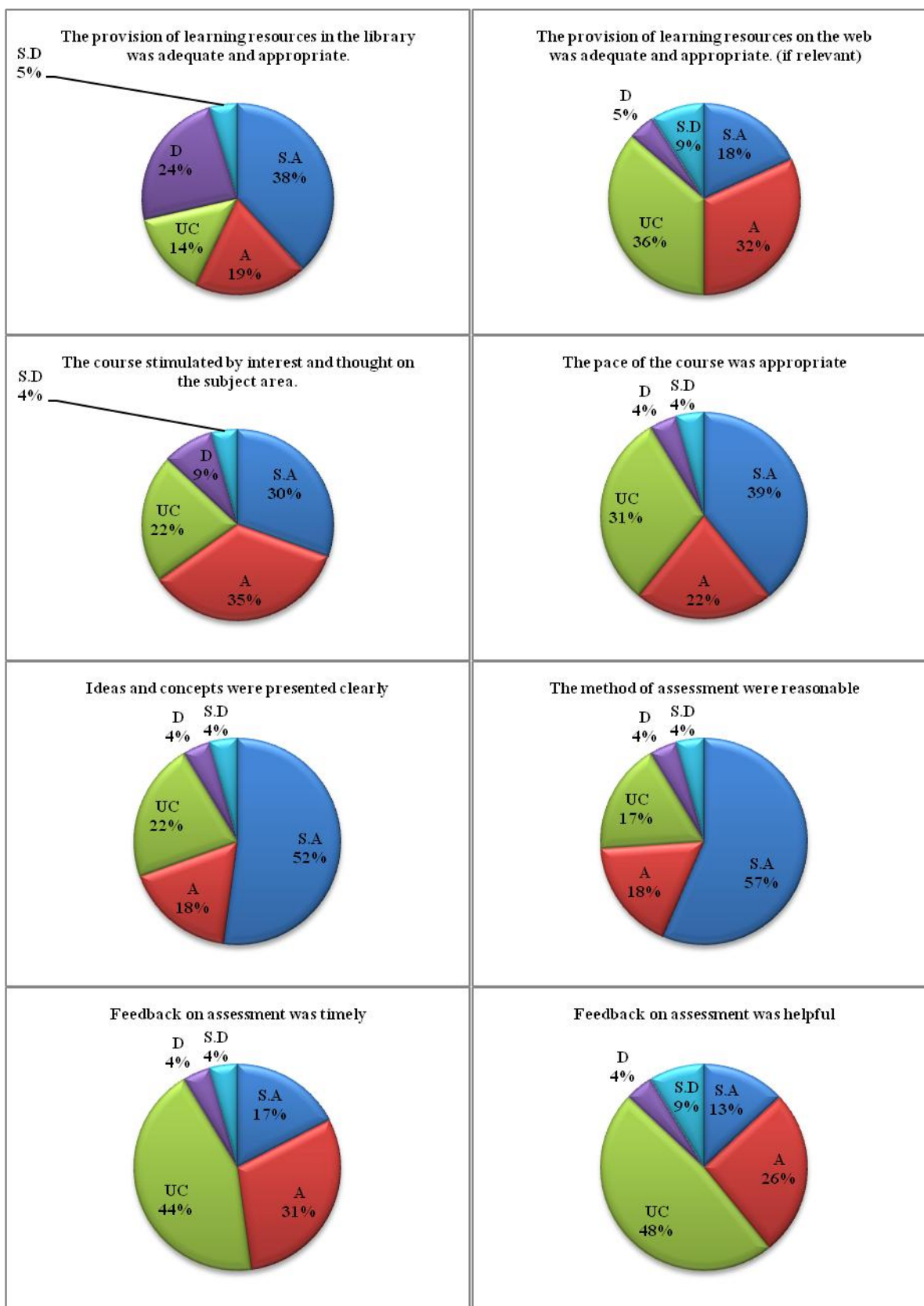
- Learning environment and resources were not satisfactory.
- The course should be stimulated by interest and thought on subject area.

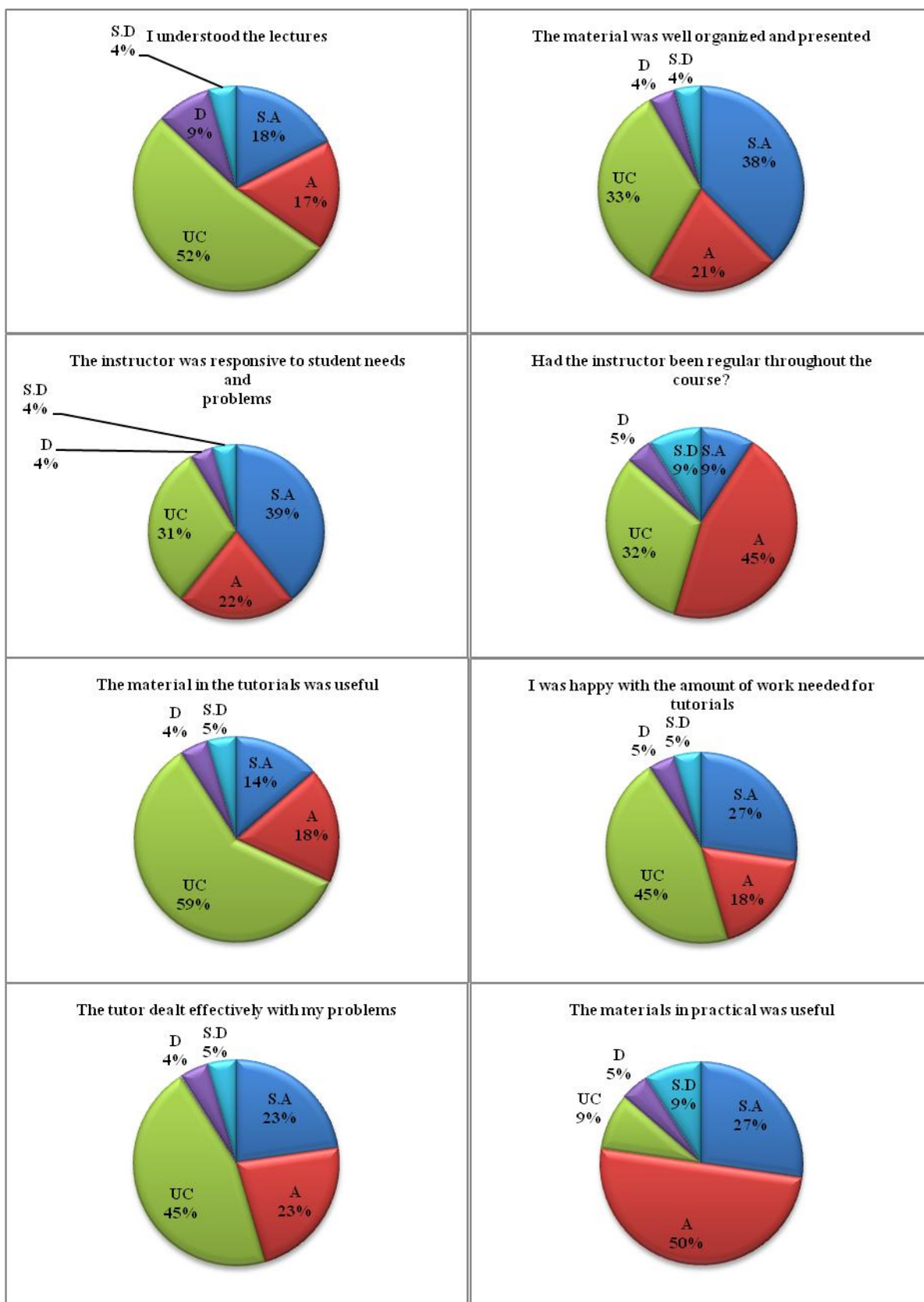
Ms. Aisha Umair (CS-772)

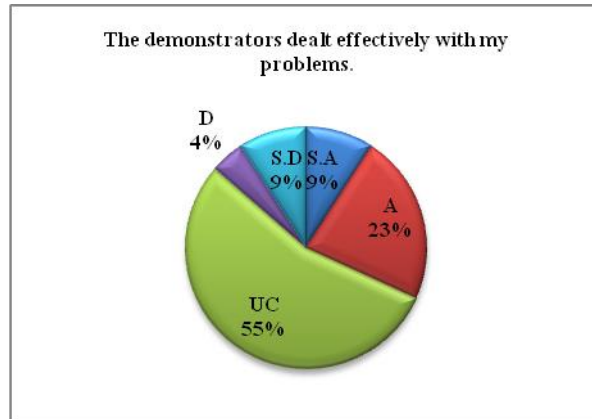
The pie chart shows the detail of evaluation. The graph for “the course objectives were clear”, shows that 39% are strongly agreed, 26% are agreed, 26% are uncertain, 5% are disagreed and 4% are strongly disagreed. The graph for “the course workload was manageable”, shows that 36% are strongly agreed, 27% are agreed, 27% are uncertain, 5% are disagreed and 5% are strongly disagreed. The graph for “classrooms were satisfactory”, shows that 32% are strongly agreed, 27% are agreed, 14% are uncertain, 4% are disagreed and 23% are strongly disagreed. The graph for “feedback on assessment was timely”, shows that 17% are strongly agreed, 31% are agreed, 42% are uncertain, 4% are disagreed and 4% are strongly disagreed. The graph for “the tutor dealt effectively with my problems”, shows that 23% are strongly agreed, 23% are agreed, 45% are uncertain, 4% are disagreed and 5% are strongly disagreed. The graph for “the materials in practical was useful”, shows that 27% are strongly agreed, 50% are agreed, 9% are uncertain, 5% are disagreed and 9% are strongly disagreed. The graph for “ideas and concepts were presented clearly”, shows that 52% are strongly agreed, 18% are agreed, 22% are uncertain, 4% are disagreed and 4% are strongly disagreed.











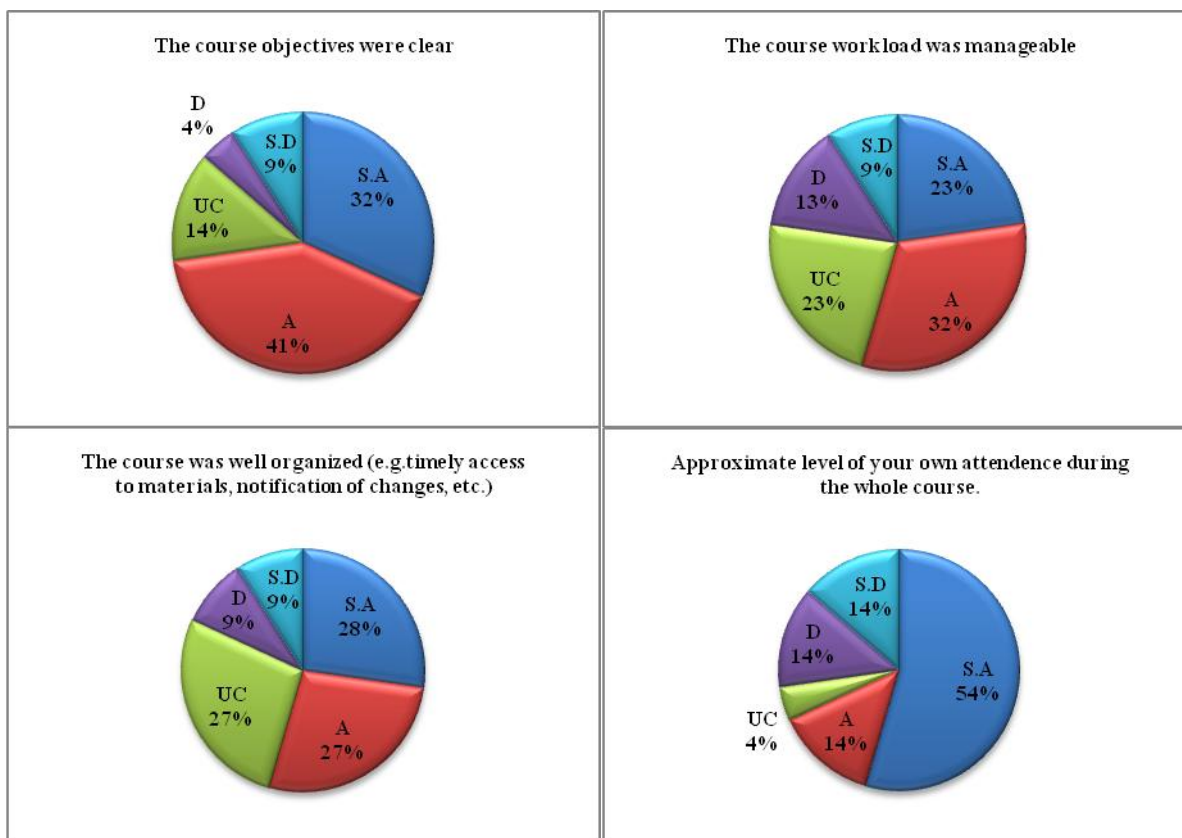
General Comments of the Students about this Course

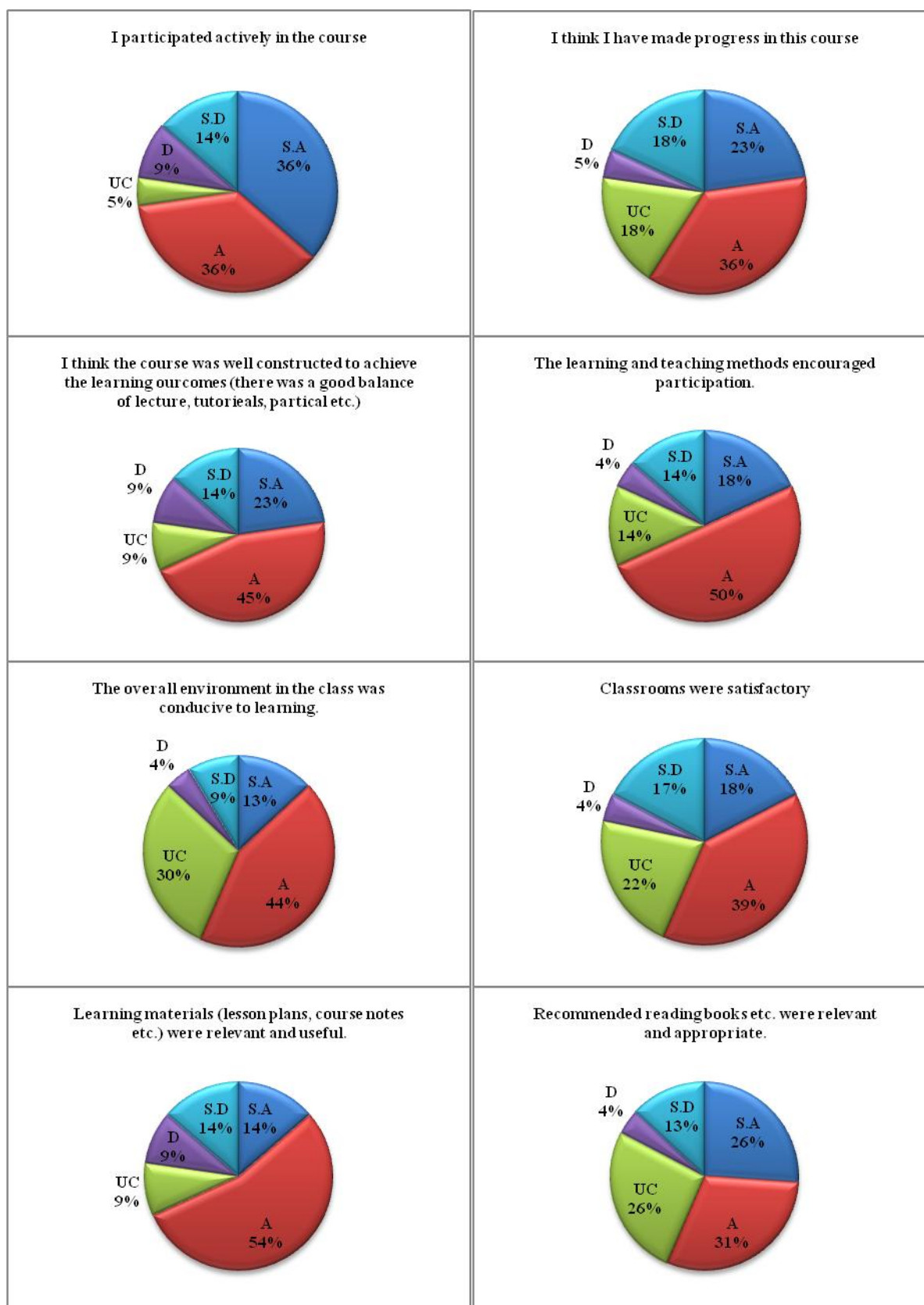
Weaknesses:

- Learning environment and resources were not satisfactory.
- Course objectives must be clearly defined.
- The course should include modern knowledge and techniques.

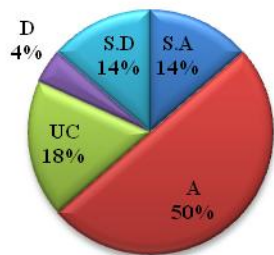
Mr. Syed Mushhad Gillani (CS-771)

The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 32% are strongly agreed, 41% are agreed, 14% are uncertain, 4% are Disagreed and 9% are strongly disagreed. The graph for “The course workload was manageable”, shows that 23% are strongly agreed, 32% are agreed, 23% are uncertain, 13% are Disagreed and 9% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 18% are strongly agreed, 39% are agreed, 22% are uncertain, 4% are Disagreed and 17% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 14% are strongly agreed, 50% are agreed, 18% are uncertain, 4% are Disagreed and 14% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 36% are strongly agreed, 27% are agreed, 23% are uncertain, 5% are Disagreed and 9% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 9% are strongly agreed, 45% are agreed, 14% are uncertain, 18% are Disagreed and 14% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 13% are strongly agreed, 49% are agreed, 14% are uncertain, 14% are Disagreed and 14% are strongly disagreed.

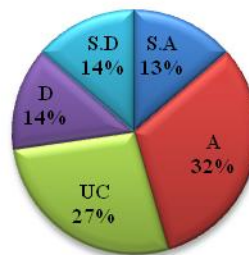




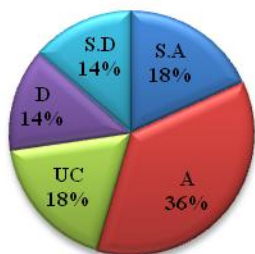
The provision of learning resources in the library was adequate and appropriate.



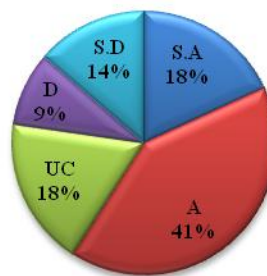
The provision of learning resources on the web was adequate and appropriate. (if relevant)



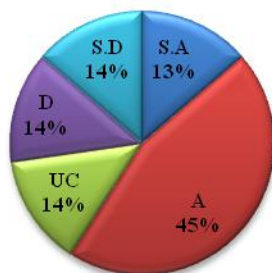
The course stimulated by interest and thought on the subject area.



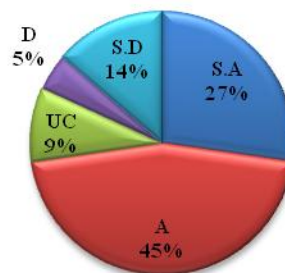
The pace of the course was appropriate



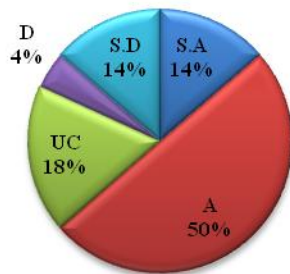
Ideas and concepts were presented clearly



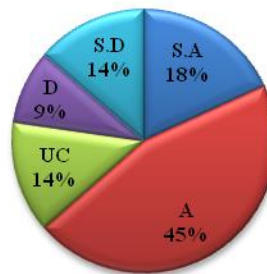
The method of assessment were reasonable

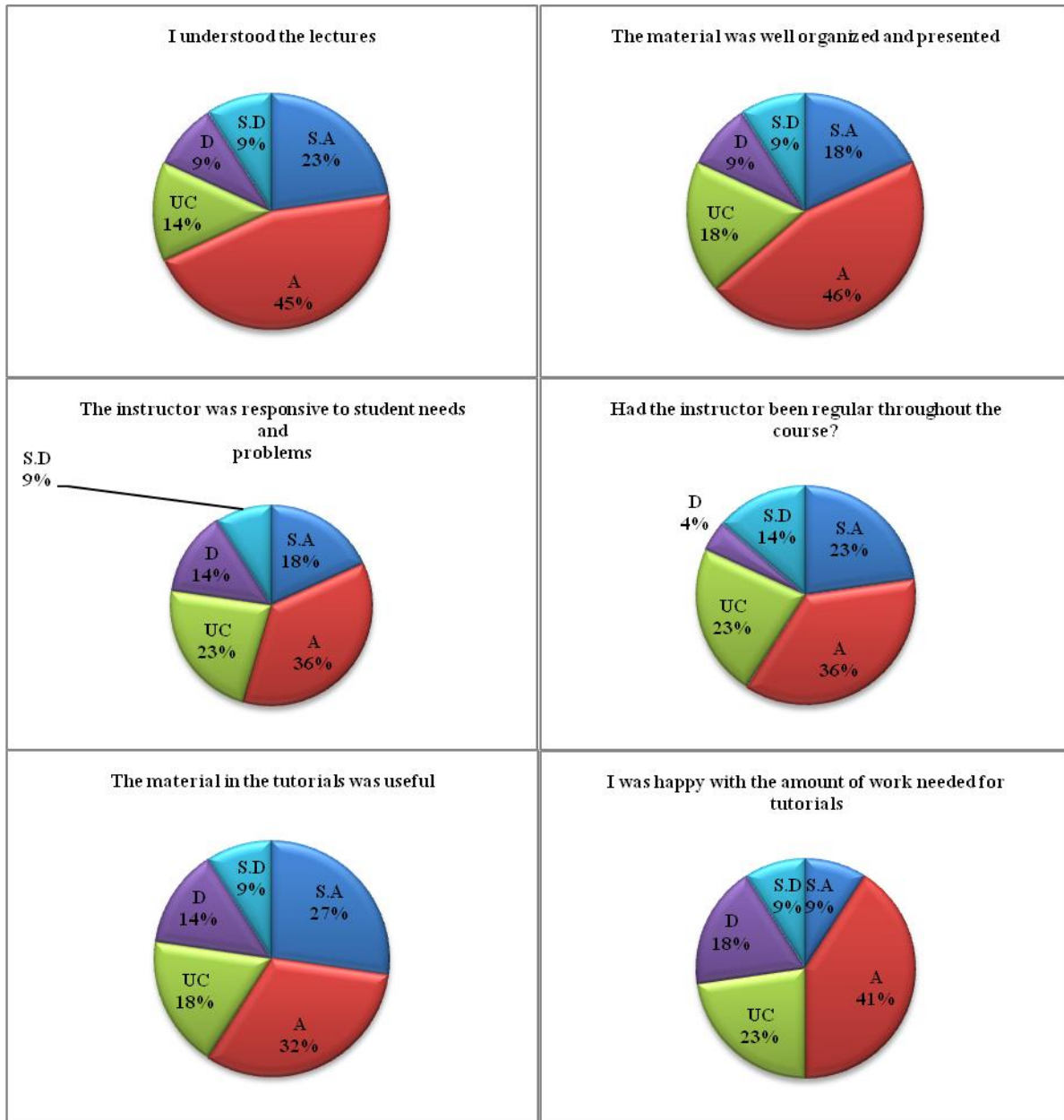


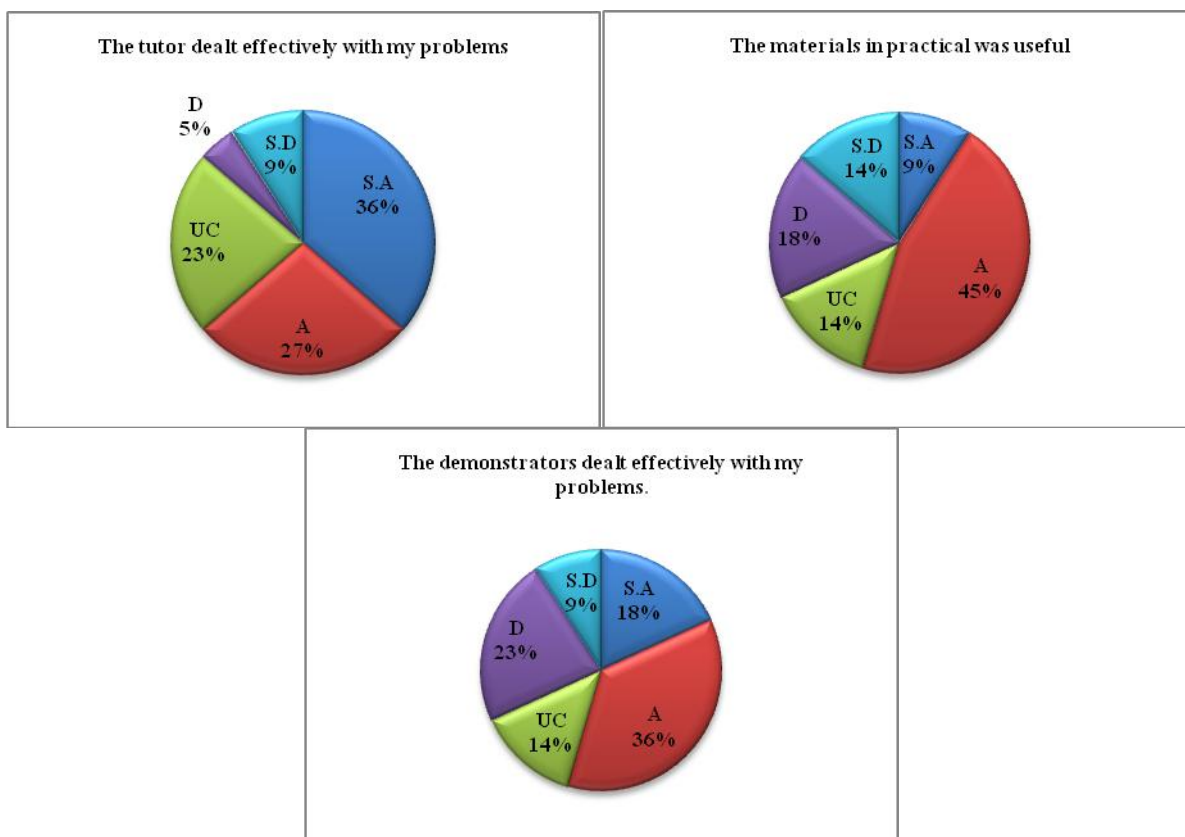
Feedback on assessment was timely



Feedback on assessment was helpful







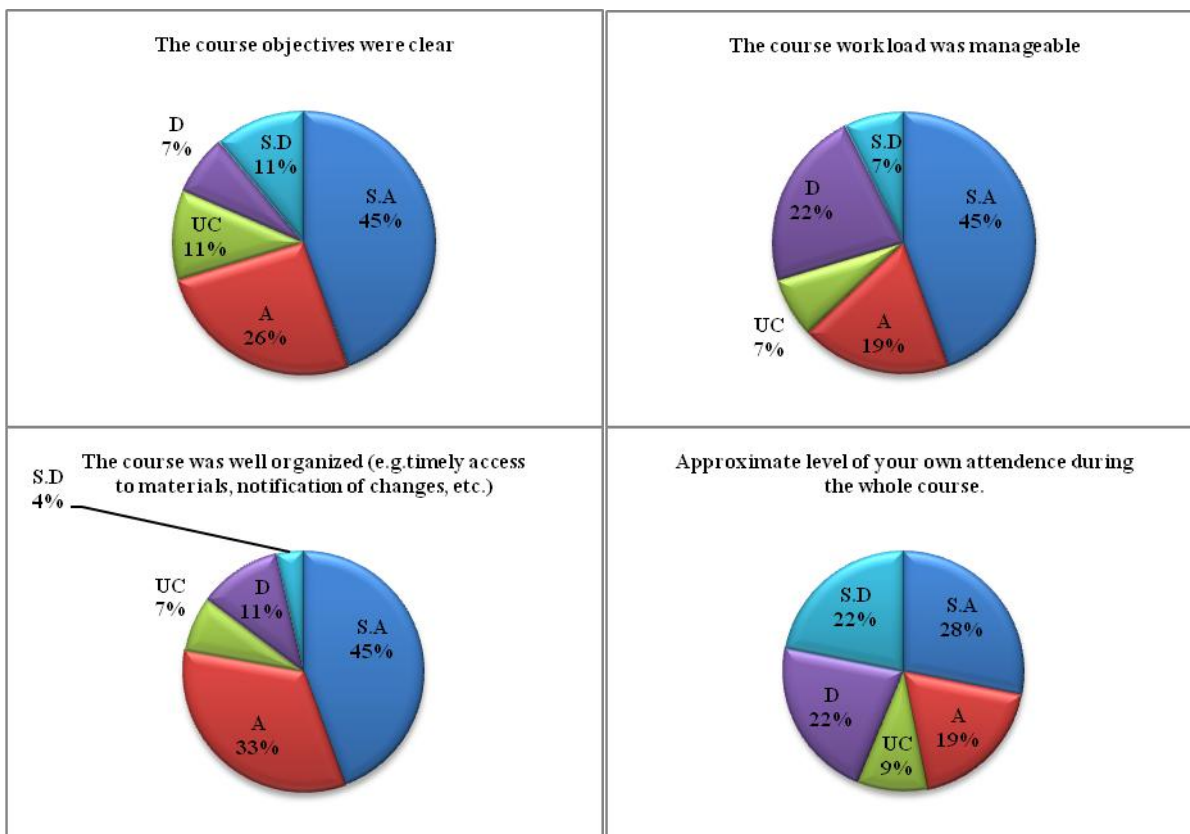
General Comments of the Students about this Course

Weaknesses:

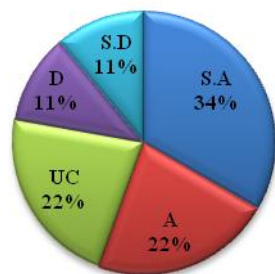
- Course objectives must be clearly defined.
- The course should include modern knowledge and techniques.

Ms. Bushraa Hamid (CS-701)

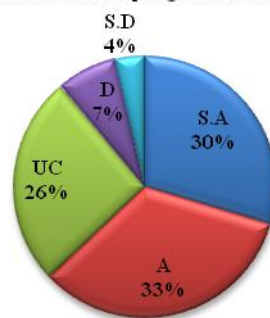
The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 45% are strongly agreed, 26% are agreed, 11% are uncertain, 7% are Disagreed and 11% are strongly disagreed. The graph for “The course workload was manageable”, shows that 45% are strongly agreed, 19% are agreed, 7% are uncertain, 22% are Disagreed and 7% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 24% are strongly agreed, 46% are agreed, 9% are uncertain, 9% are Disagreed and 12% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 28% are strongly agreed, 17% are agreed, 28% are uncertain, 24% are Disagreed and 3% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 28% are strongly agreed, 24% are agreed, 31% are uncertain, 10% are Disagreed and 7% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 23% are strongly agreed, 23% are agreed, 20% are uncertain, 20% are Disagreed and 14% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 31% are strongly agreed, 31% are agreed, 23% are uncertain, 4% are disagreed and 11% are strongly disagreed.



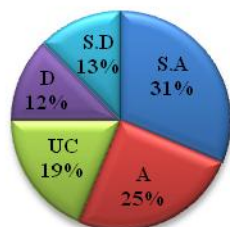
I participated actively in the course



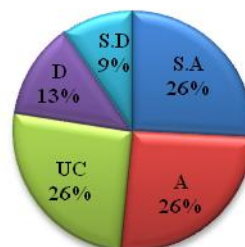
I think I have made progress in this course



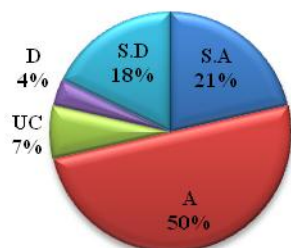
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



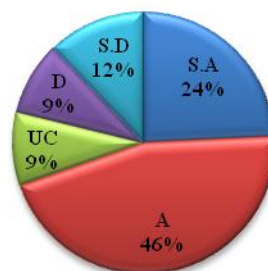
The learning and teaching methods encouraged participation.



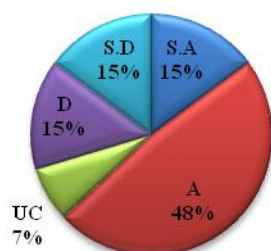
The overall environment in the class was conducive to learning.



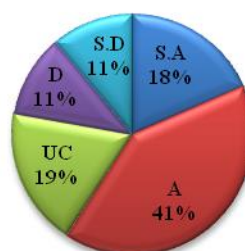
Classrooms were satisfactory



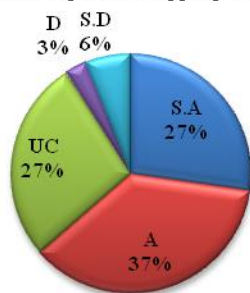
Learning materials (lesson plans, course notes etc.) were relevant and useful.



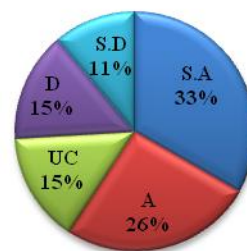
Recommended reading books etc. were relevant and appropriate.



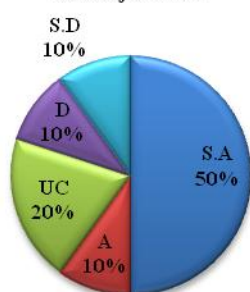
The provision of learning resources in the library was adequate and appropriate.



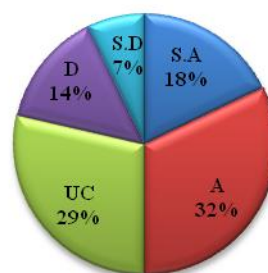
The provision of learning resources on the web was adequate and appropriate. (if relevant)



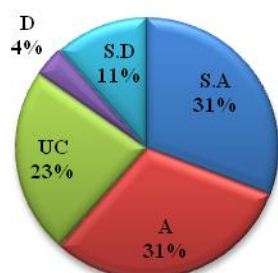
The course stimulated by interest and thought on the subject area.



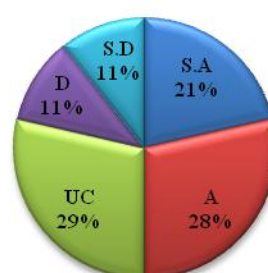
The pace of the course was appropriate



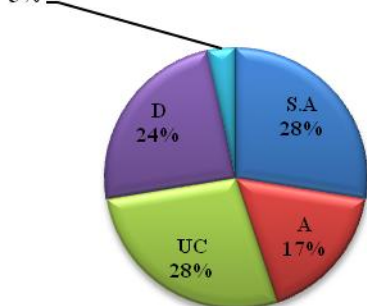
Ideas and concepts were presented clearly



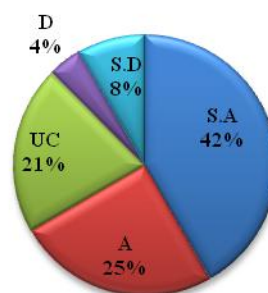
The method of assessment were reasonable

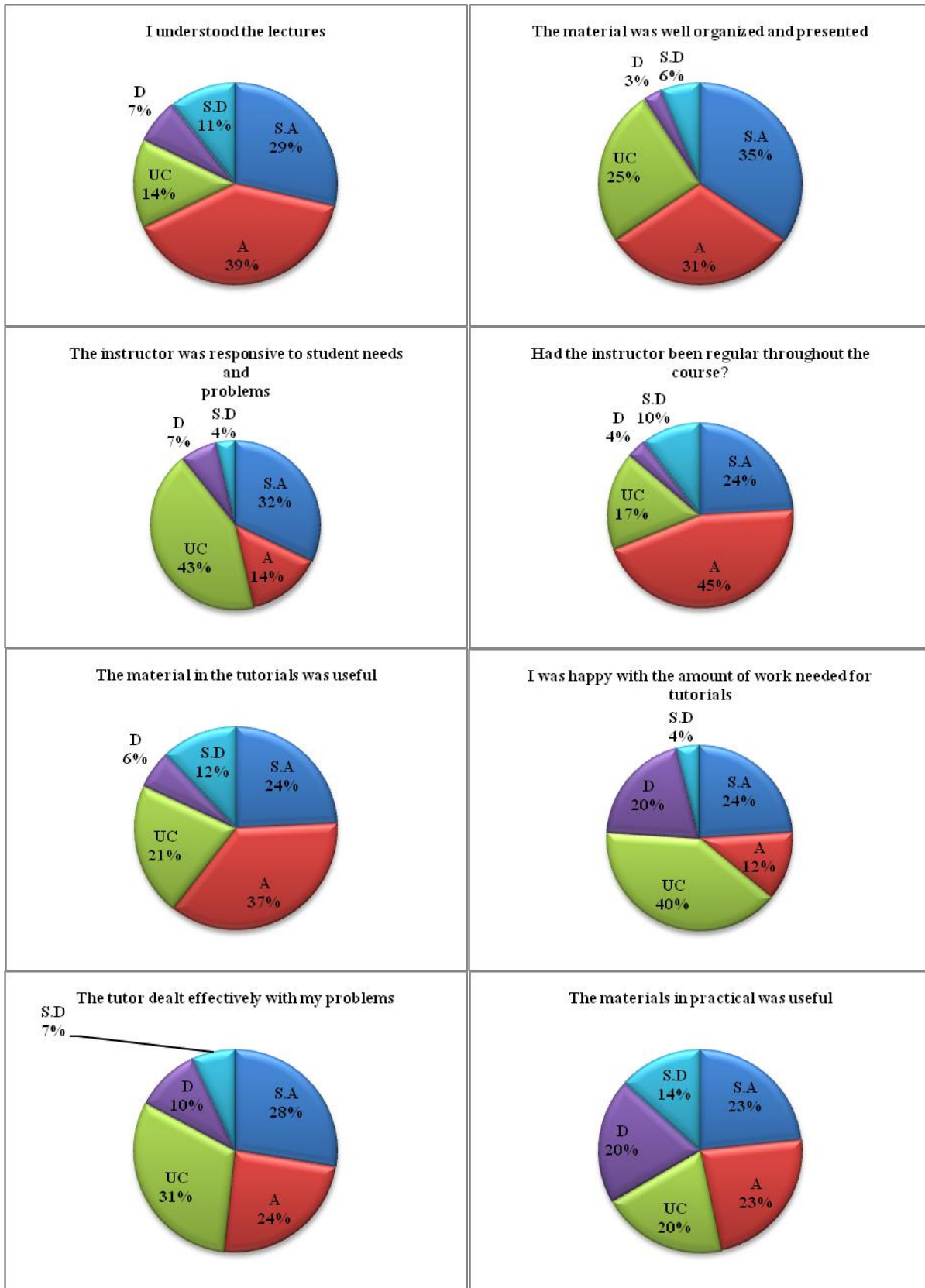


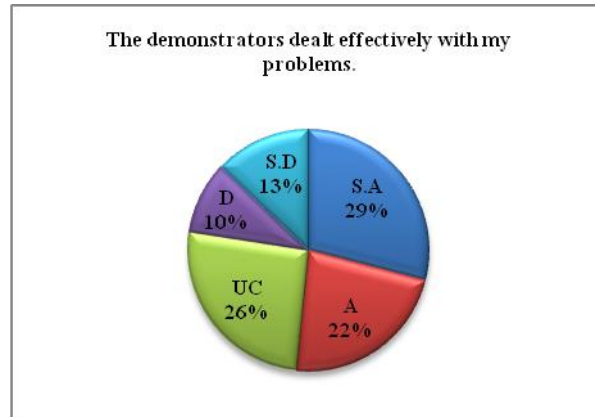
Feedback on assessment was timely



Feedback on assessment was helpful







General Comments of the Students about this Course

Strengths:

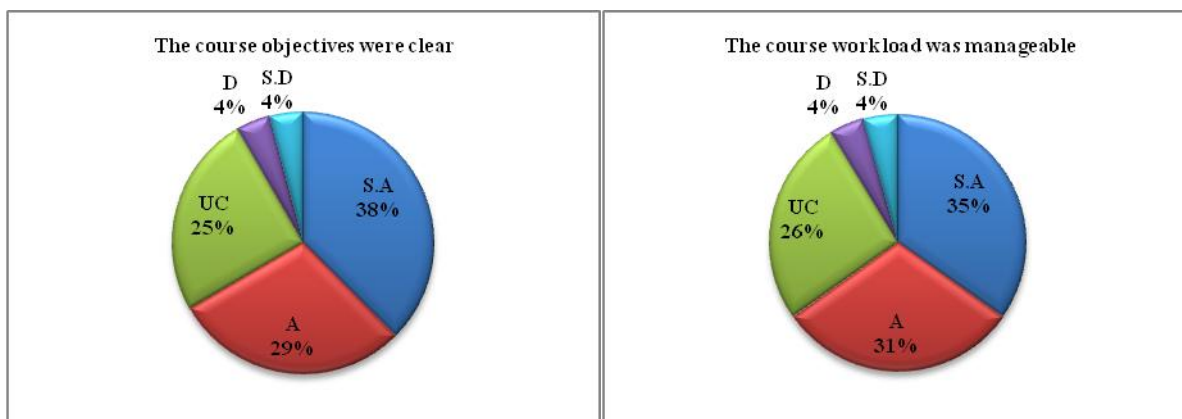
- The course includes modern knowledge and techniques.
- Learning encourage student participation

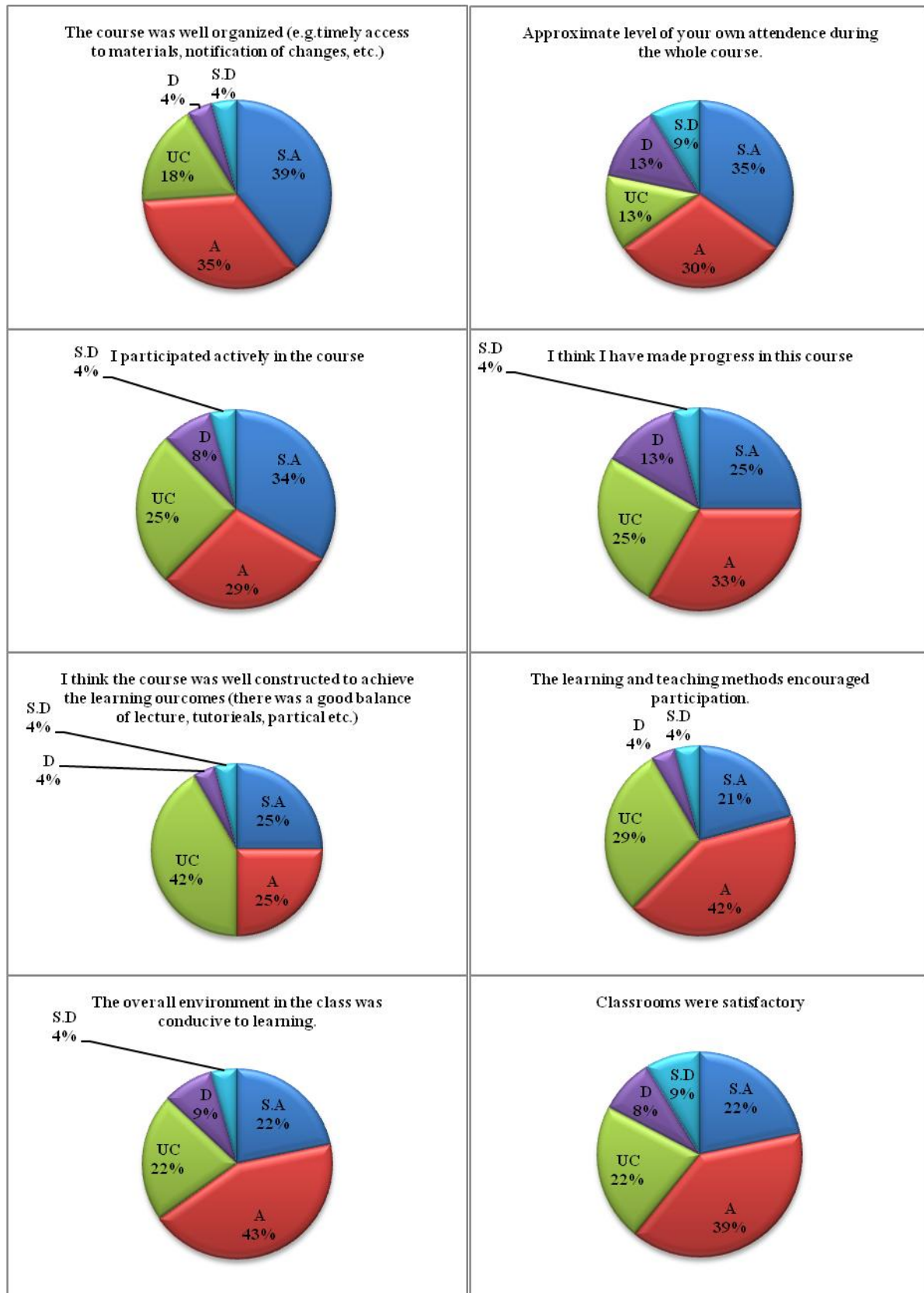
Weaknesses:

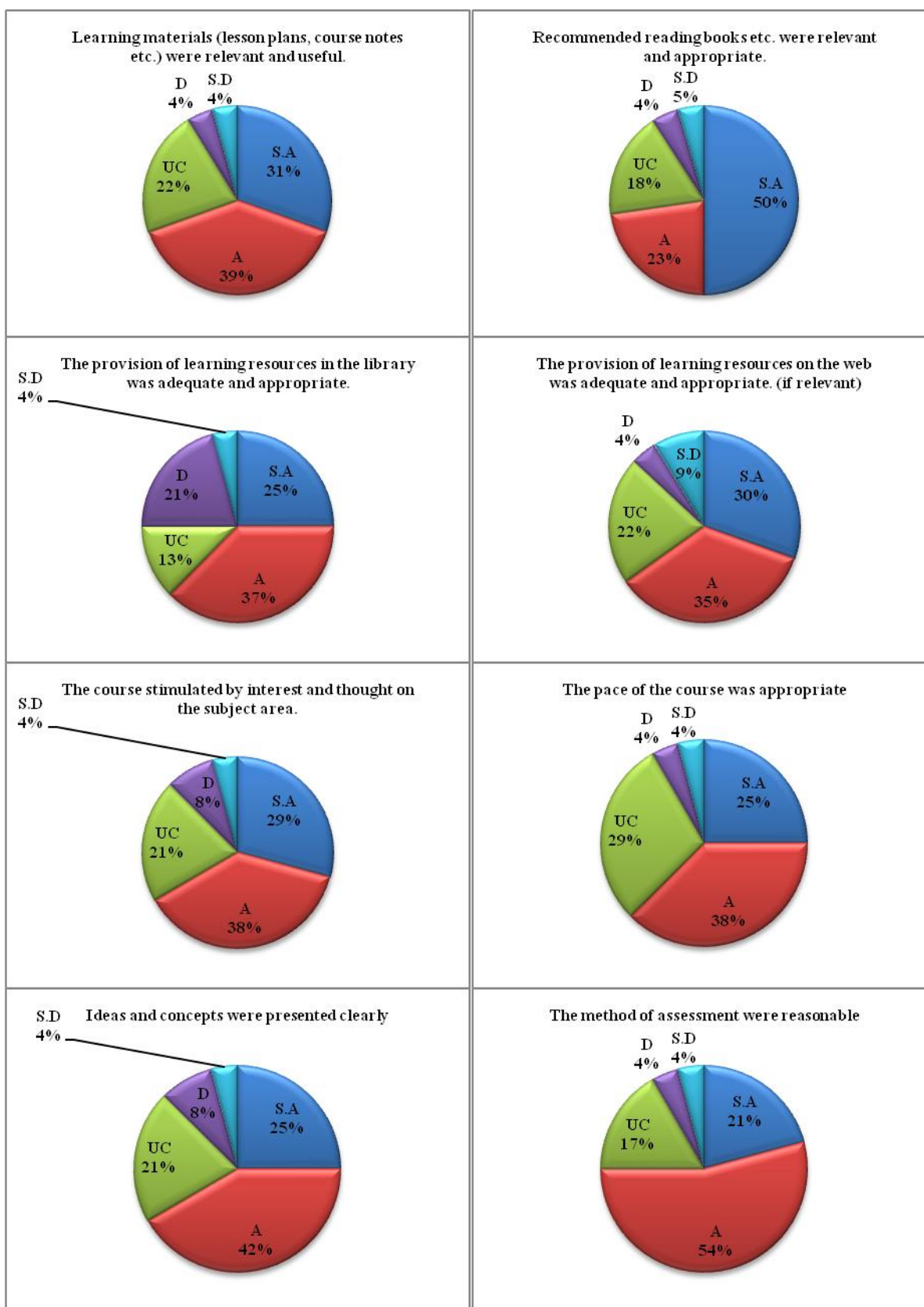
- The course work load is not manageable.
- Learning environment and resources were not satisfactory.
- Course objectives must be clearly defined.

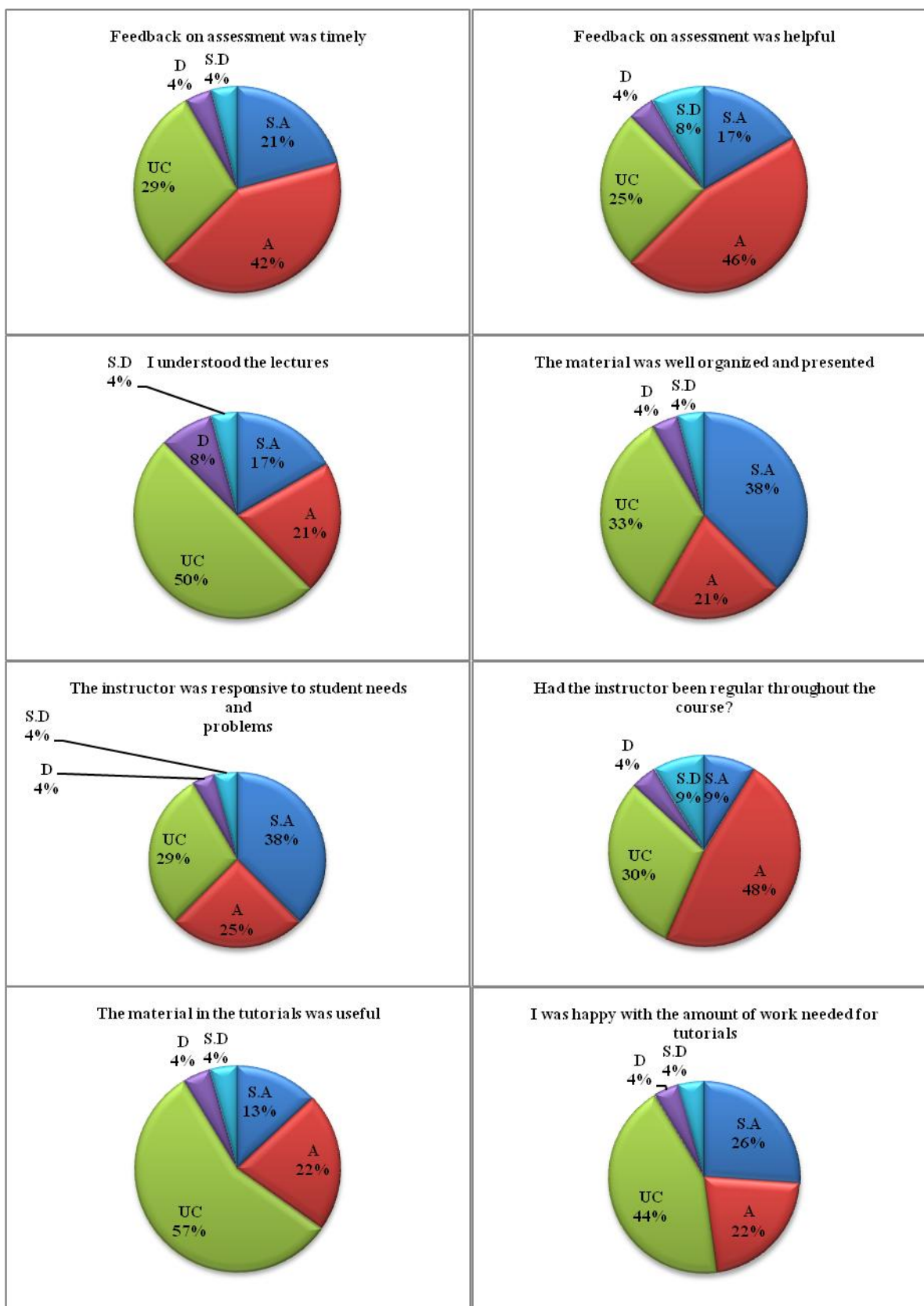
Ms. Irum Rubab (CS-745)

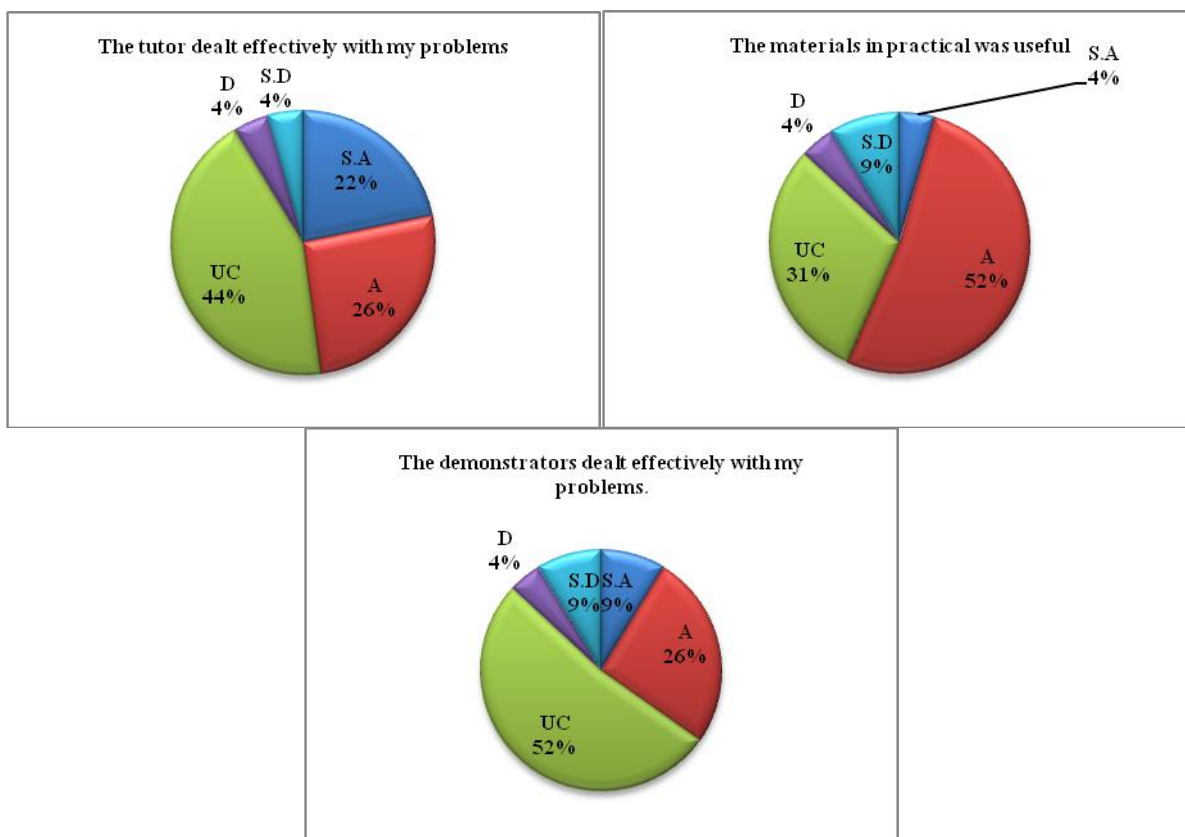
The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 38% are strongly agreed, 29% are agreed, 25% are uncertain, 4% are Disagreed and 4% are strongly disagreed. The graph for “The course workload was manageable”, shows that 35% are strongly agreed, 31% are agreed, 26% are uncertain, 4% are Disagreed and 4% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 22% are strongly agreed, 39% are agreed, 22% are uncertain, 8% are disagreed and 9% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 21% are strongly agreed, 42% are agreed, 29% are uncertain, 4% are Disagreed and 4% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 22% are strongly agreed, 26% are agreed, 44% are uncertain, 4% are disagreed and 4% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 4% are strongly agreed, 52% are agreed, 31% are uncertain, 4% are disagreed and 9% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 25% are strongly agreed, 42% are agreed, 21% are uncertain, 8% are disagreed and 4% are strongly disagreed.











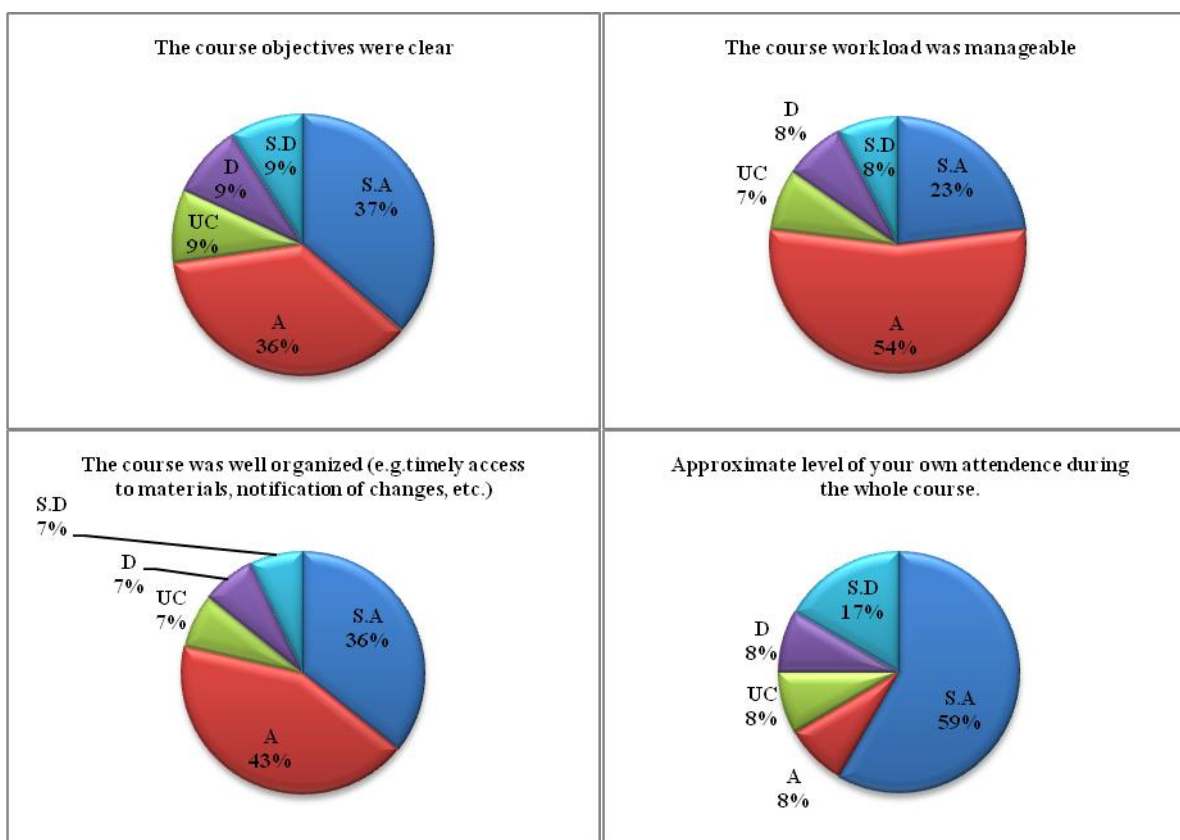
General Comments of the Students about this Course

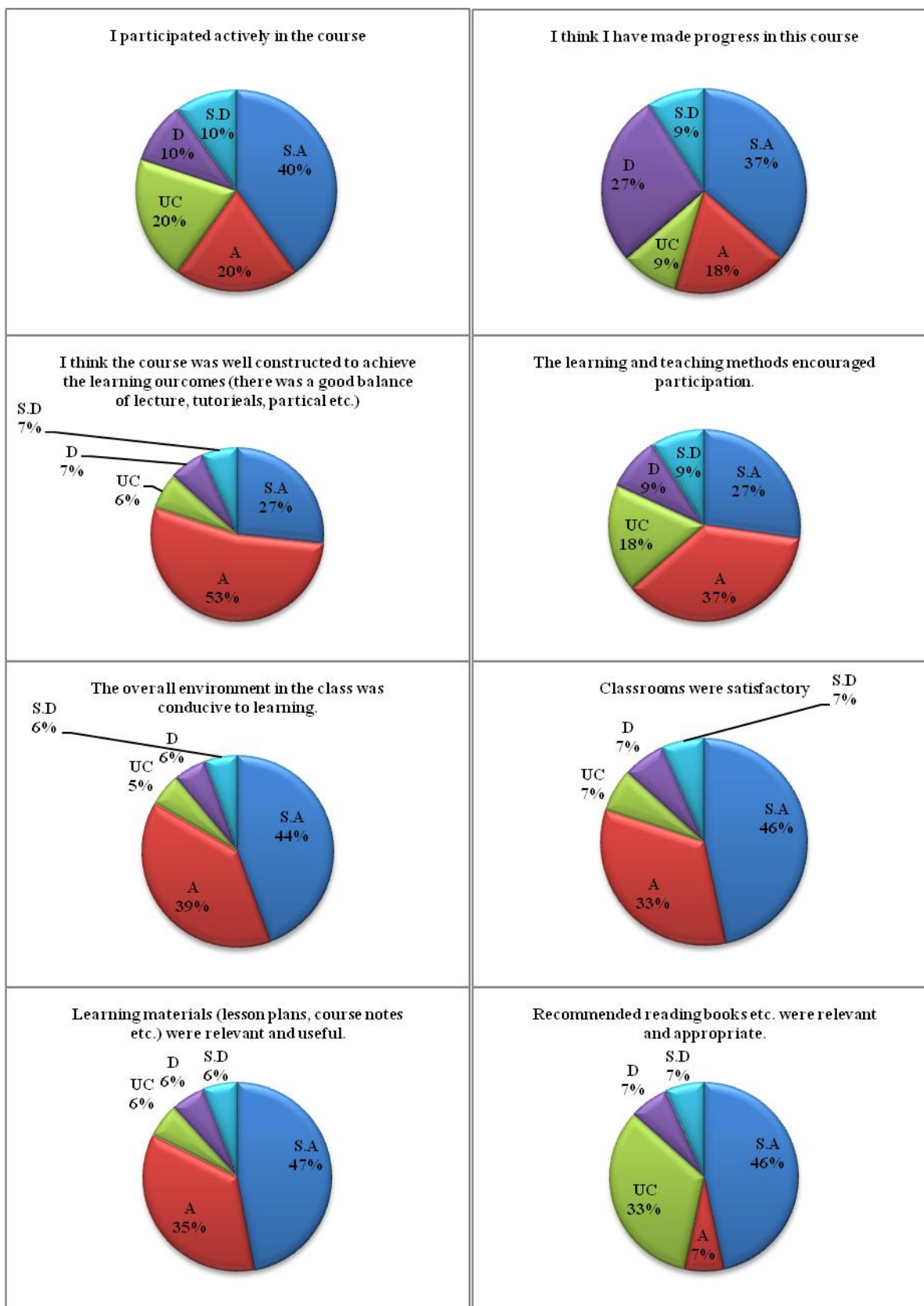
Weaknesses:

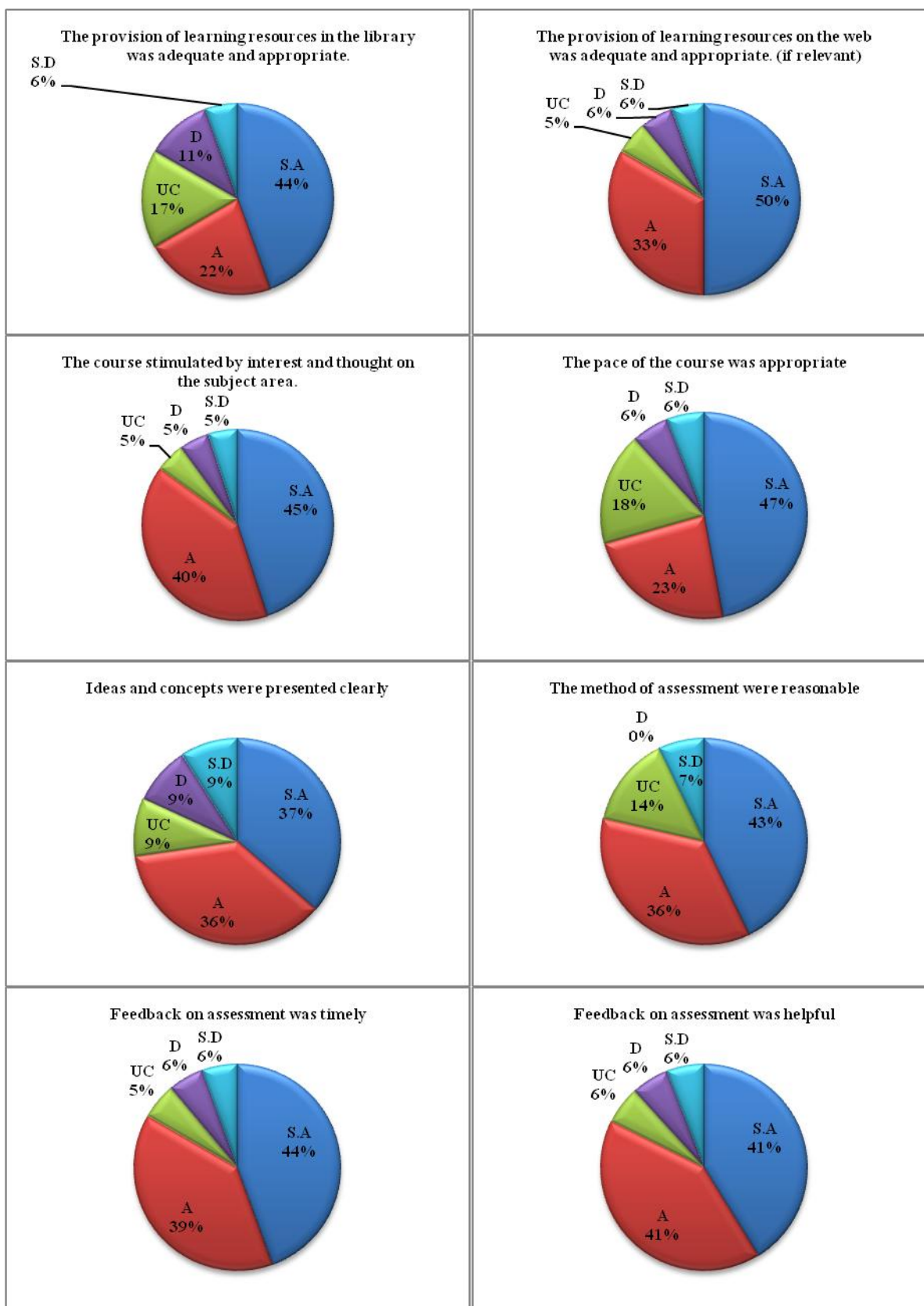
- Learning environment and resources were not satisfactory.
- Course objectives must be clearly defined.
- The course should include modern knowledge and techniques.
- More practical must be arranged in labs.

Mr. Yasir Hafeez (CS-704)

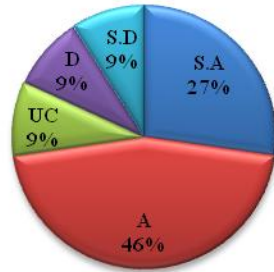
The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 37% are strongly agreed, 36% are agreed, 9% are uncertain, 9% are Disagreed and 9% are strongly disagreed. The graph for “The course workload was manageable”, shows that 23% are strongly agreed, 54% are agreed, 7% are uncertain, 8% are Disagreed and 8% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 46% are strongly agreed, 33% are agreed, 7% are uncertain, 7% are Disagreed and 7% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 44% are strongly agreed, 39% are agreed, 5% are uncertain, 6% are Disagreed and 6% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 34% are strongly agreed, 33% are agreed, 11% are uncertain, 11% are Disagreed and 11% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 46% are strongly agreed, 15% are agreed, 8% are uncertain, 23% are Disagreed and 8% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 37% are strongly agreed, 36% are agreed, 9% are uncertain, 9% are Disagreed and 9% are strongly disagreed.



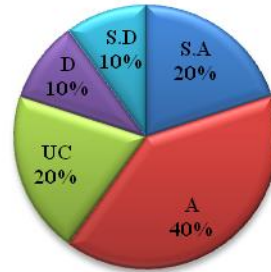




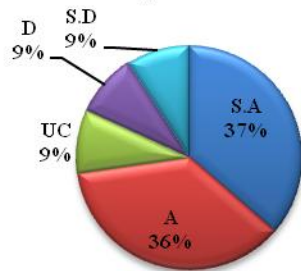
I understood the lectures



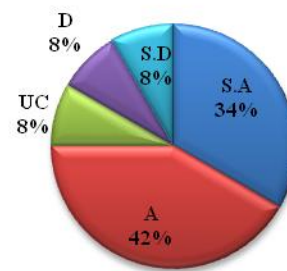
The material was well organized and presented



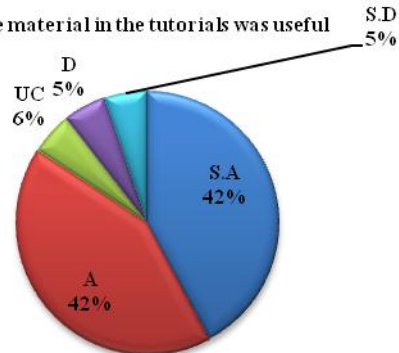
The instructor was responsive to student needs and problems



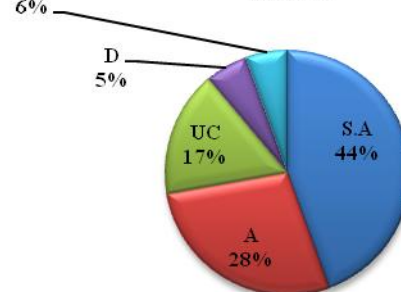
Had the instructor been regular throughout the course?



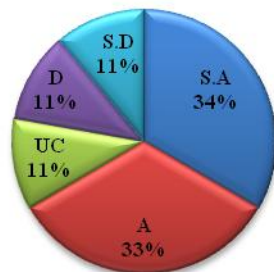
The material in the tutorials was useful



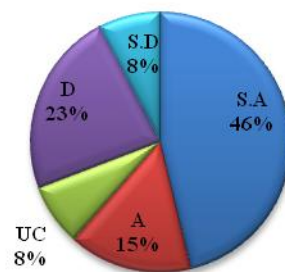
I was happy with the amount of work needed for tutorials

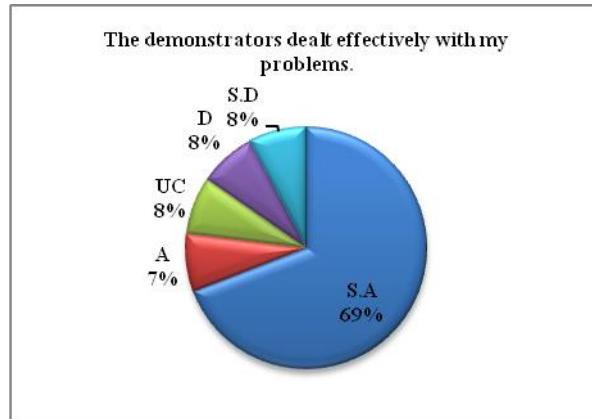


The tutor dealt effectively with my problems



The materials in practical was useful



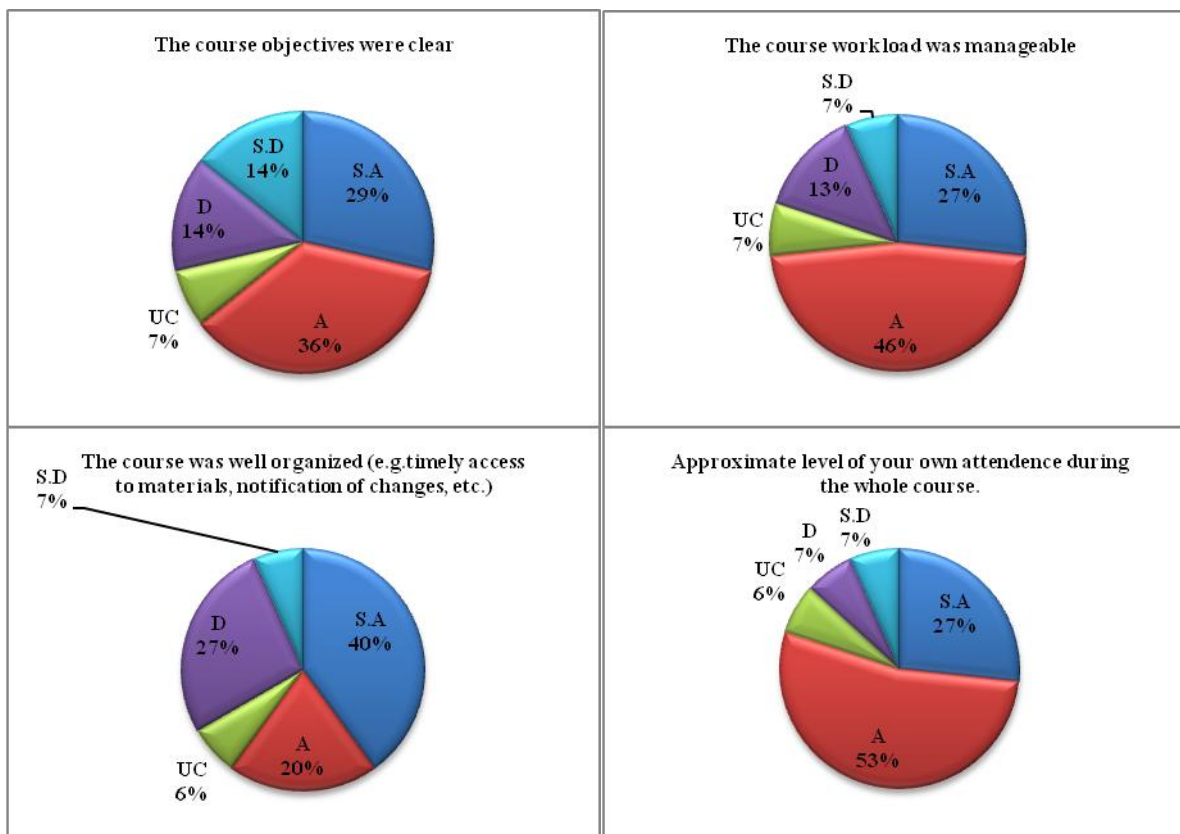


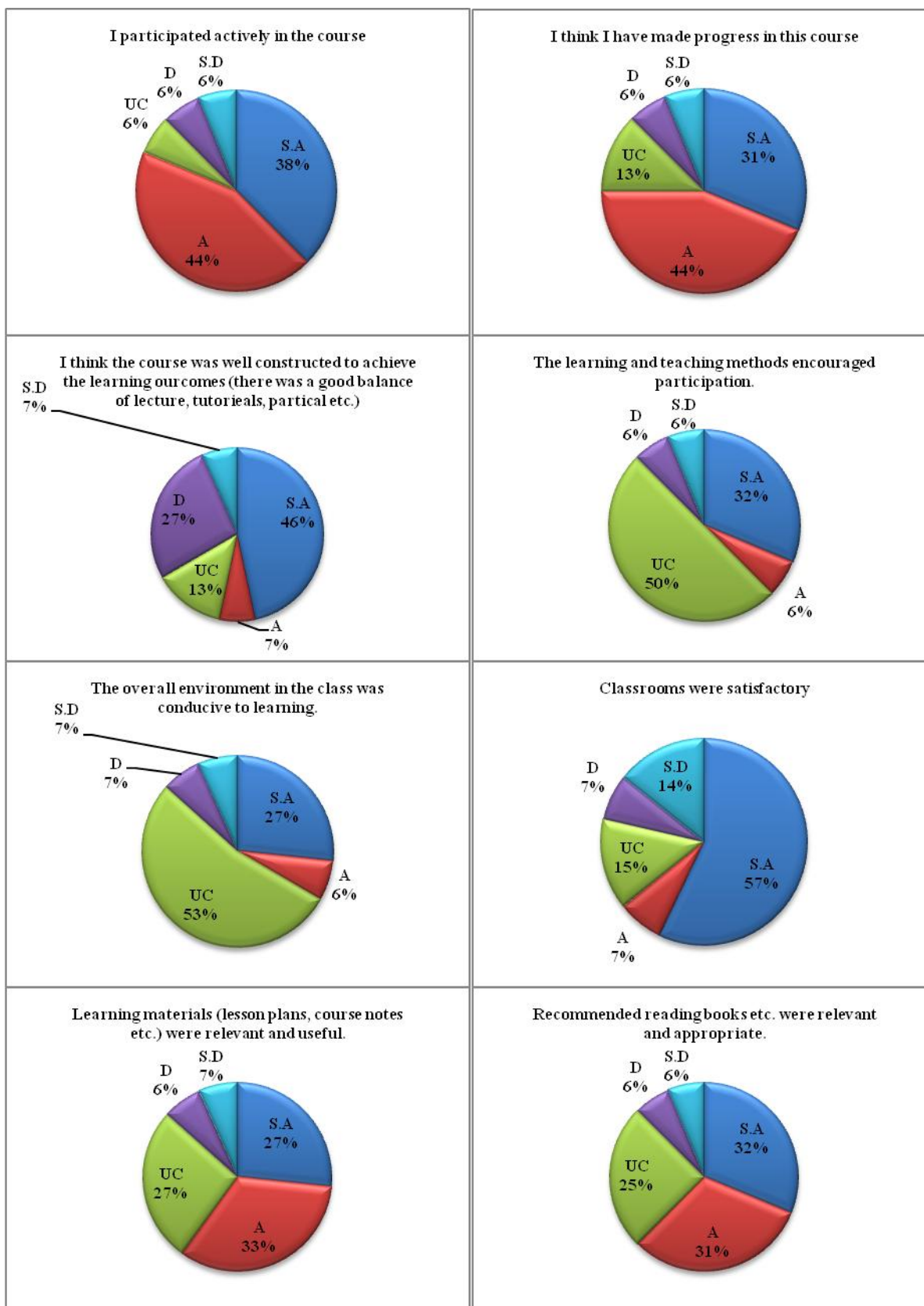
General Comments of the Students about this Course
Strengths

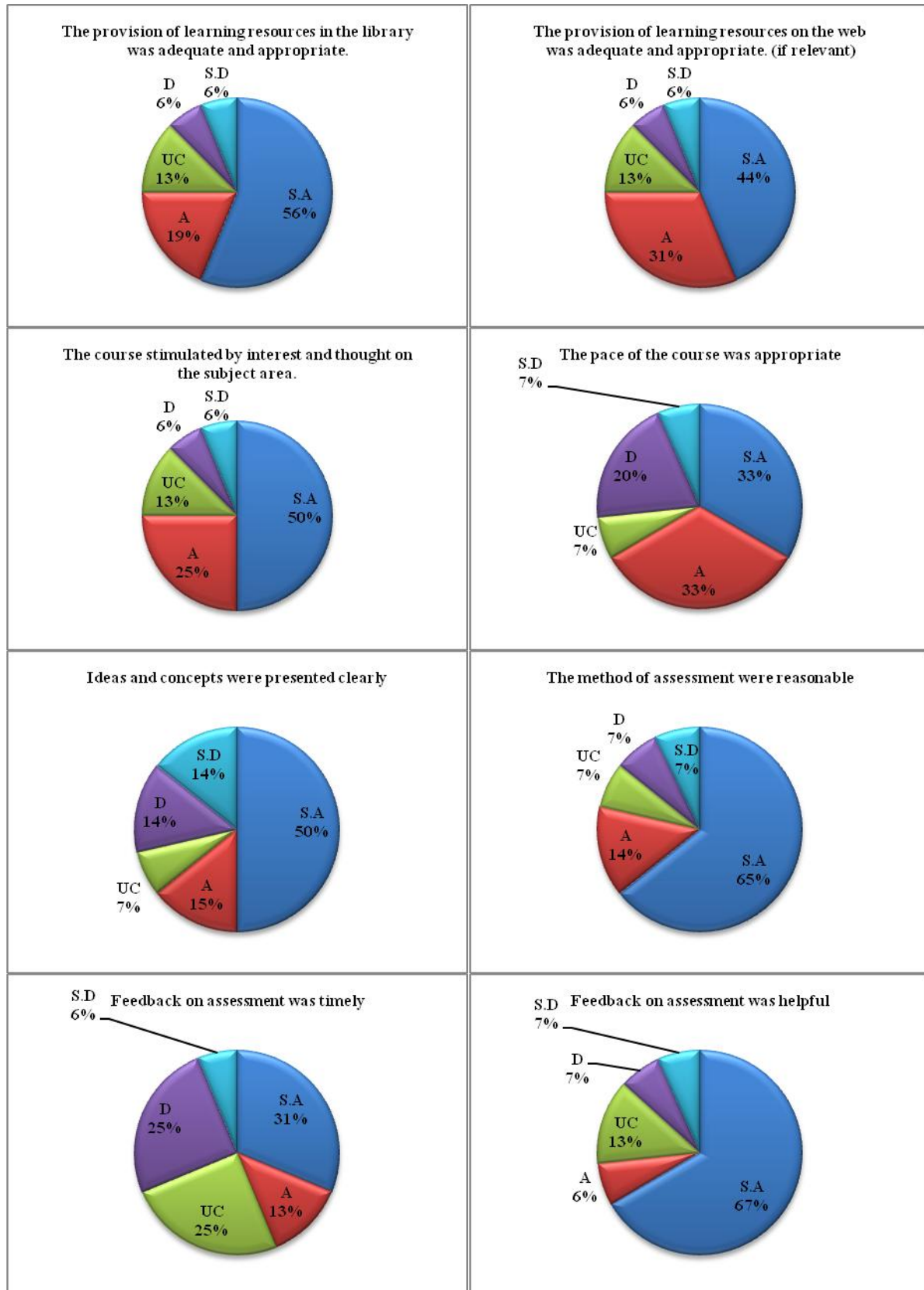
- The course was informative and interesting.
- The course was relevant to the field.

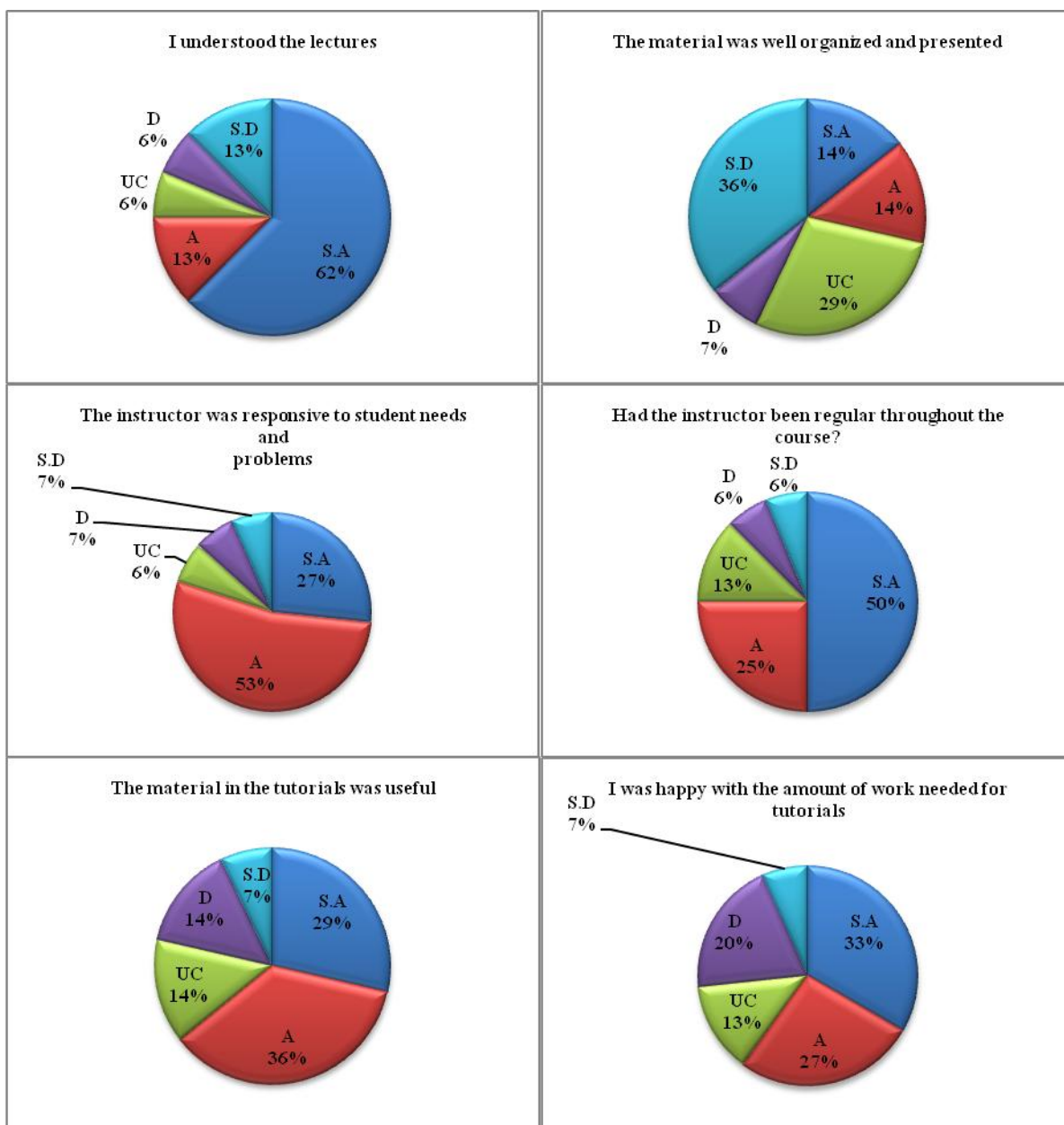
Mr. Muhammad Nazir (CS-708)

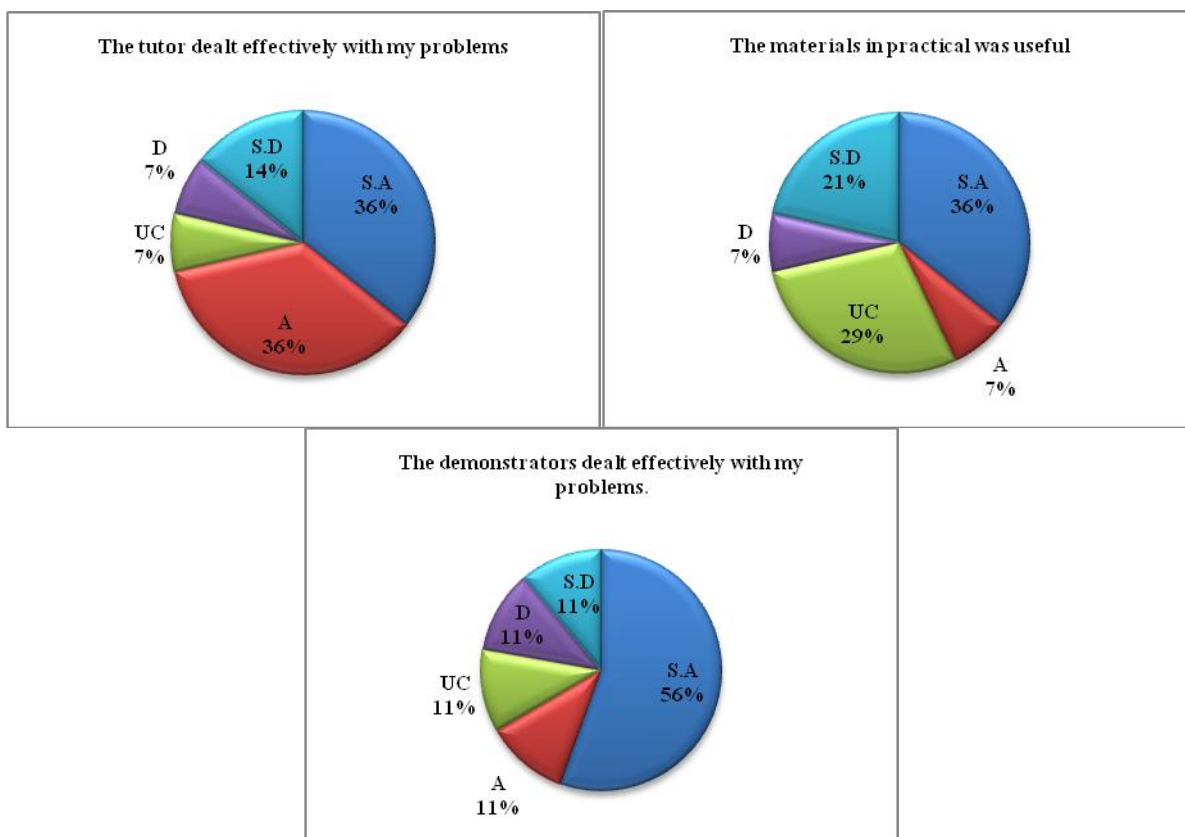
The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 29% are strongly agreed, 36% are agreed, 7% are uncertain, 14% are Disagreed and 14% are strongly disagreed. The graph for “The course workload was manageable”, shows that 27% are strongly agreed, 46% are agreed, 7% are uncertain, 13% are Disagreed and 7% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 57% are strongly agreed, 7% are agreed, 15% are uncertain, 7% are Disagreed and 14% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 31% are strongly agreed, 13% are agreed, 25% are uncertain, 25% are Disagreed and 6% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 36% are strongly agreed, 36% are agreed, 7% are uncertain, 7% are Disagreed and 14% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 36% are strongly agreed, 7% are agreed, 29% are uncertain, 7% are Disagreed and 21% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 50% are strongly agreed, 15% are agreed, 7% are uncertain, 14% are Disagreed and 14% are strongly disagreed.









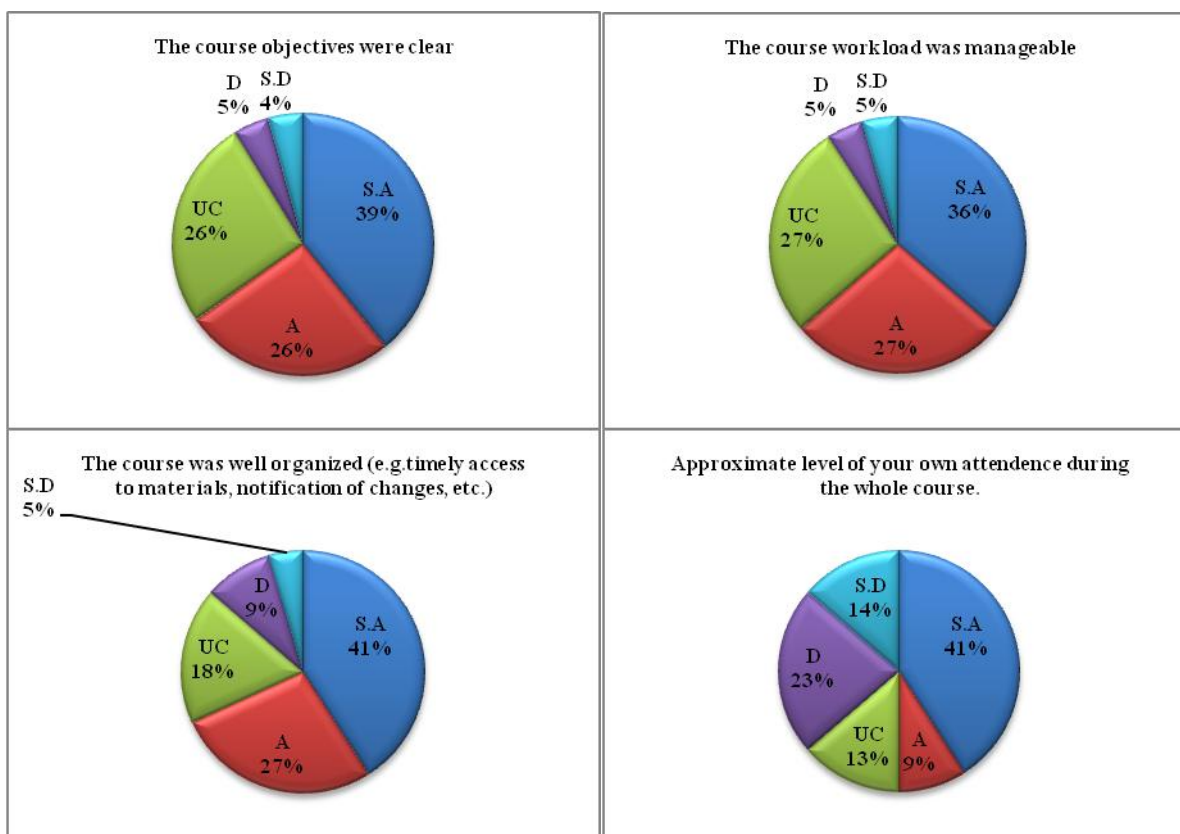


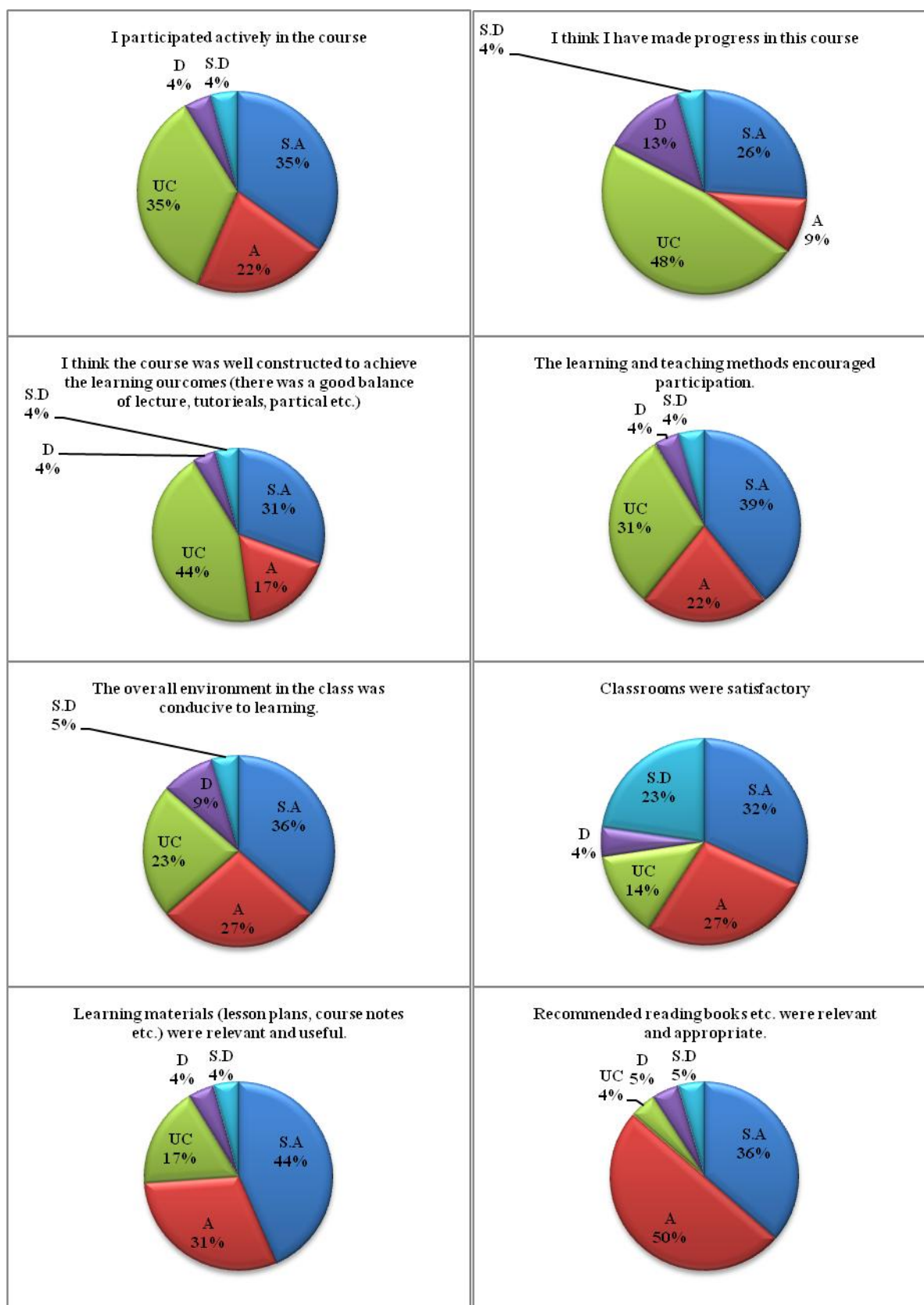
General Comments of the Students about this Course Weaknesses:

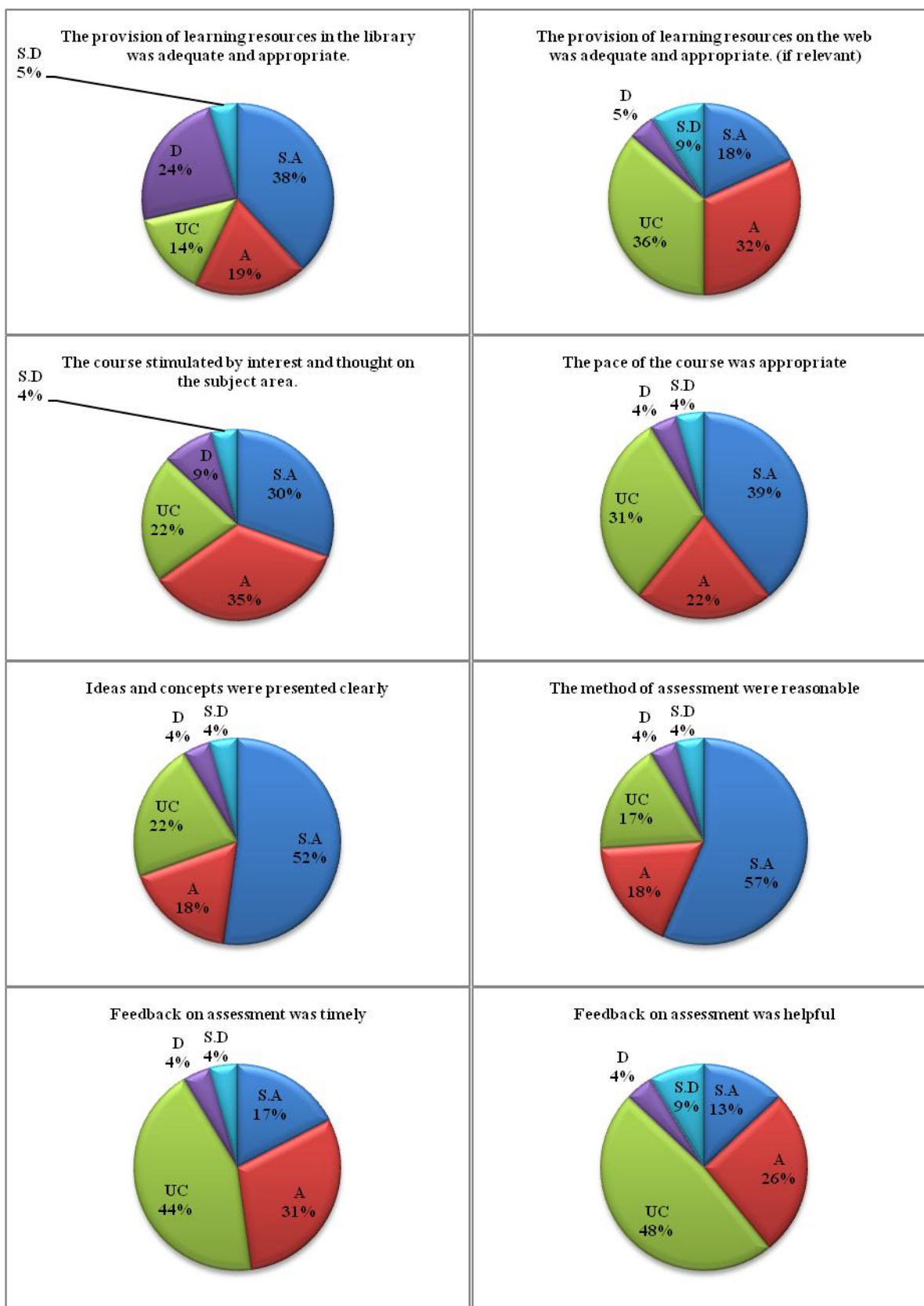
- Ideas and objectives were ambiguous.
- Learning environment and resources were not satisfactory.
- Course objectives must be clearly defined.
- The course work load was not manageable.

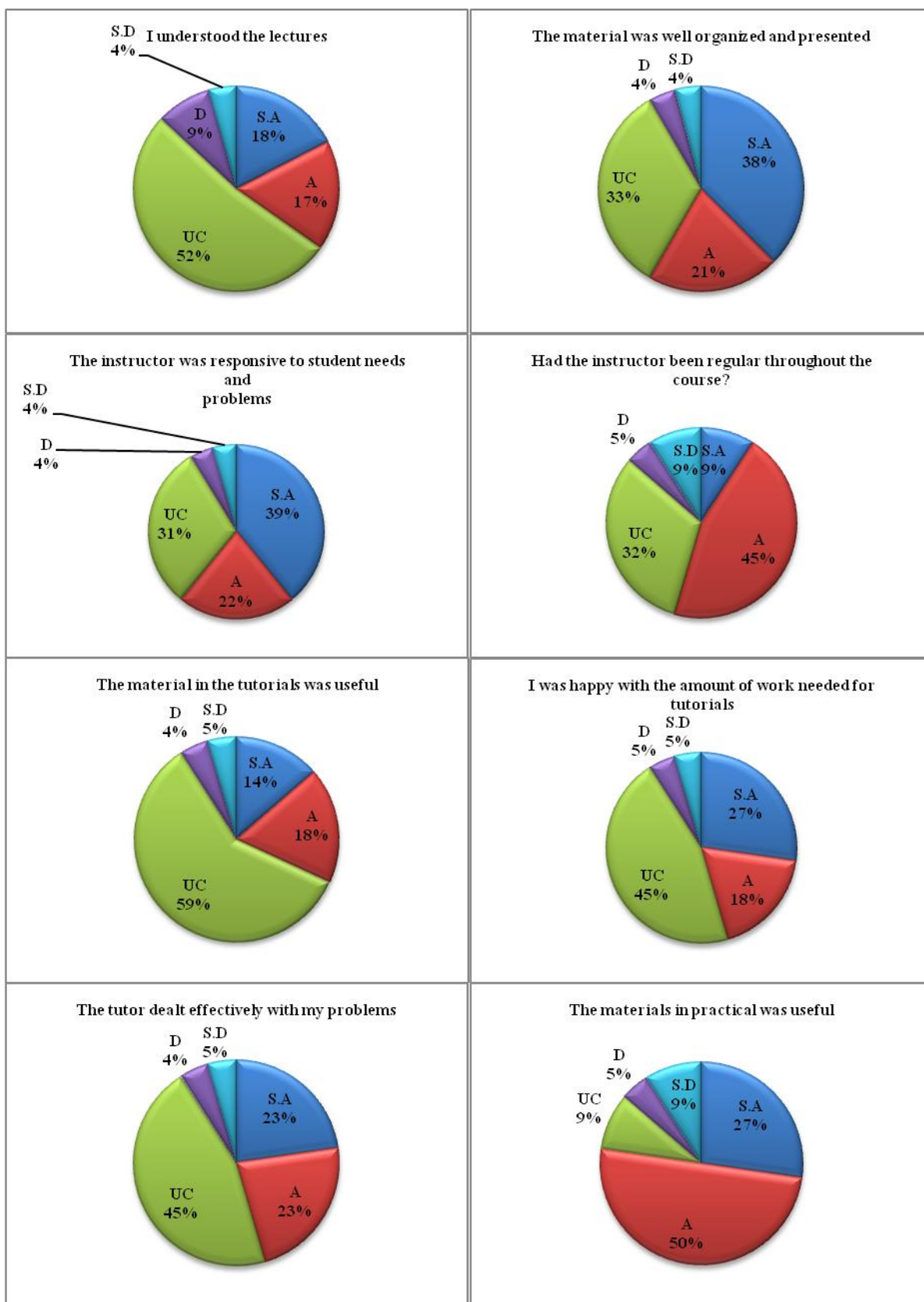
Mr. Syed Mushhad Gillani (CS-771)

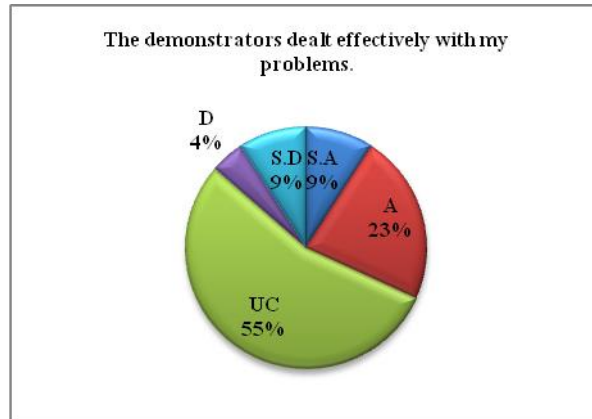
The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 39% are strongly agreed, 26% are agreed, 26% are uncertain, 5% are Disagreed and 4% are strongly disagreed. The graph for “The course workload was manageable”, shows that 36% are strongly agreed, 27% are agreed, 27% are uncertain, 5% are Disagreed and 5% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 32% are strongly agreed, 27% are agreed, 14% are uncertain, 4% are Disagreed and 23% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 17% are strongly agreed, 31% are agreed, 42% are uncertain, 4% are Disagreed and 4% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 23% are strongly agreed, 23% are agreed, 45% are uncertain, 4% are Disagreed and 5% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 27% are strongly agreed, 50% are agreed, 9% are uncertain, 5% are Disagreed and 9% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 52% are strongly agreed, 18% are agreed, 22% are uncertain, 4% are Disagreed and 4% are strongly disagreed.











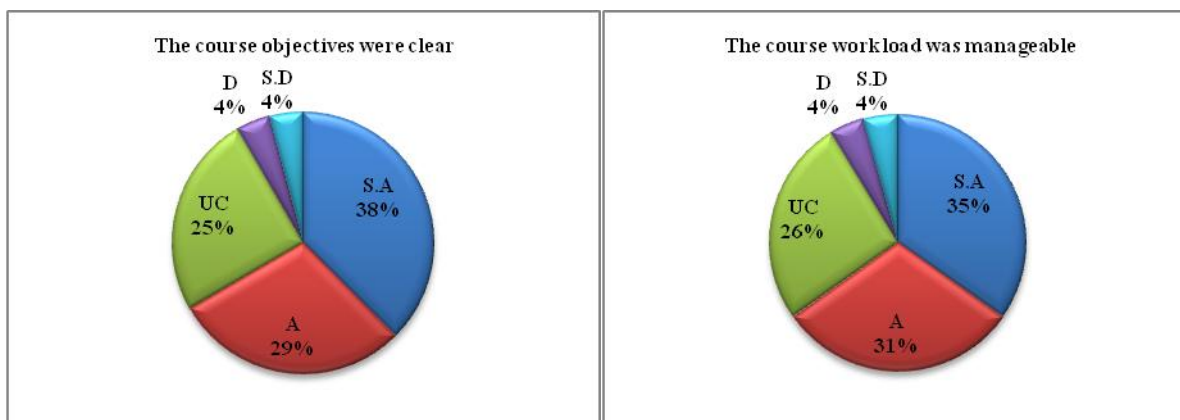
General Comments of the Students about this Course

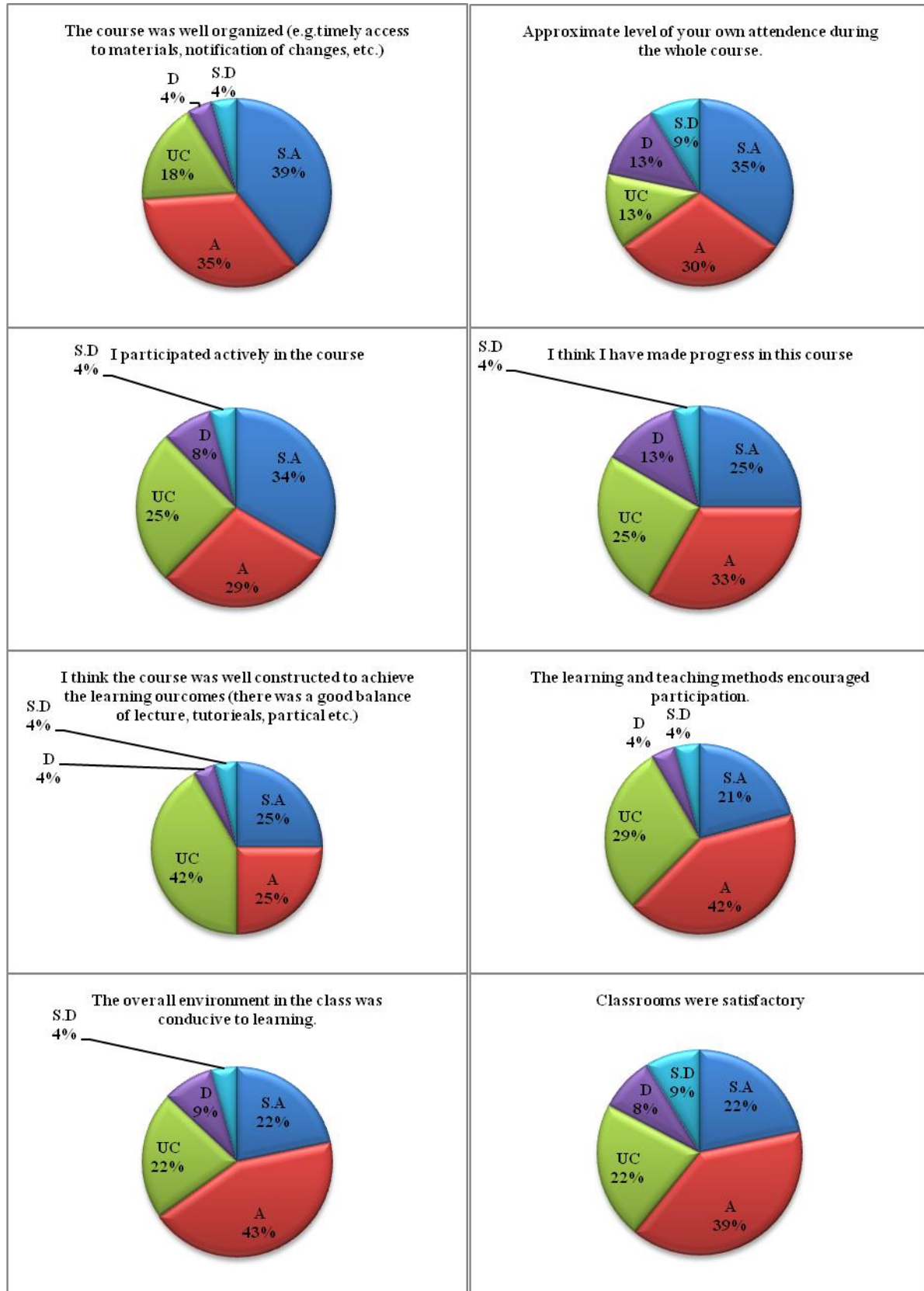
Weaknesses:

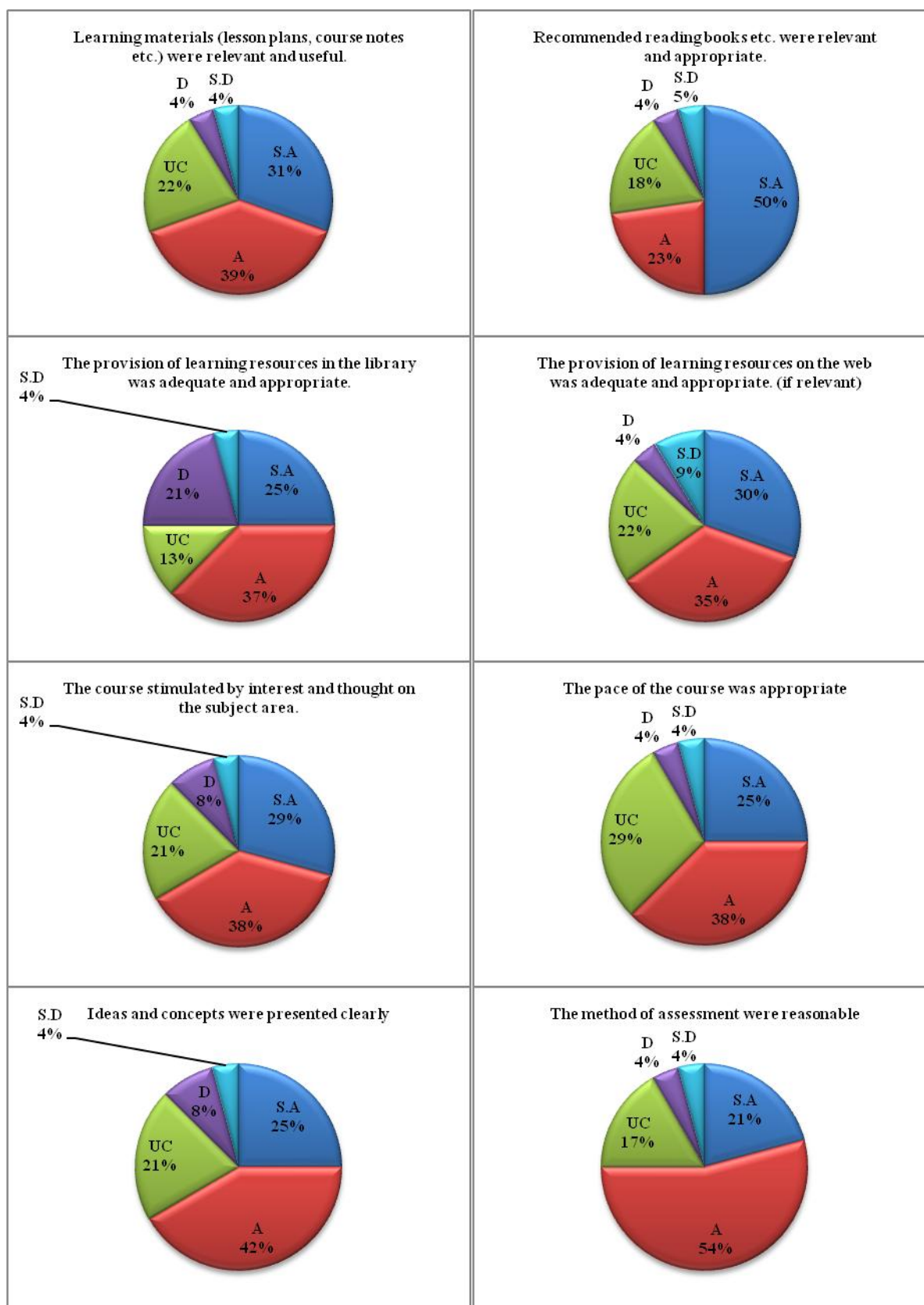
- Learning environment and resources were not satisfactory.
- Course objectives must be clearly defined.
- The course should include modern knowledge and techniques.

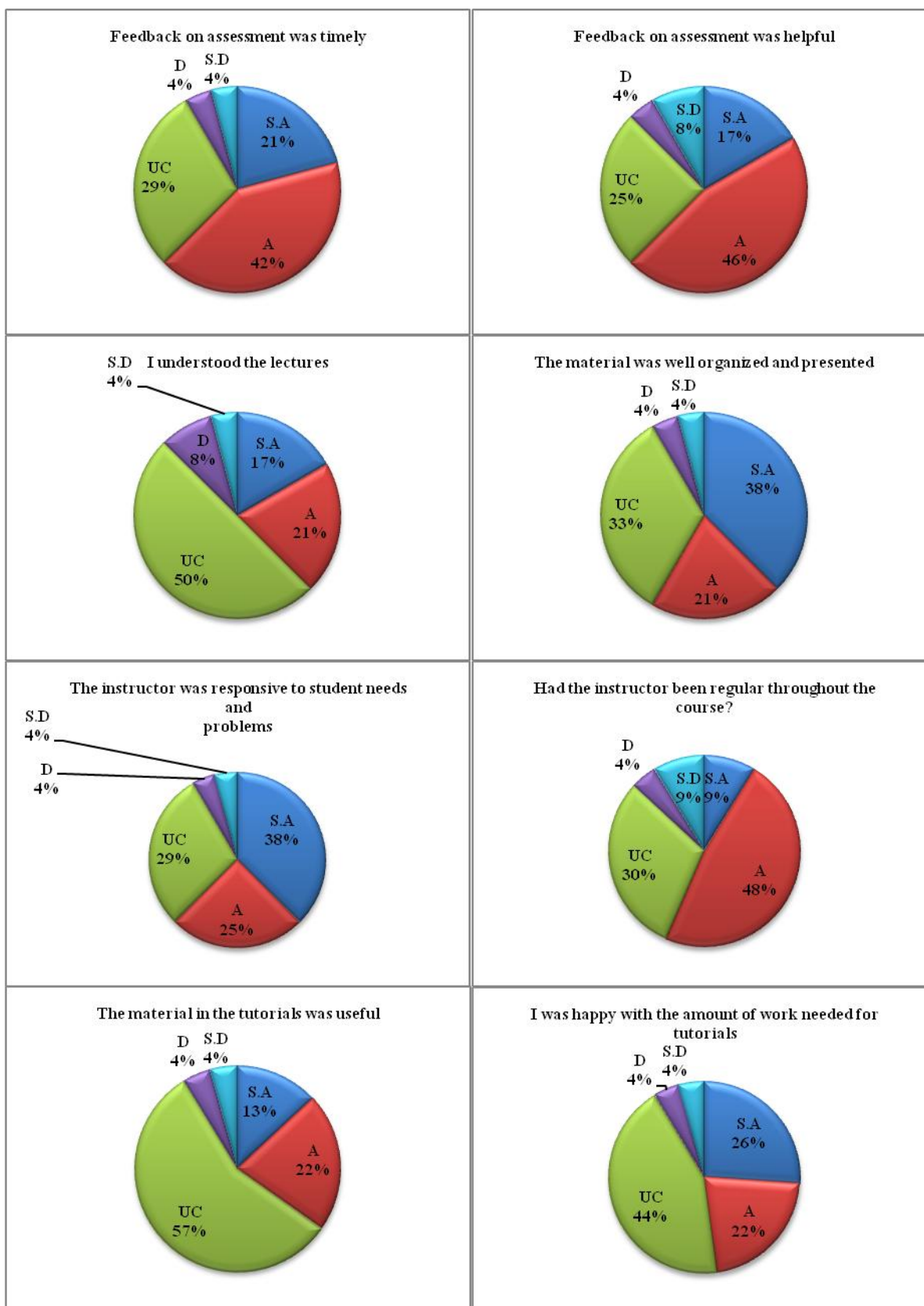
Mr. Yasir Hafeez (CS-704)

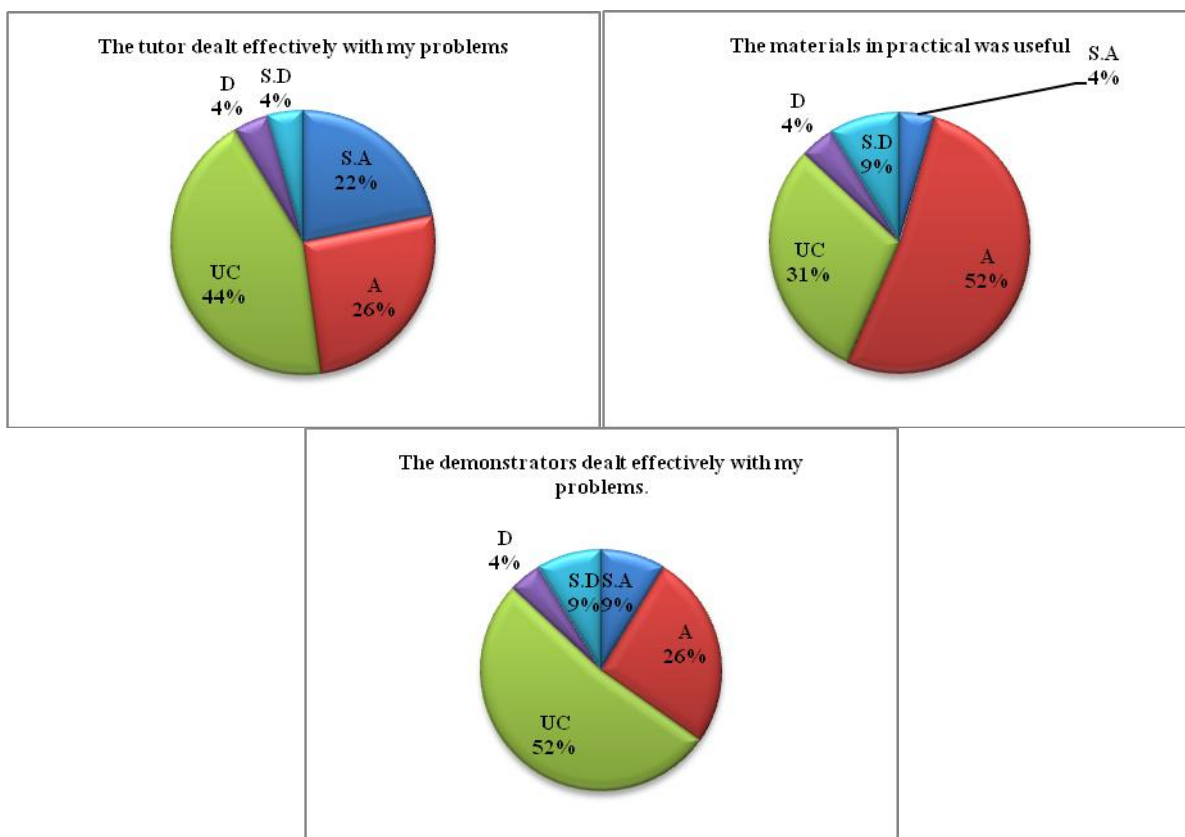
The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 38% are strongly agreed, 29% are agreed, 25% are uncertain, 4% are Disagreed and 4% are strongly disagreed. The graph for “The course workload was manageable”, shows that 35% are strongly agreed, 31% are agreed, 26% are uncertain, 4% are Disagreed and 4% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 22% are strongly agreed, 39% are agreed, 22% are uncertain, 8% are Disagreed and 9% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 21% are strongly agreed, 42% are agreed, 29% are uncertain, 4% are Disagreed and 4% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 22% are strongly agreed, 26% are agreed, 44% are uncertain, 4% are Disagreed and 4% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 4% are strongly agreed, 52% are agreed, 31% are uncertain, 4% are Disagreed and 9% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 25% are strongly agreed, 42% are agreed, 21% are uncertain, 8% are Disagreed and 4% are strongly disagreed.











General Comments of the Students about this Course

Strengths:

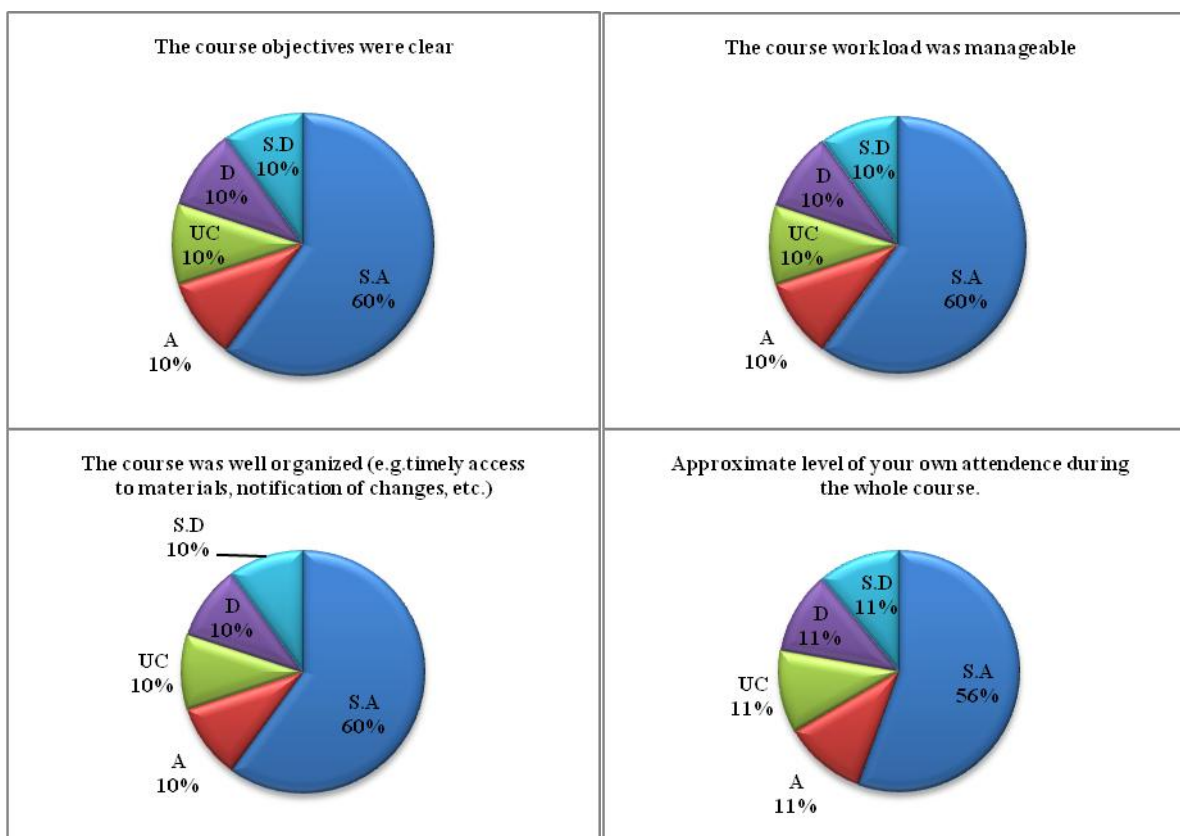
- Learning environment and resources were satisfactory.

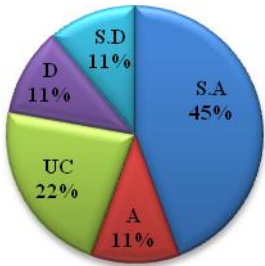
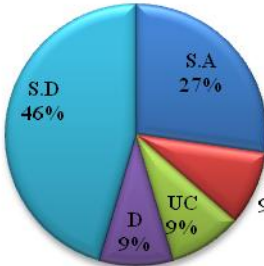
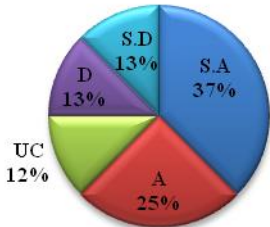
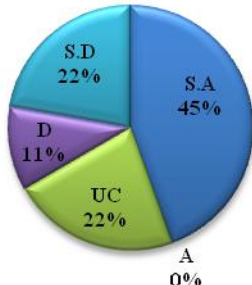
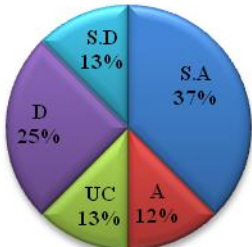
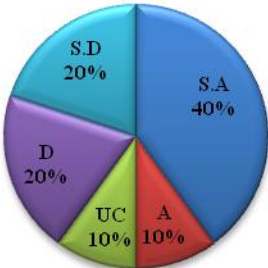
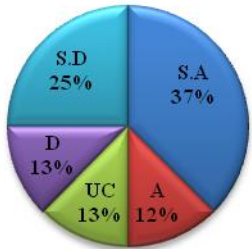
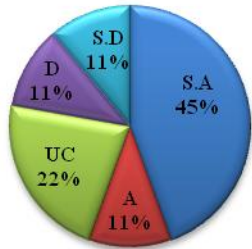
Weaknesses:

- Course objectives must be clearly defined.
- The course should include modern knowledge and techniques.
- More practical must be arranged in labs.

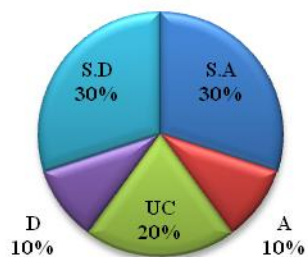
Mr. Yasir Hafeez (CS-774)

The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 60% are strongly agreed, 10% are agreed, 10% are uncertain, 10% are Disagreed and 10% are strongly disagreed. The graph for “The course workload was manageable”, shows that 60% are strongly agreed, 10% are agreed, 10% are uncertain, 10% are Disagreed and 10% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 40% are strongly agreed, 10% are agreed, 10% are uncertain, 20% are Disagreed and 20% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 34% are strongly agreed, 22% are agreed, 11% are uncertain, 11% are Disagreed and 22% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 37% are strongly agreed, 12% are agreed, 25% are uncertain, 13% are Disagreed and 13% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 45% are strongly agreed, 11% are agreed, 22% are uncertain, 11% are Disagreed and 11% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 34% are strongly agreed, 11% are agreed, 22% are uncertain, 11% are Disagreed and 22% are strongly disagreed.

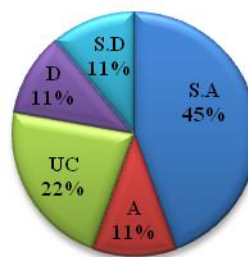


I participated actively in the course  <table border="1"> <thead> <tr> <th>Response</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>S.A</td> <td>45%</td> </tr> <tr> <td>S.D</td> <td>11%</td> </tr> <tr> <td>UC</td> <td>22%</td> </tr> <tr> <td>D</td> <td>11%</td> </tr> <tr> <td>A</td> <td>11%</td> </tr> </tbody> </table>	Response	Percentage	S.A	45%	S.D	11%	UC	22%	D	11%	A	11%	I think I have made progress in this course  <table border="1"> <thead> <tr> <th>Response</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>S.A</td> <td>27%</td> </tr> <tr> <td>S.D</td> <td>46%</td> </tr> <tr> <td>UC</td> <td>9%</td> </tr> <tr> <td>D</td> <td>9%</td> </tr> <tr> <td>A</td> <td>9%</td> </tr> </tbody> </table>	Response	Percentage	S.A	27%	S.D	46%	UC	9%	D	9%	A	9%
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I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)  <table border="1"> <thead> <tr> <th>Response</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>S.A</td> <td>37%</td> </tr> <tr> <td>S.D</td> <td>13%</td> </tr> <tr> <td>UC</td> <td>12%</td> </tr> <tr> <td>D</td> <td>13%</td> </tr> <tr> <td>A</td> <td>25%</td> </tr> </tbody> </table>	Response	Percentage	S.A	37%	S.D	13%	UC	12%	D	13%	A	25%	The learning and teaching methods encouraged participation.  <table border="1"> <thead> <tr> <th>Response</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>S.A</td> <td>45%</td> </tr> <tr> <td>S.D</td> <td>22%</td> </tr> <tr> <td>UC</td> <td>22%</td> </tr> <tr> <td>D</td> <td>11%</td> </tr> <tr> <td>A</td> <td>0%</td> </tr> </tbody> </table>	Response	Percentage	S.A	45%	S.D	22%	UC	22%	D	11%	A	0%
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The overall environment in the class was conducive to learning.  <table border="1"> <thead> <tr> <th>Response</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>S.A</td> <td>37%</td> </tr> <tr> <td>S.D</td> <td>13%</td> </tr> <tr> <td>UC</td> <td>13%</td> </tr> <tr> <td>D</td> <td>25%</td> </tr> <tr> <td>A</td> <td>12%</td> </tr> </tbody> </table>	Response	Percentage	S.A	37%	S.D	13%	UC	13%	D	25%	A	12%	Classrooms were satisfactory  <table border="1"> <thead> <tr> <th>Response</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>S.A</td> <td>40%</td> </tr> <tr> <td>S.D</td> <td>20%</td> </tr> <tr> <td>UC</td> <td>10%</td> </tr> <tr> <td>D</td> <td>20%</td> </tr> <tr> <td>A</td> <td>10%</td> </tr> </tbody> </table>	Response	Percentage	S.A	40%	S.D	20%	UC	10%	D	20%	A	10%
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A	10%																								
Learning materials (lesson plans, course notes etc.) were relevant and useful.  <table border="1"> <thead> <tr> <th>Response</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>S.A</td> <td>37%</td> </tr> <tr> <td>S.D</td> <td>25%</td> </tr> <tr> <td>UC</td> <td>13%</td> </tr> <tr> <td>D</td> <td>13%</td> </tr> <tr> <td>A</td> <td>12%</td> </tr> </tbody> </table>	Response	Percentage	S.A	37%	S.D	25%	UC	13%	D	13%	A	12%	Recommended reading books etc. were relevant and appropriate.  <table border="1"> <thead> <tr> <th>Response</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>S.A</td> <td>45%</td> </tr> <tr> <td>S.D</td> <td>11%</td> </tr> <tr> <td>UC</td> <td>22%</td> </tr> <tr> <td>D</td> <td>11%</td> </tr> <tr> <td>A</td> <td>11%</td> </tr> </tbody> </table>	Response	Percentage	S.A	45%	S.D	11%	UC	22%	D	11%	A	11%
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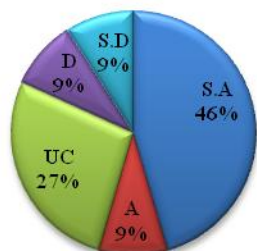
The provision of learning resources in the library was adequate and appropriate.



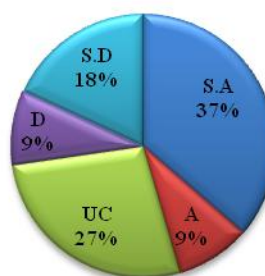
The provision of learning resources on the web was adequate and appropriate. (if relevant)



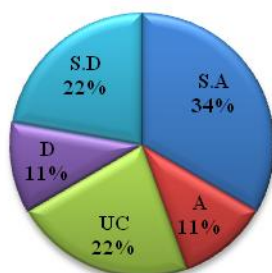
The course stimulated by interest and thought on the subject area.



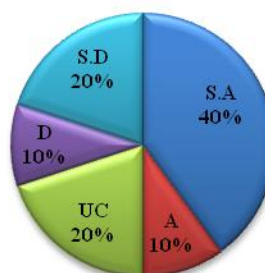
The pace of the course was appropriate



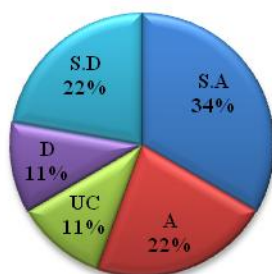
Ideas and concepts were presented clearly



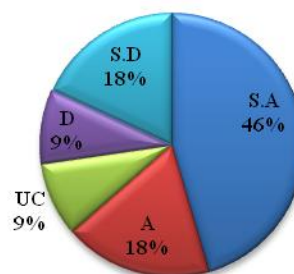
The method of assessment were reasonable



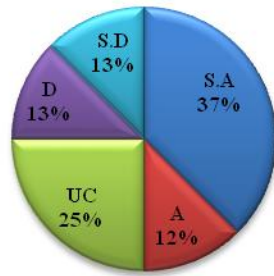
Feedback on assessment was timely



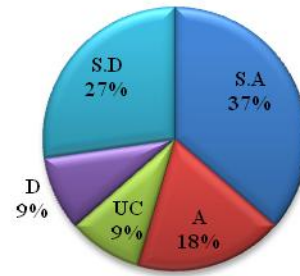
Feedback on assessment was helpful



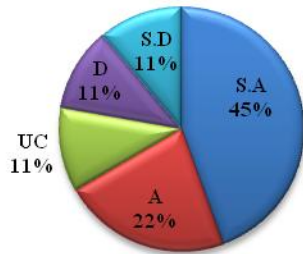
I understood the lectures



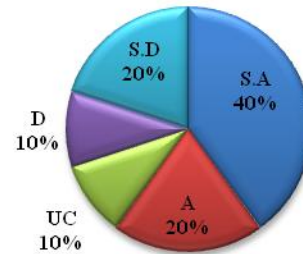
The material was well organized and presented



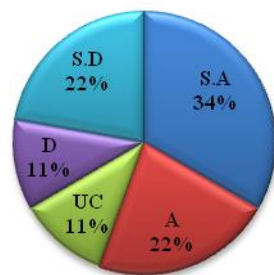
The instructor was responsive to student needs and problems



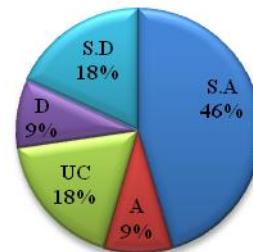
Had the instructor been regular throughout the course?



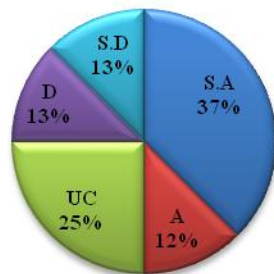
The material in the tutorials was useful



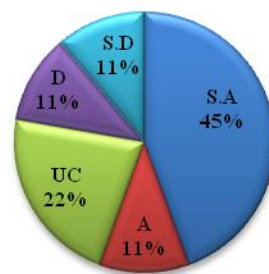
I was happy with the amount of work needed for tutorials

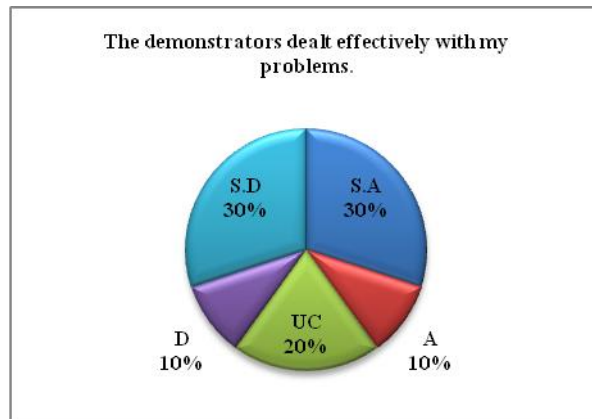


The tutor dealt effectively with my problems



The materials in practical was useful





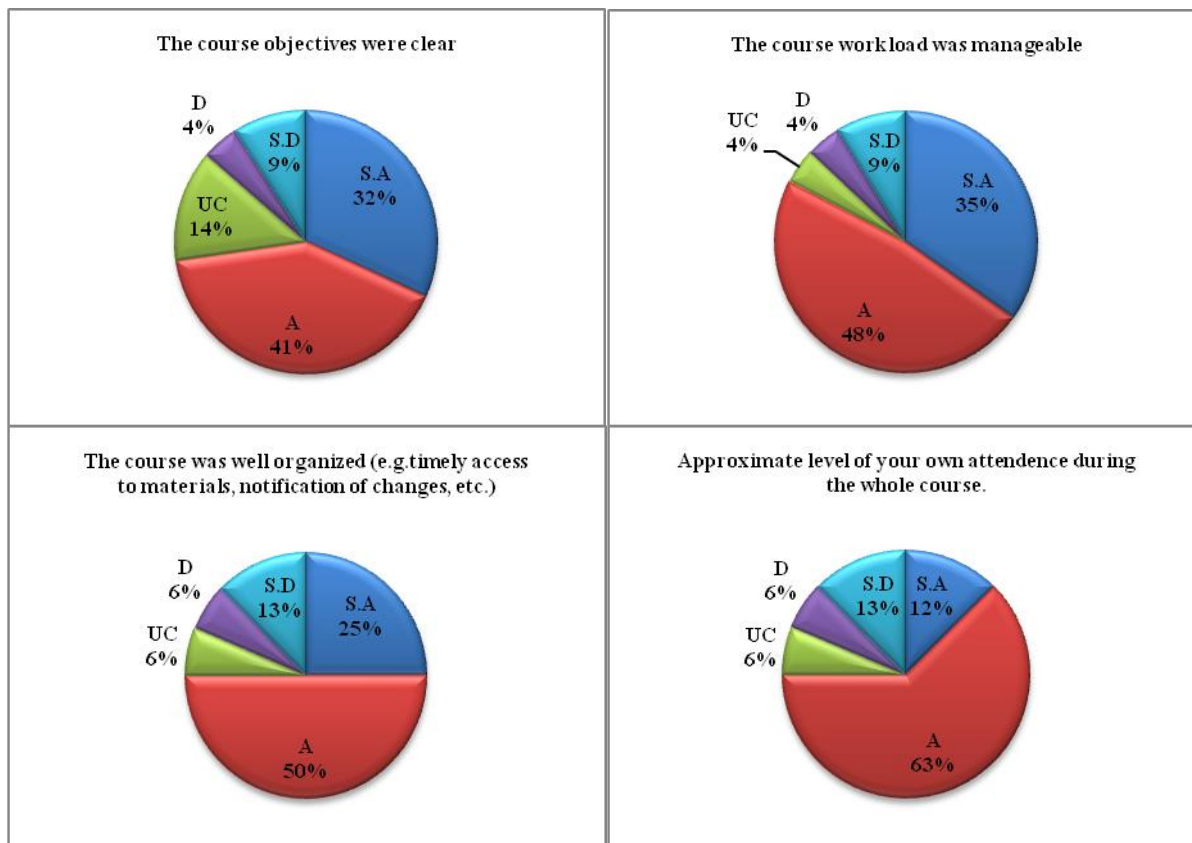
General Comments of the Students about this Course

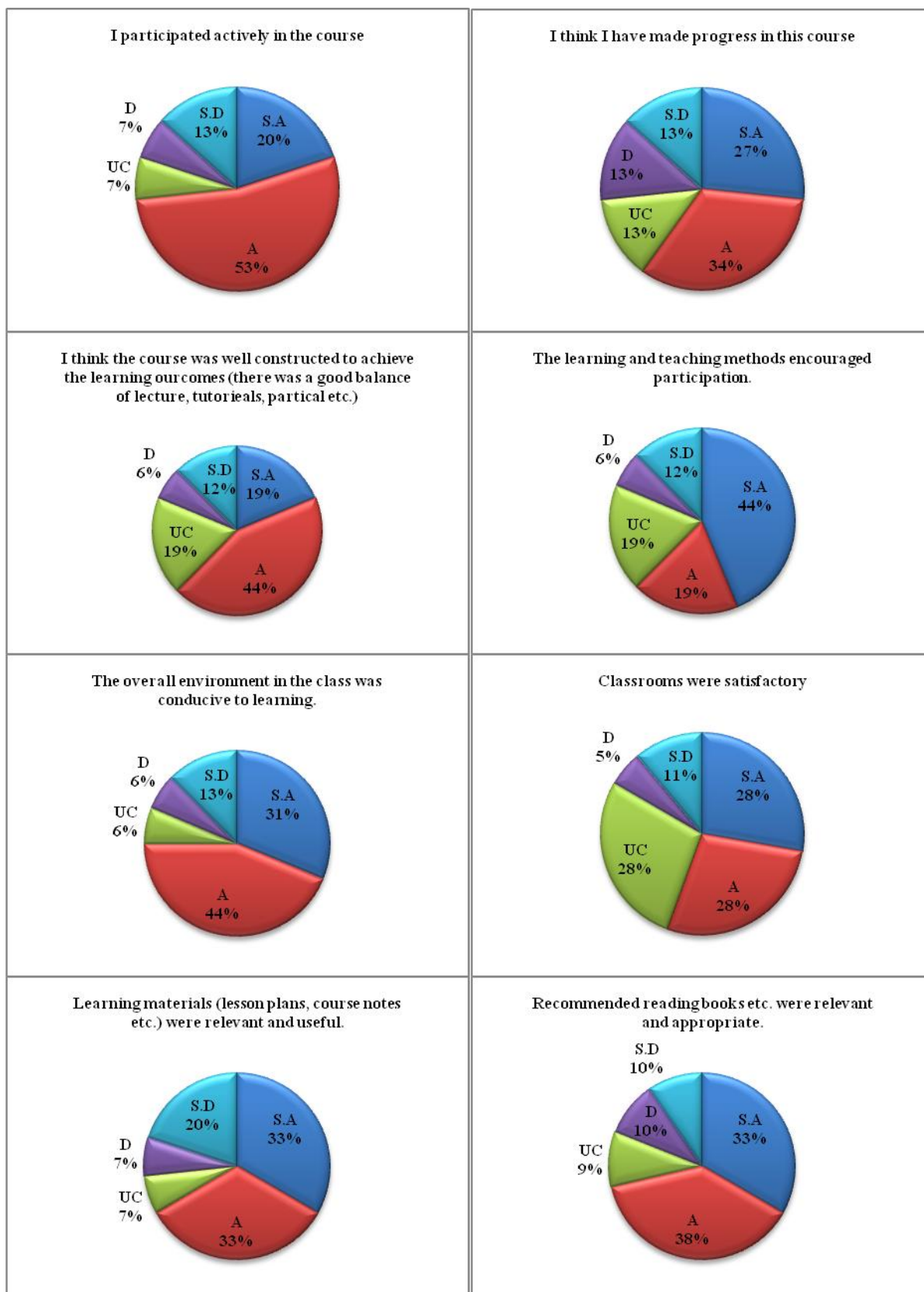
Weaknesses:

- The instructor should respond to the student's needs and problems.
- Learning environment and resources were not satisfactory.
- Course objectives must be more clearly defined.
- The course should be more effective towards learning.
- Proper materials were not available for practical demonstrations.

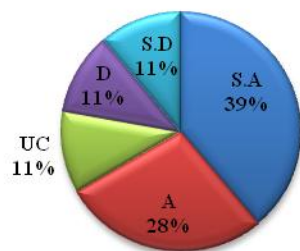
Ms. Rubina Ghazal (CS- 793)

The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 32% are strongly agreed, 41% are agreed, 14% are uncertain, 4% are Disagreed and 9% are strongly disagreed. The graph for “The course workload was manageable”, shows that 35% are strongly agreed, 48% are agreed, 4% are uncertain, 4% are Disagreed and 9% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 28% are strongly agreed, 28% are agreed, 28% are uncertain, 5% are Disagreed and 11% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 25% are strongly agreed, 35% are agreed, 10% are uncertain, 15% are Disagreed and 15% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 44% are strongly agreed, 22% are agreed, 6% are uncertain, 17% are Disagreed and 11% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 17% are strongly agreed, 41% are agreed, 8% are uncertain, 17% are Disagreed and 17% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 26% are strongly agreed, 37% are agreed, 10% are uncertain, 11% are Disagreed and 16% are strongly disagreed.

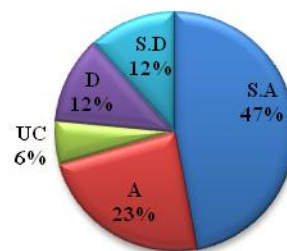




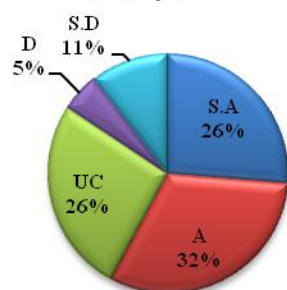
The provision of learning resources in the library was adequate and appropriate.



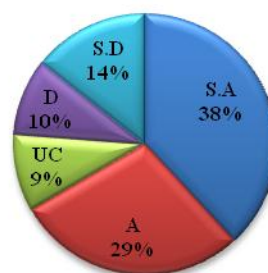
The provision of learning resources on the web was adequate and appropriate. (if relevant)



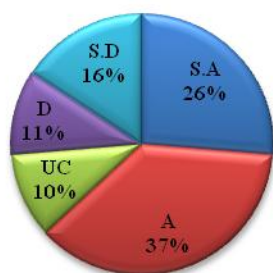
The course stimulated by interest and thought on the subject area.



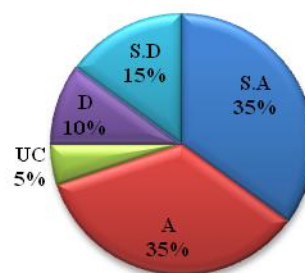
The pace of the course was appropriate



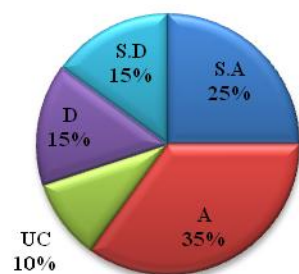
Ideas and concepts were presented clearly



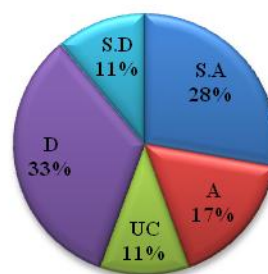
The method of assessment were reasonable



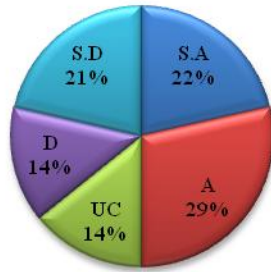
Feedback on assessment was timely



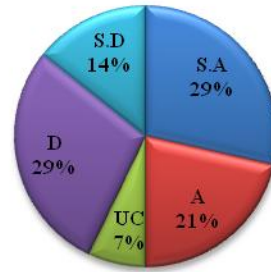
Feedback on assessment was helpful



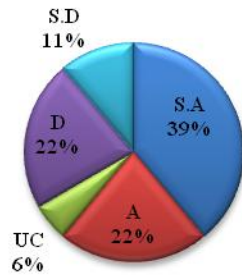
I understood the lectures



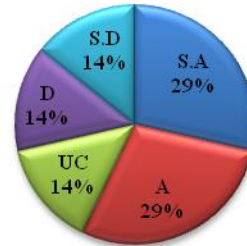
The material was well organized and presented



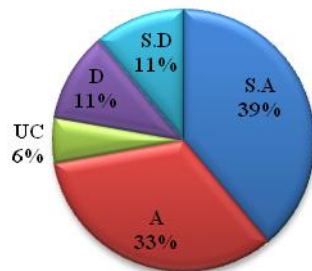
The instructor was responsive to student needs and problems



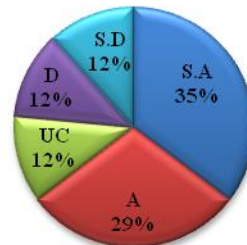
Had the instructor been regular throughout the course?

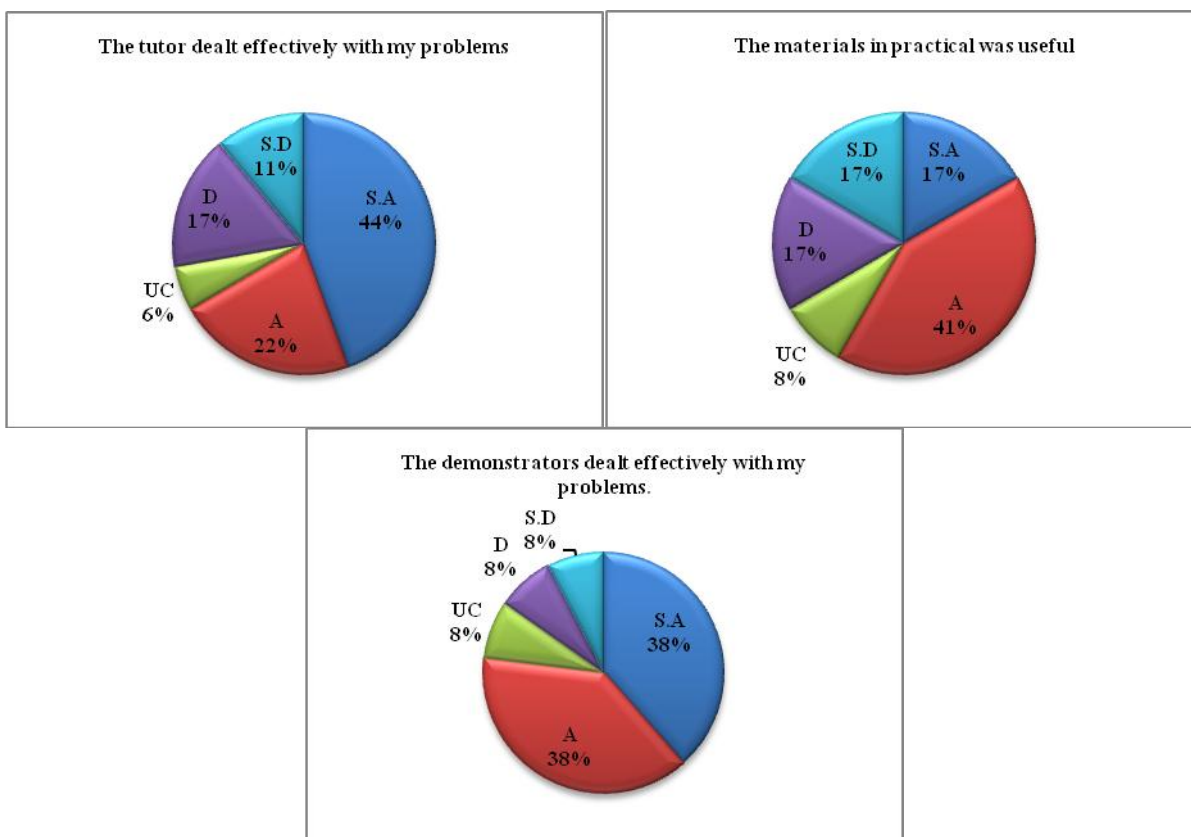


The material in the tutorials was useful



I was happy with the amount of work needed for tutorials





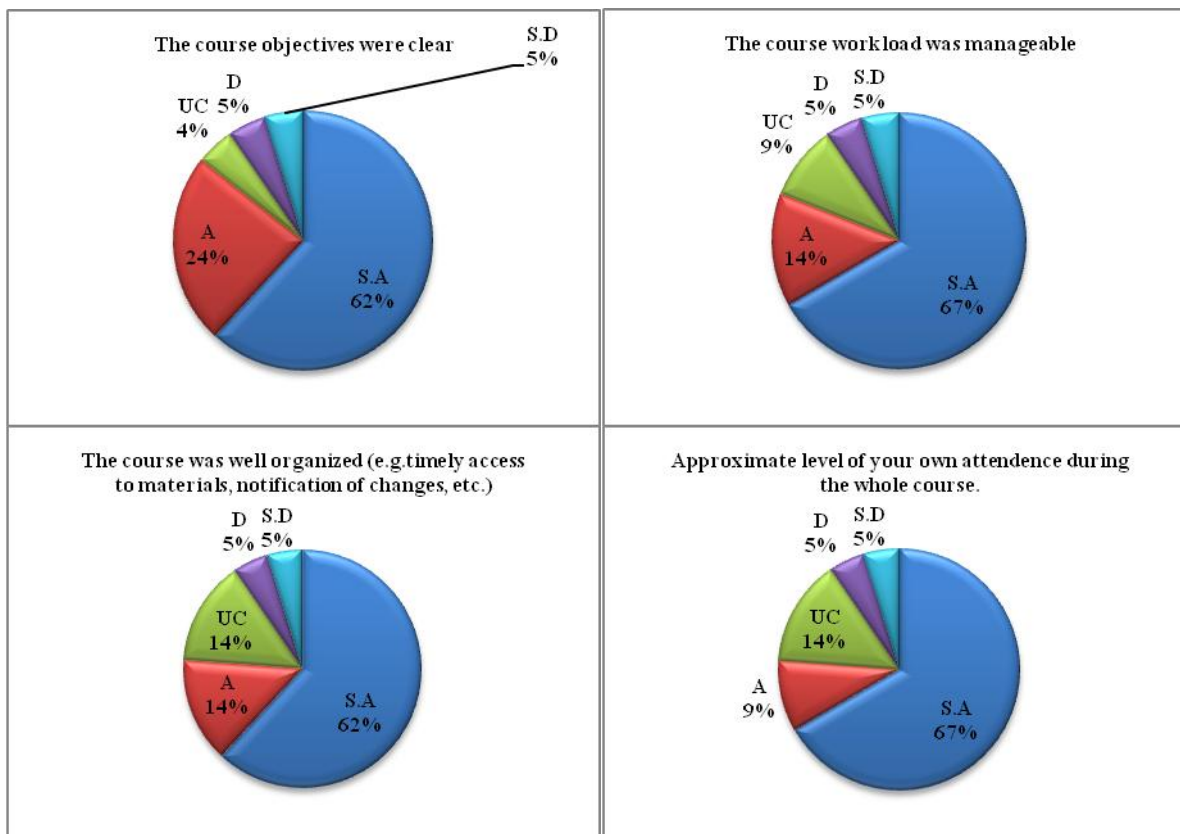
General Comments of the Students about this Course

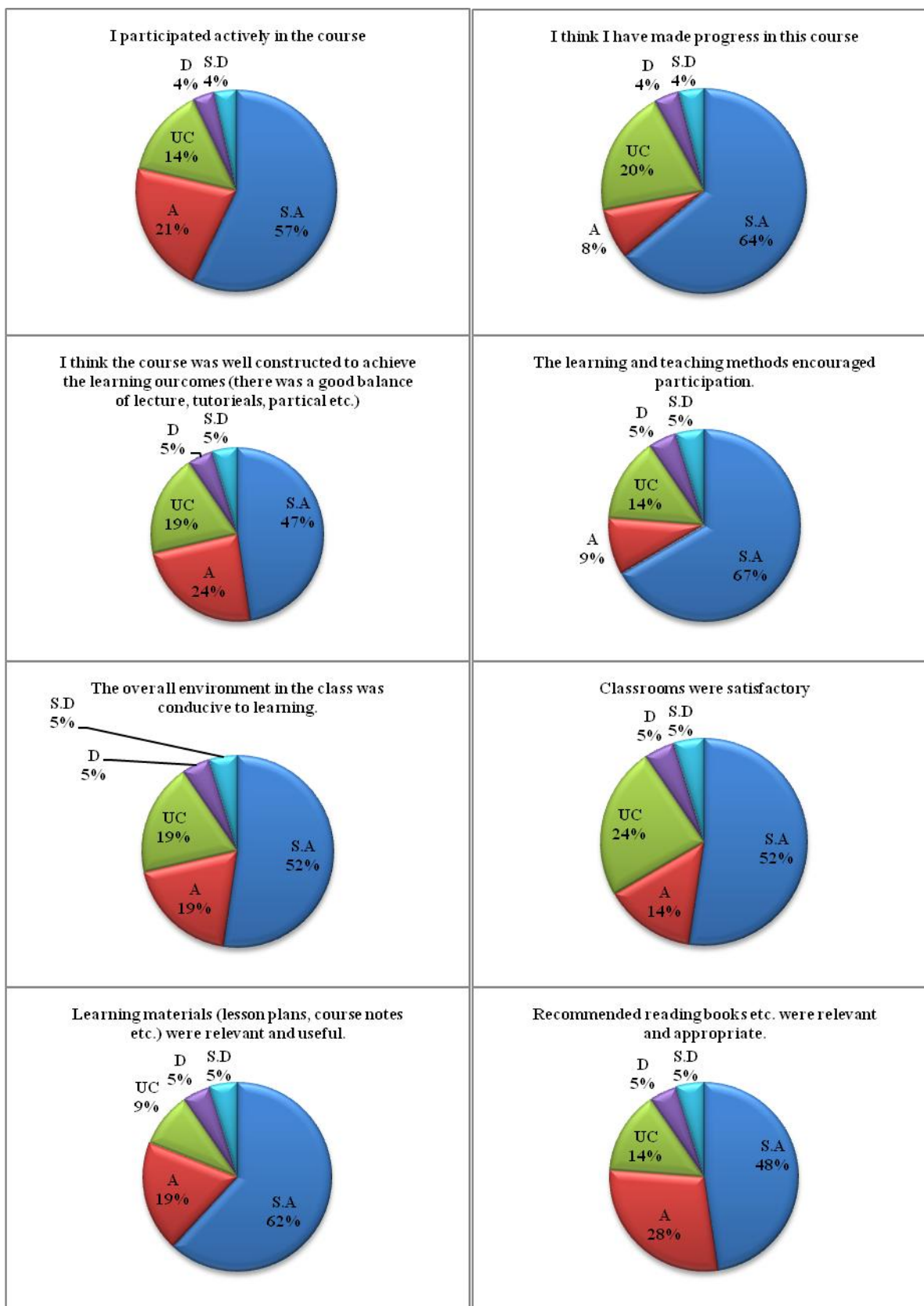
Weaknesses:

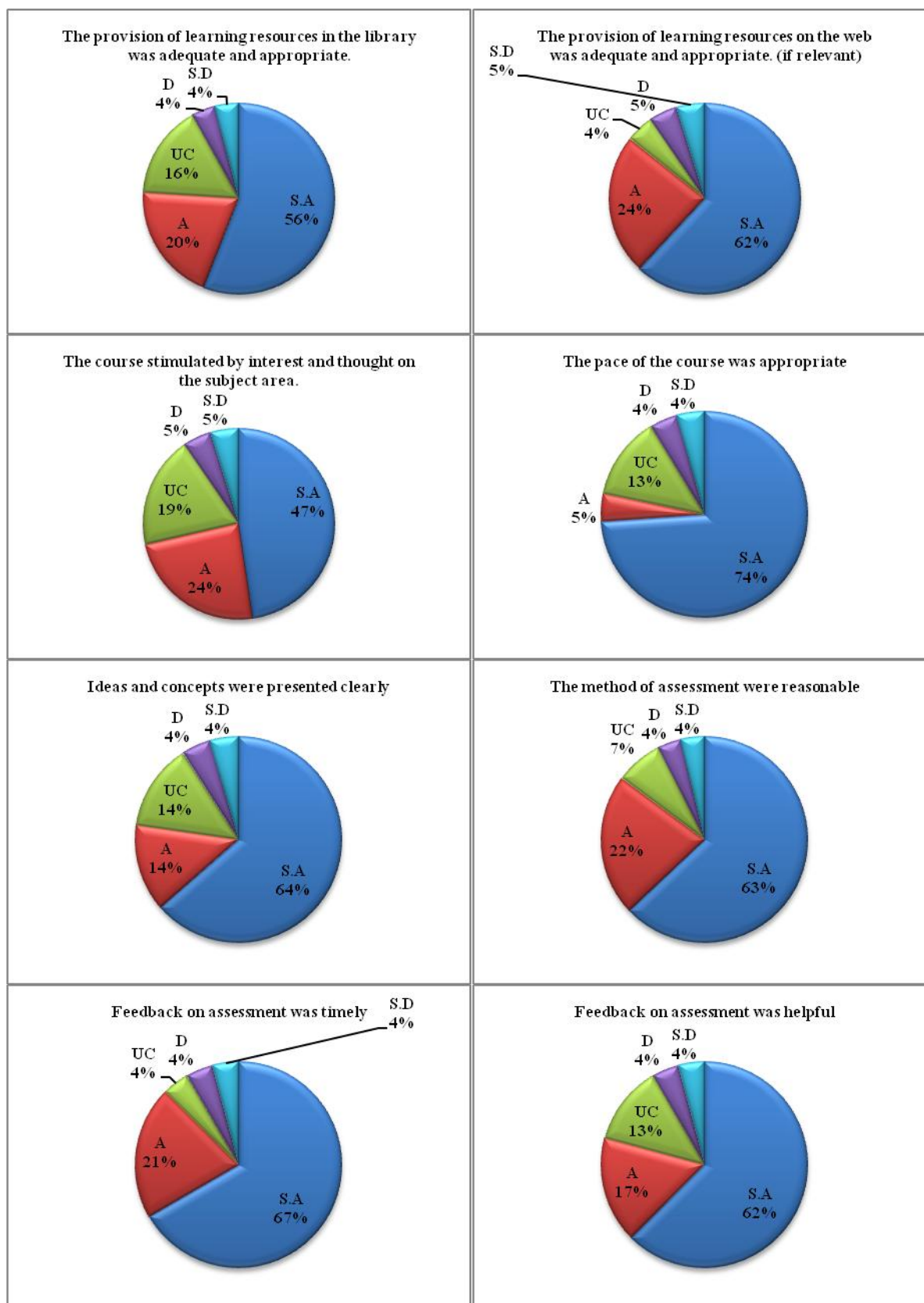
- The course should be upgraded and updated.
- Feedback on assessment was not timely.
- Proper materials were not available for practical demonstration.

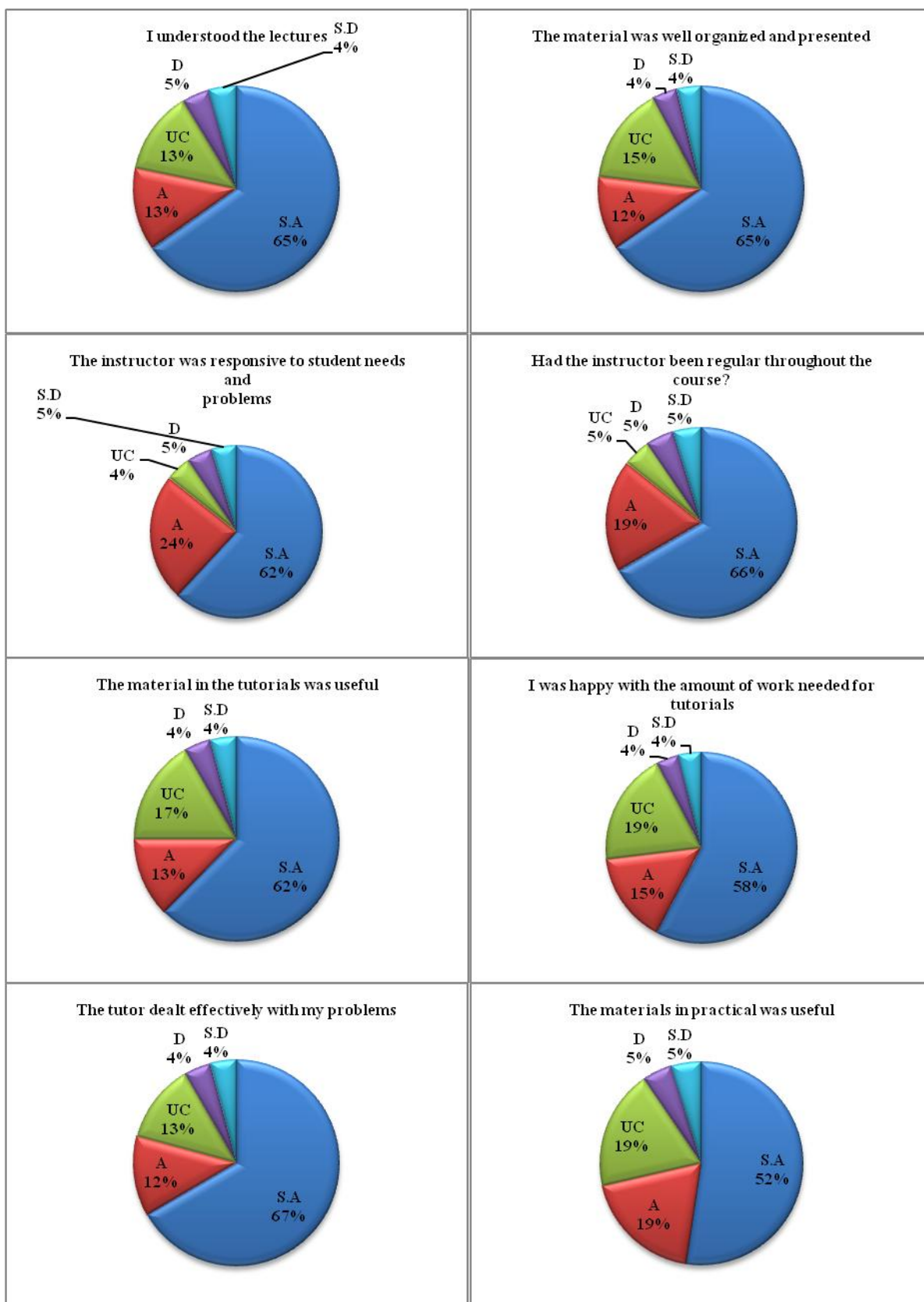
Mr. Sheeraz Akram (CS-701)

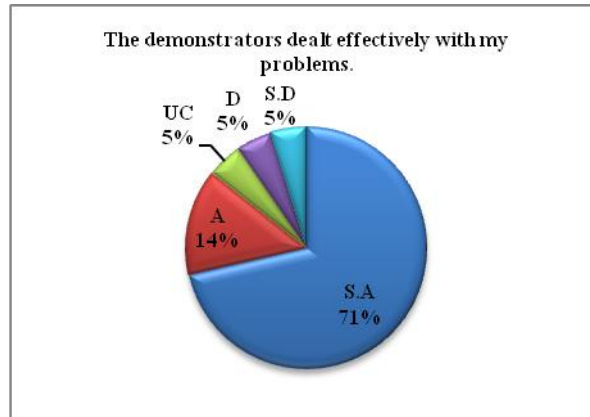
The graph shows the detail of evaluation. The graph for “The course objectives were clear”, shows that 62% are strongly agreed, 24% are agreed, 4% are uncertain, 5% are Disagreed and 5% are strongly disagreed. The graph for “The course workload was manageable”, shows that 67% are strongly agreed, 14% are agreed, 9% are uncertain, 5% are Disagreed and 5% are strongly disagreed. The graph for “Classrooms were satisfactory”, shows that 52% are strongly agreed, 14% are agreed, 24% are uncertain, 5% are Disagreed and 5% are strongly disagreed. The graph for “Feedback on assessment was timely”, shows that 67% are strongly agreed, 21% are agreed, 4% are uncertain, 4% are Disagreed and 4% are strongly disagreed. The graph for “The tutor dealt effectively with my problems”, shows that 67% are strongly agreed, 12% are agreed, 13% are uncertain, 4% are Disagreed and 4% are strongly disagreed. The graph for “The materials in practical was useful”, shows that 52% are strongly agreed, 19% are agreed, 19% are uncertain, 5% are Disagreed and 5% are strongly disagreed. The graph for “Ideas and concepts were presented clearly”, shows that 64% are strongly agreed, 14% are agreed, 14% are uncertain, 4% are Disagreed and 4% are strongly disagreed.









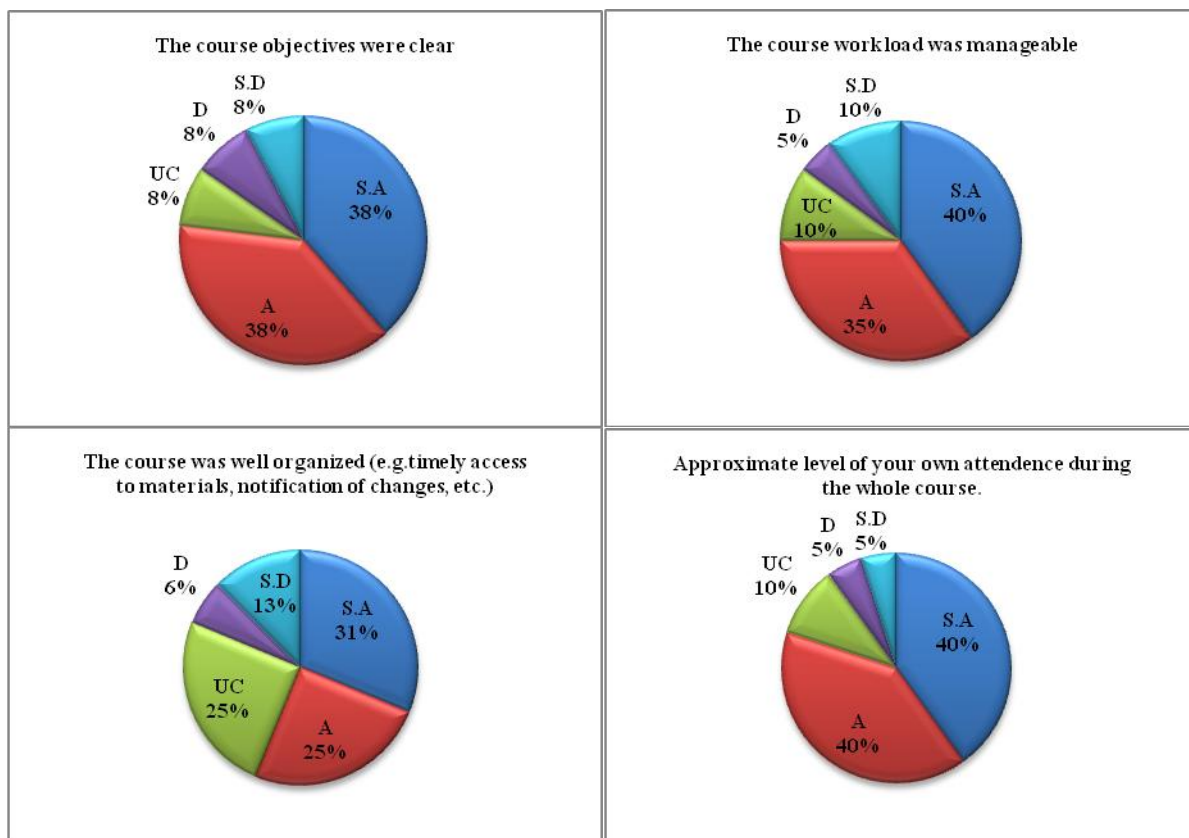


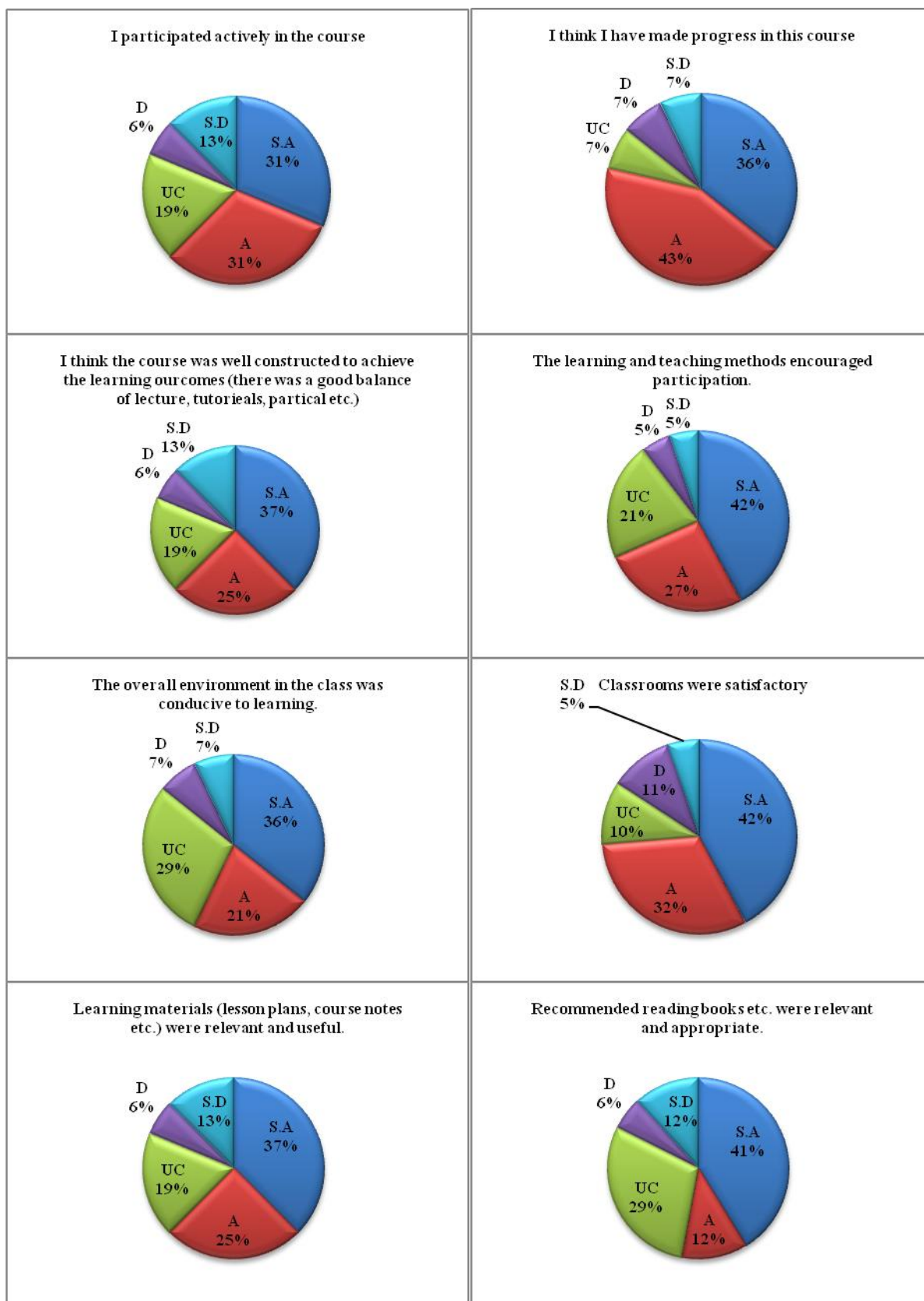
General Comments of the Students about this Course Strengths

- The course was informative and interesting.
- The course was relevant to the field.

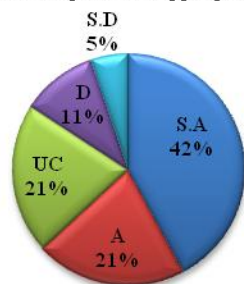
Mr. Muhammad Shabbir Hassan (CS- 745)

The graph shows that 38% of the students strongly agreed that course objectives are clear. The 38% agreed with the notion. Only 8% do not agree and 8% strongly disagreed. The course load was manageable as 40% of the students strongly agreed and 35% of the students agreed. 5% of the students do not agree and 10% strongly disagreed. The course material was well organized this is strongly agreed by 31% of the students and 25% of the students agreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 40% of the students and 40% strongly agreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 31% of the students and strongly agreed by 31% of the students. Around 13% of the students strongly disagreed with the concept.

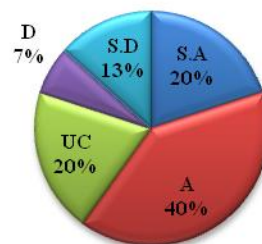




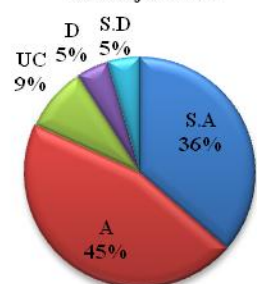
The provision of learning resources in the library was adequate and appropriate.



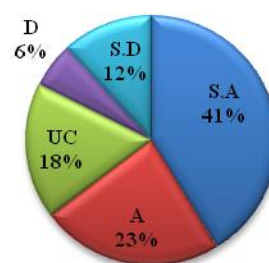
The provision of learning resources on the web was adequate and appropriate. (if relevant)



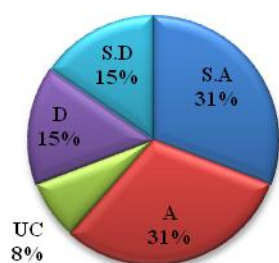
The course stimulated by interest and thought on the subject area.



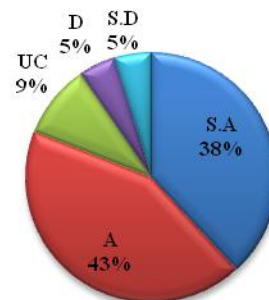
The pace of the course was appropriate



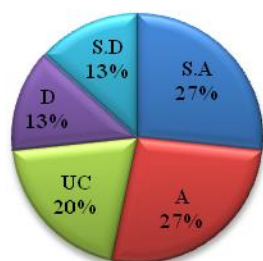
Ideas and concepts were presented clearly



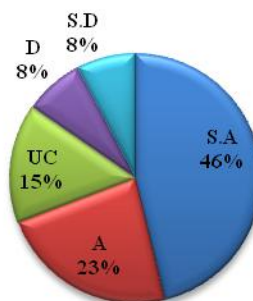
The method of assessment were reasonable

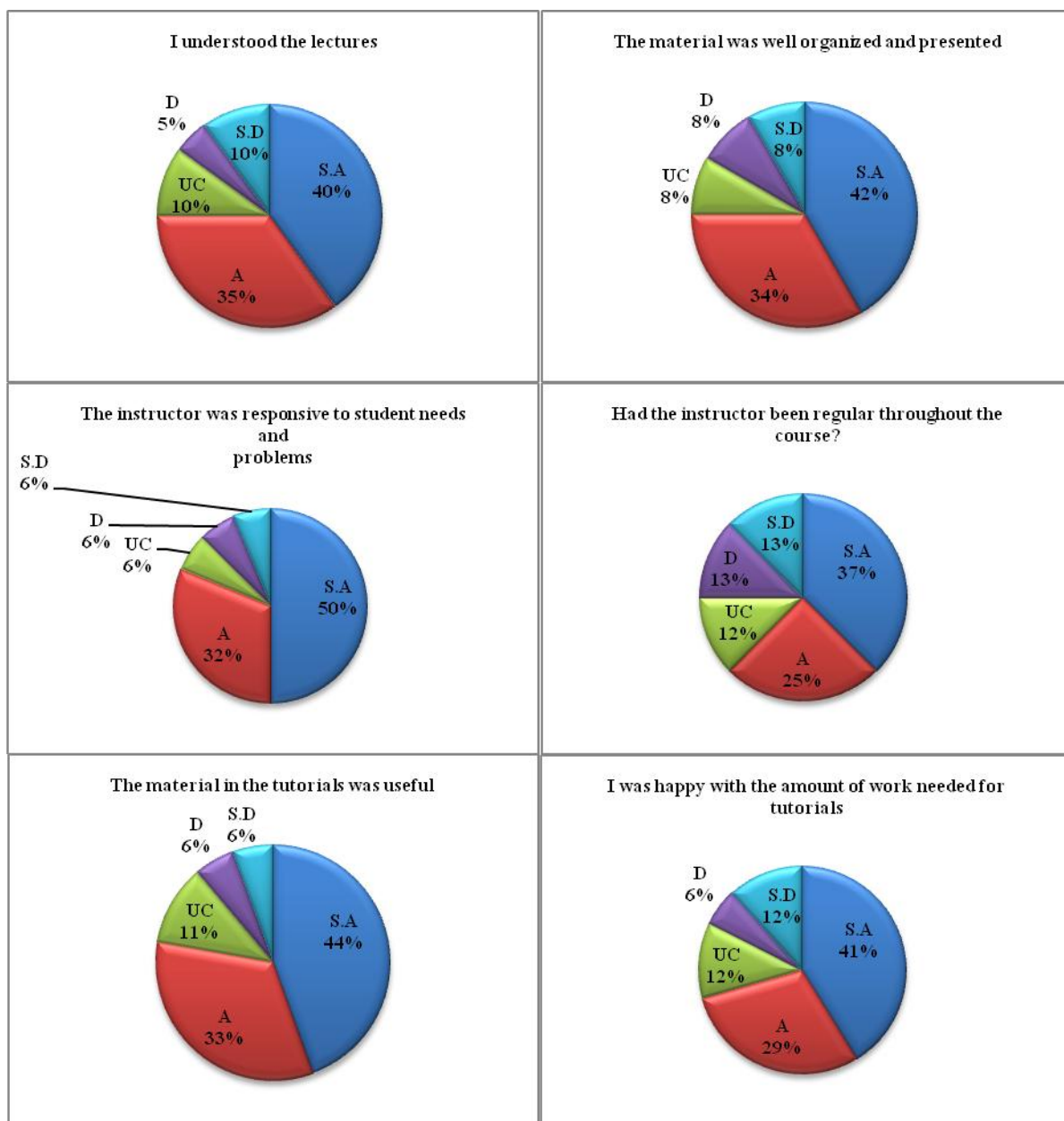


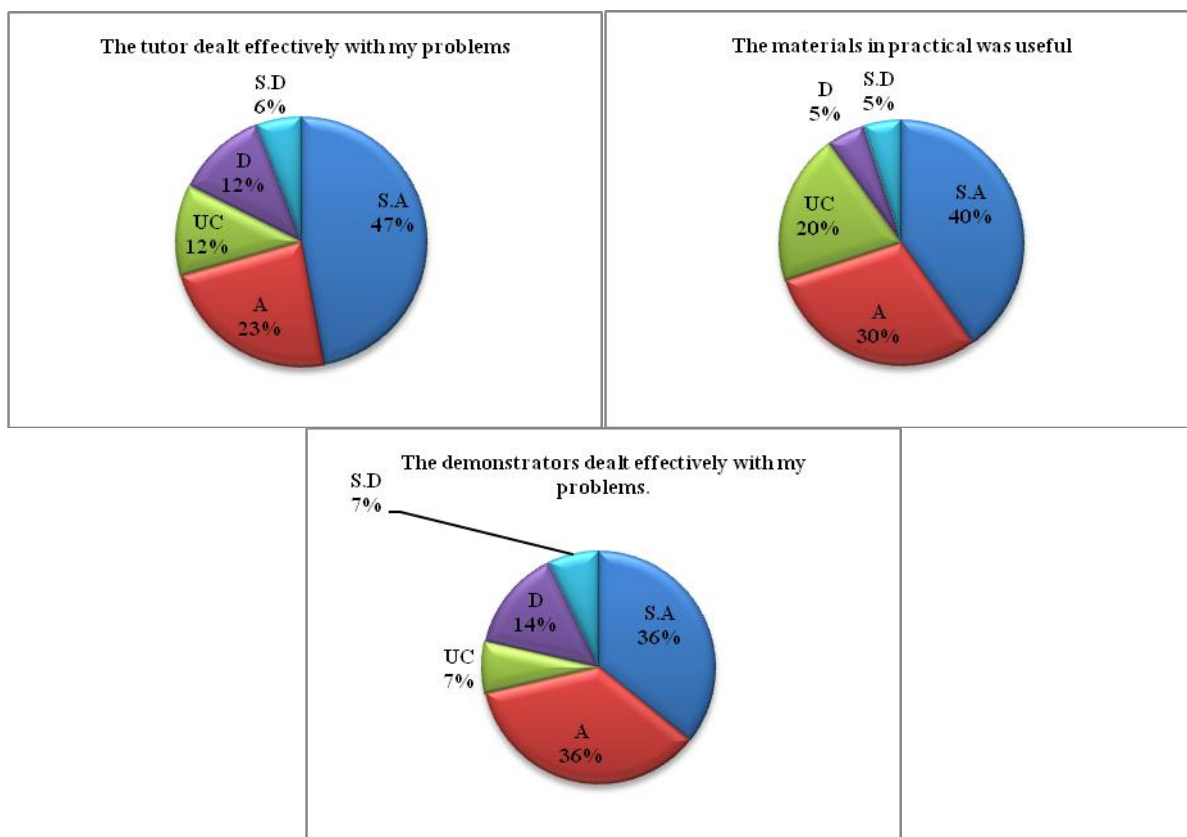
Feedback on assessment was timely



Feedback on assessment was helpful







General Comments of Students about this course:

Strengths :

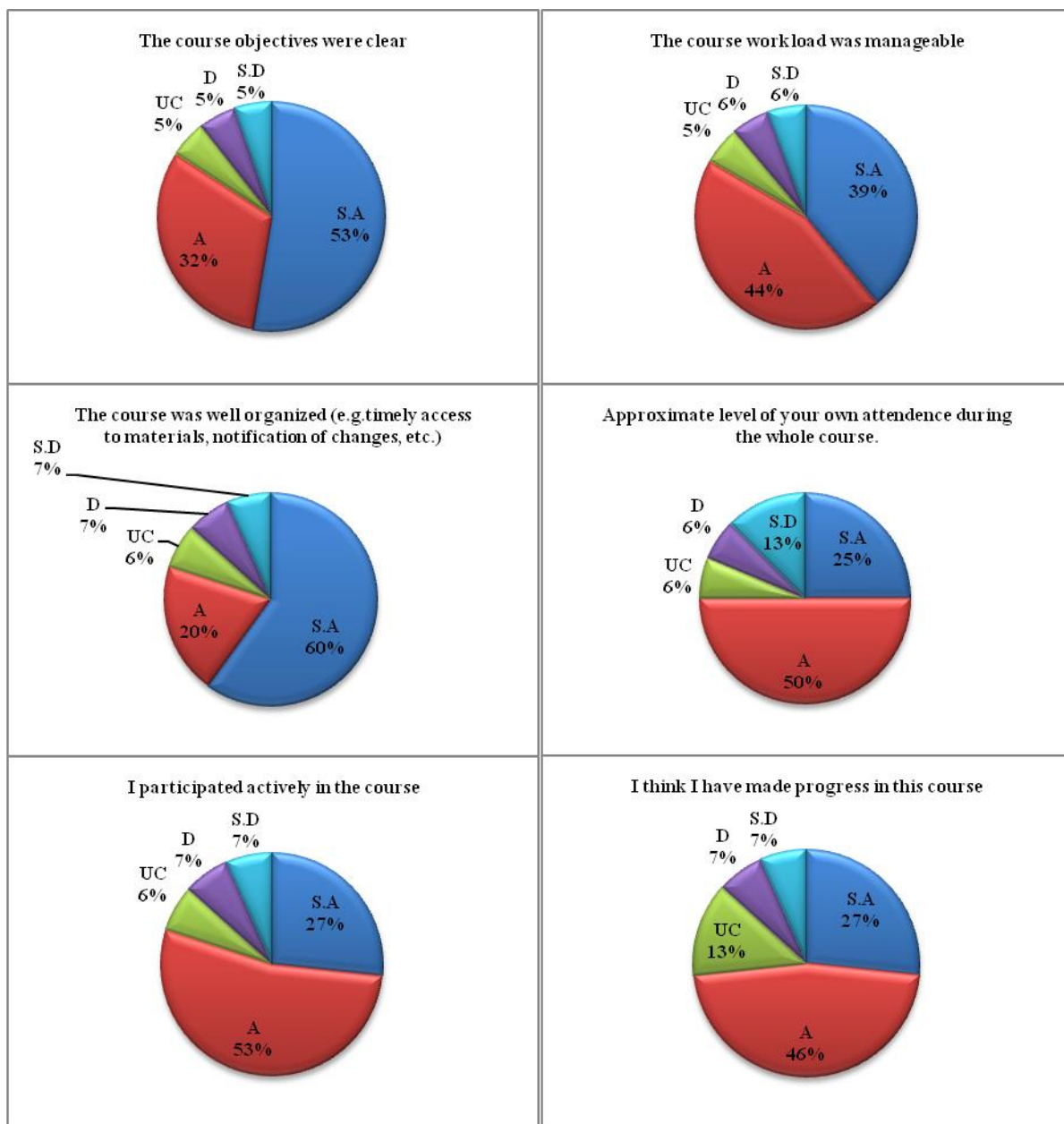
- Well organized
- Good teaching method

Weaknesses:

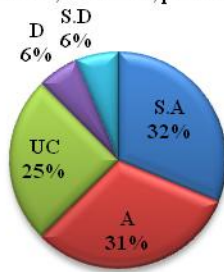
- Tutorials should be added
- More practical work

Mr. Nasir Mehmood (CS-772)

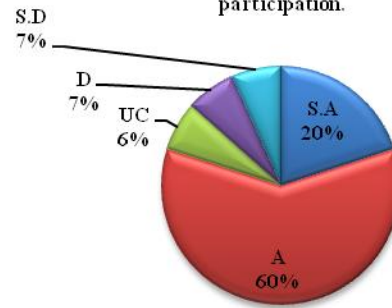
The graph shows that 53% of the students strongly agreed that course objectives are clear. The 32% agreed with the notion. Only 5% do not agree and 5% strongly disagreed. The course load was manageable as 39% of the students strongly agreed and 44% of the students agreed. 6% of the students do not agree and 6% strongly disagreed. The course material was well organized this is strongly agreed by 60% of the students and 20% of the students agreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 50% of the students and 25% strongly agreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 60% of the students and strongly agreed by 20% of the students. Around 14% of the students do not agree with the concept.



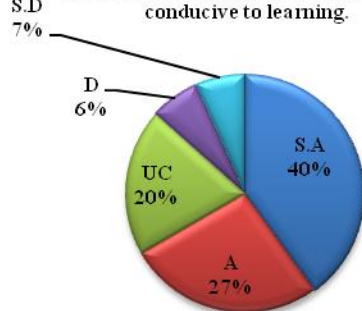
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



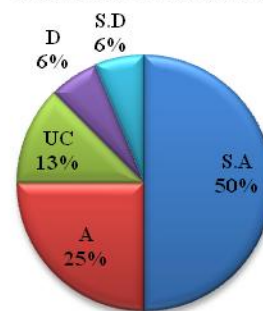
The learning and teaching methods encouraged participation.



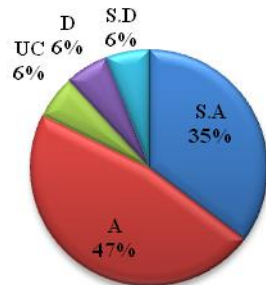
The overall environment in the class was conducive to learning.



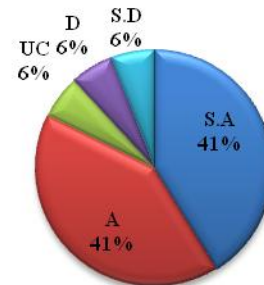
Classrooms were satisfactory



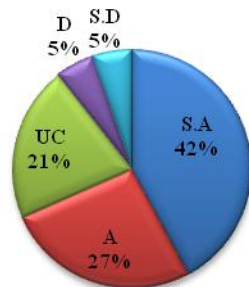
Learning materials (lesson plans, course notes etc.) were relevant and useful.



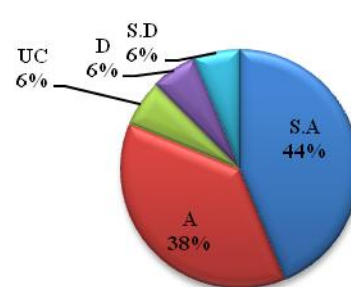
Recommended reading books etc. were relevant and appropriate.



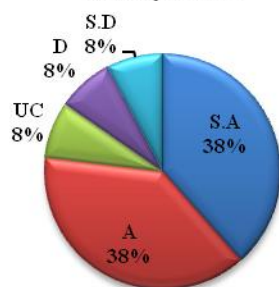
The provision of learning resources in the library was adequate and appropriate.



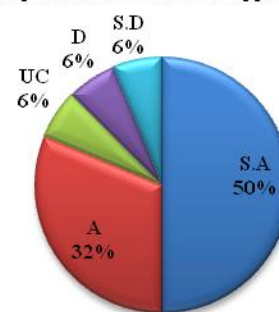
The provision of learning resources on the web was adequate and appropriate. (if relevant)



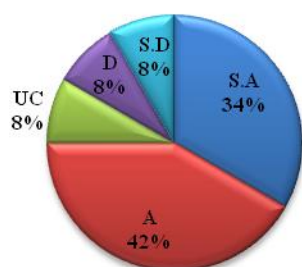
The course stimulated by interest and thought on the subject area.



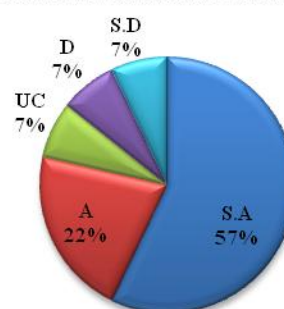
The pace of the course was appropriate



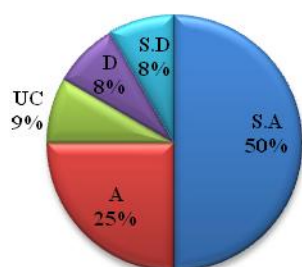
Ideas and concepts were presented clearly



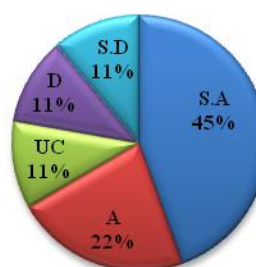
The method of assessment were reasonable



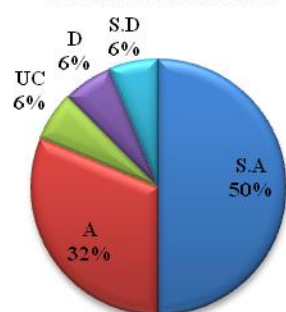
Feedback on assessment was timely



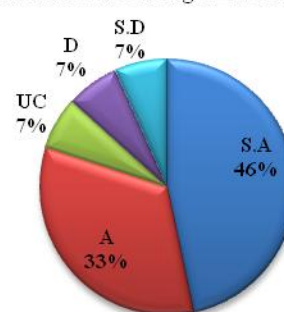
Feedback on assessment was helpful

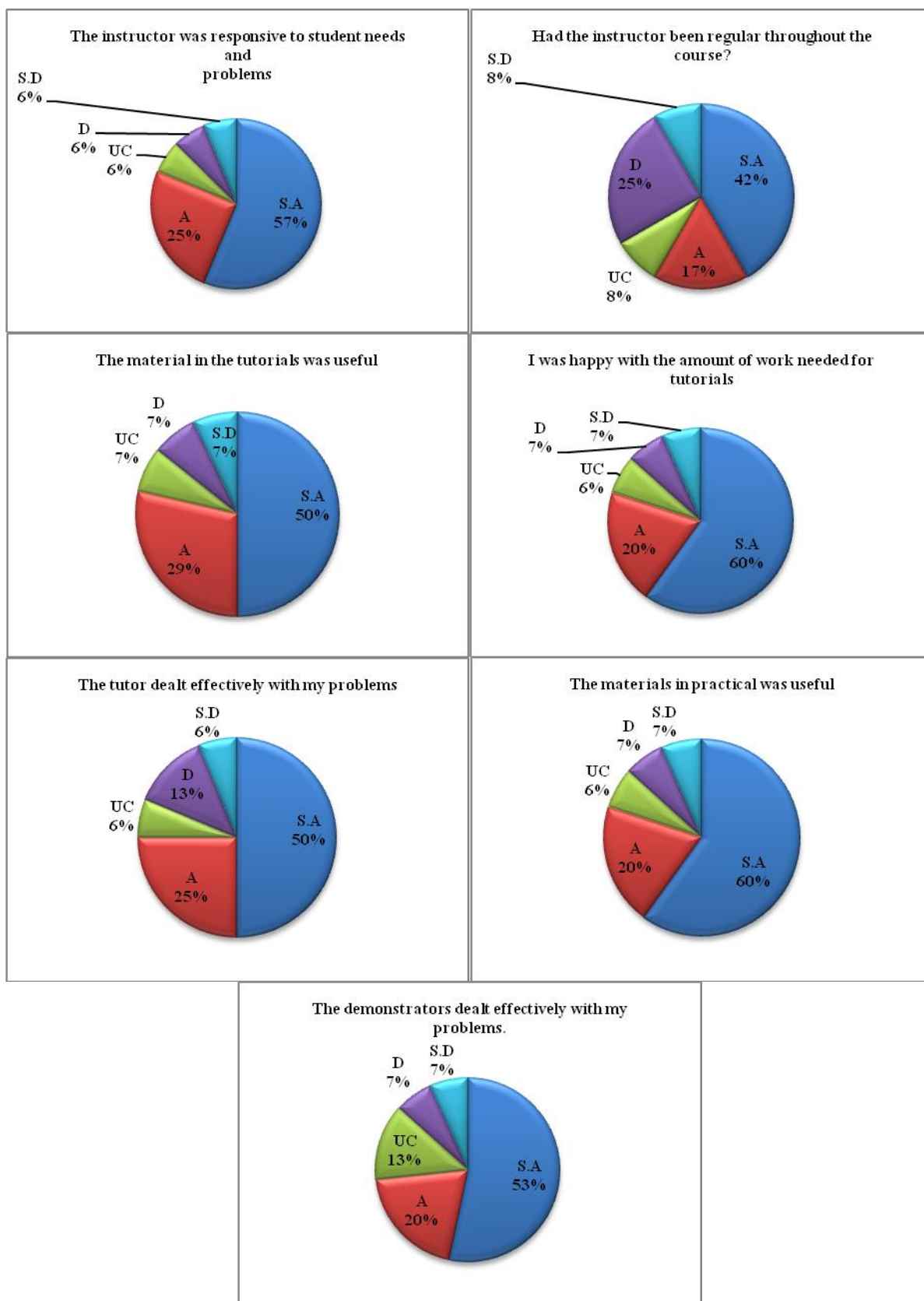


I understood the lectures



The material was well organized and presented





Strengths:

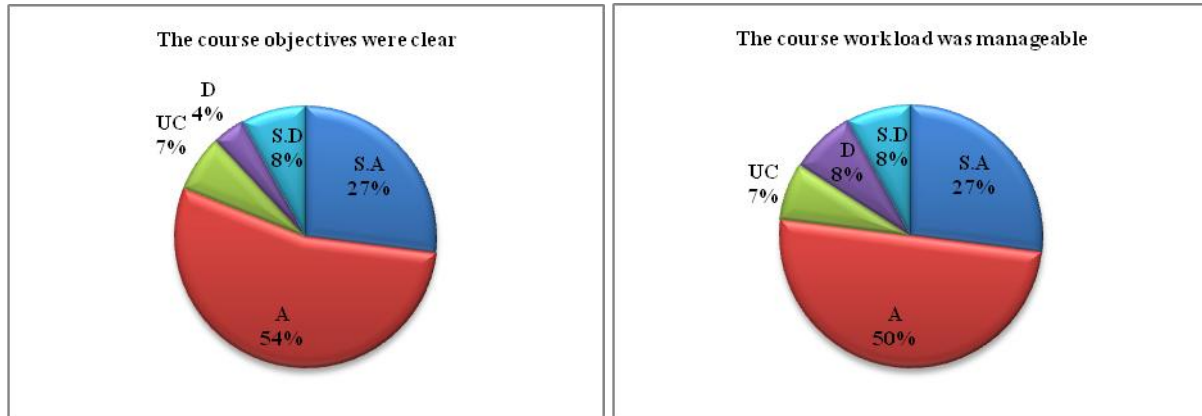
- Reasonable method of assessment
- Material in tutorials was useful
- Learning outcomes achieved

Weakness:

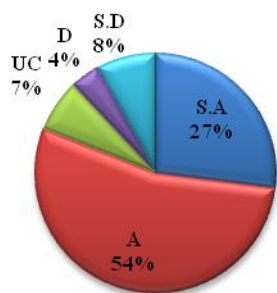
- Should explain the problem more

Mr. Shehzad Saqib (CS-727)

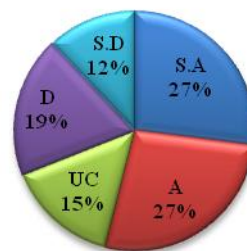
The graph shows that 27% of the students strongly agreed that course objectives are clear. The 54% of the students agreed. The 7% agreed with the notion. Only 4% do not agree and 8% strongly disagreed. The course load was manageable as 27% of the students strongly agreed and 50% of the students agreed. The 7% agreed with the notion. 8% of the students do not agree and 8% strongly disagreed. The course material was well organized this is strongly agreed by 19% of the students and 54% of the students agreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 27% of the students and 27% strongly agreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 50% of the students and strongly agreed by 31% of the students. Around 8% of the students strongly disagreed with the concept.



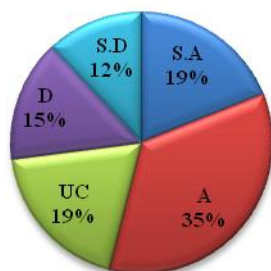
The course was well organized (e.g. timely access to materials, notification of changes, etc.)



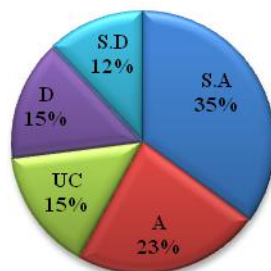
Approximate level of your own attendance during the whole course.



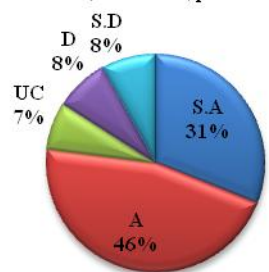
I participated actively in the course



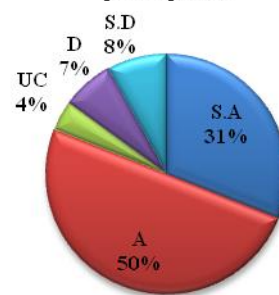
I think I have made progress in this course



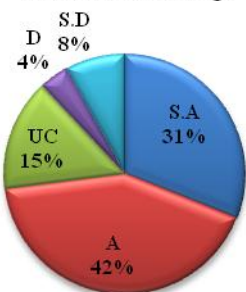
I think the course was well constructed to achieve the learning outcomes (there was a good balance of lecture, tutorials, practical etc.)



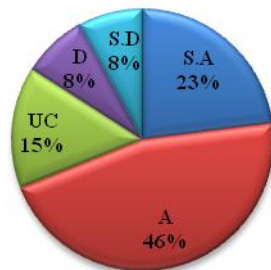
The learning and teaching methods encouraged participation.

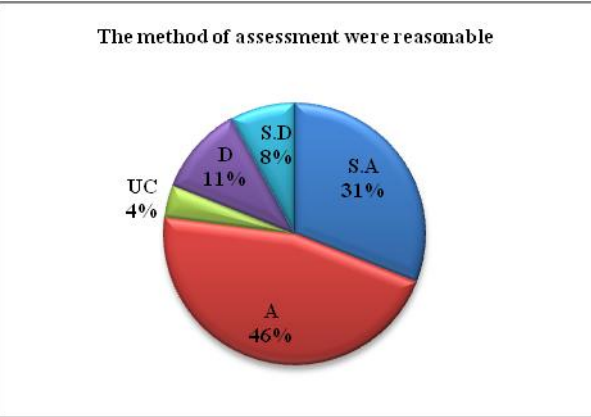
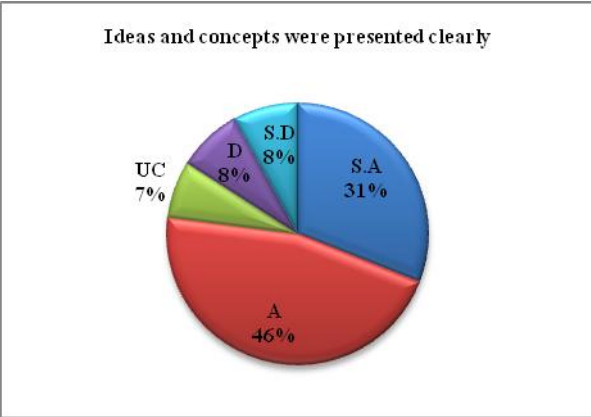
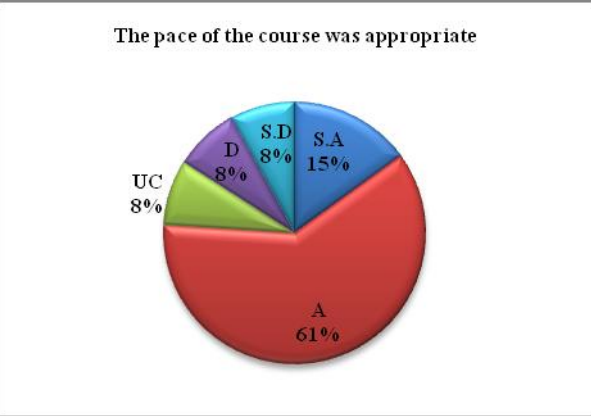
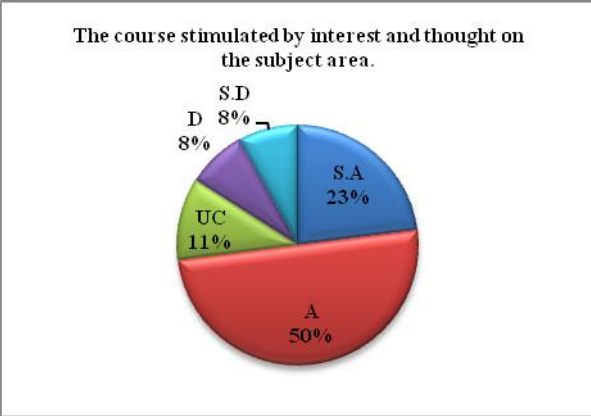
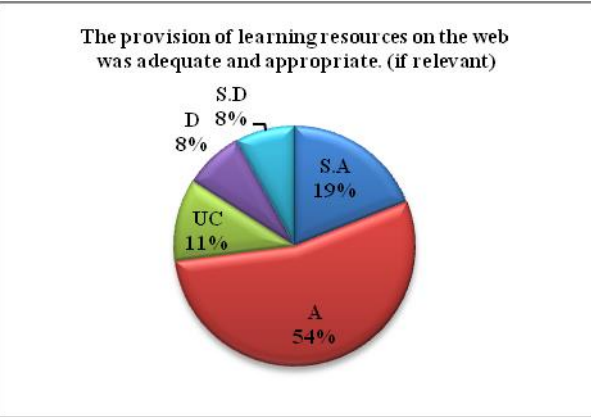
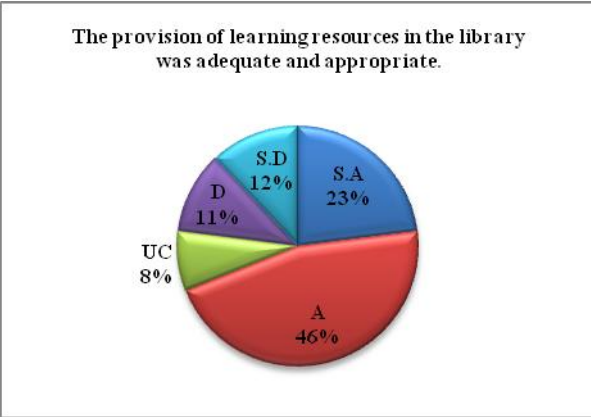
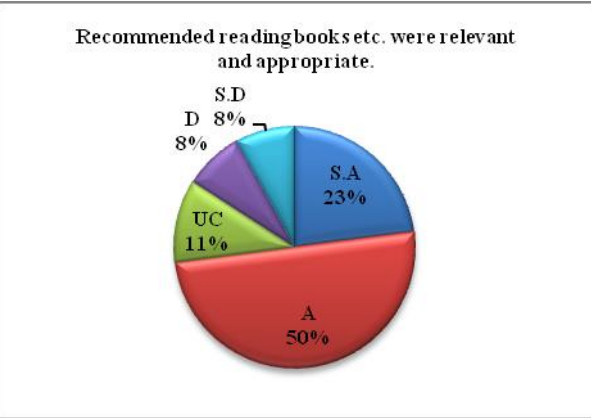
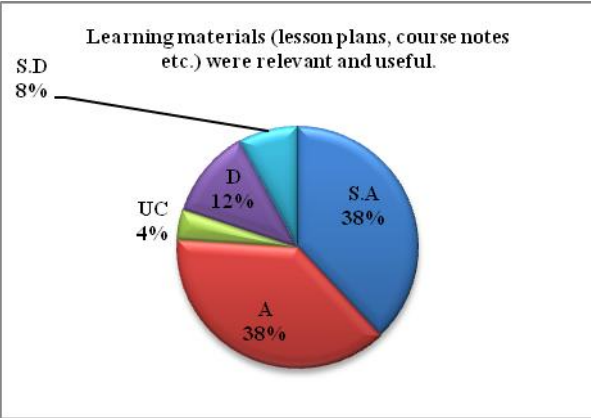


The overall environment in the class was conducive to learning.

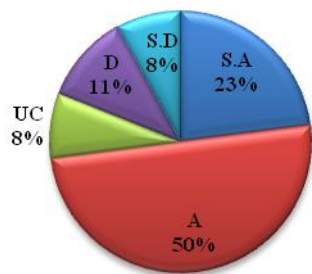


Classrooms were satisfactory

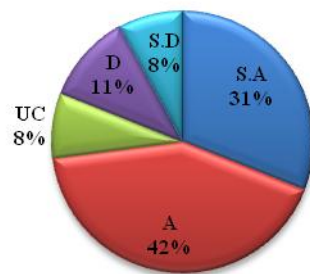




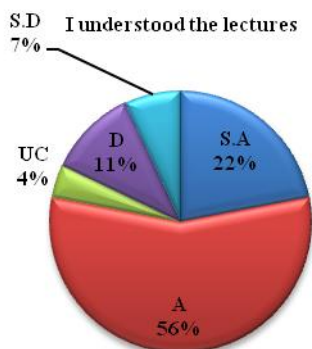
Feedback on assessment was timely



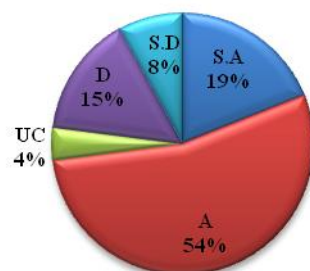
Feedback on assessment was helpful



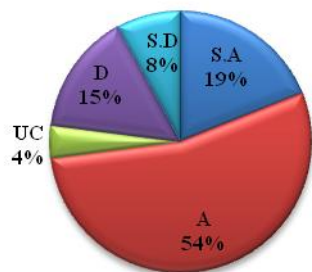
I understood the lectures



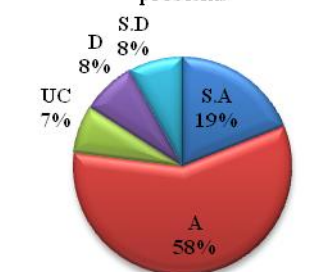
The material was well organized and presented



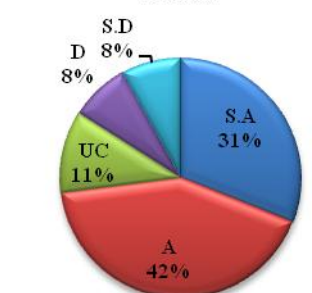
The material was well organized and presented



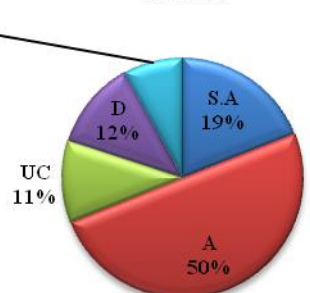
The instructor was responsive to student needs and problems

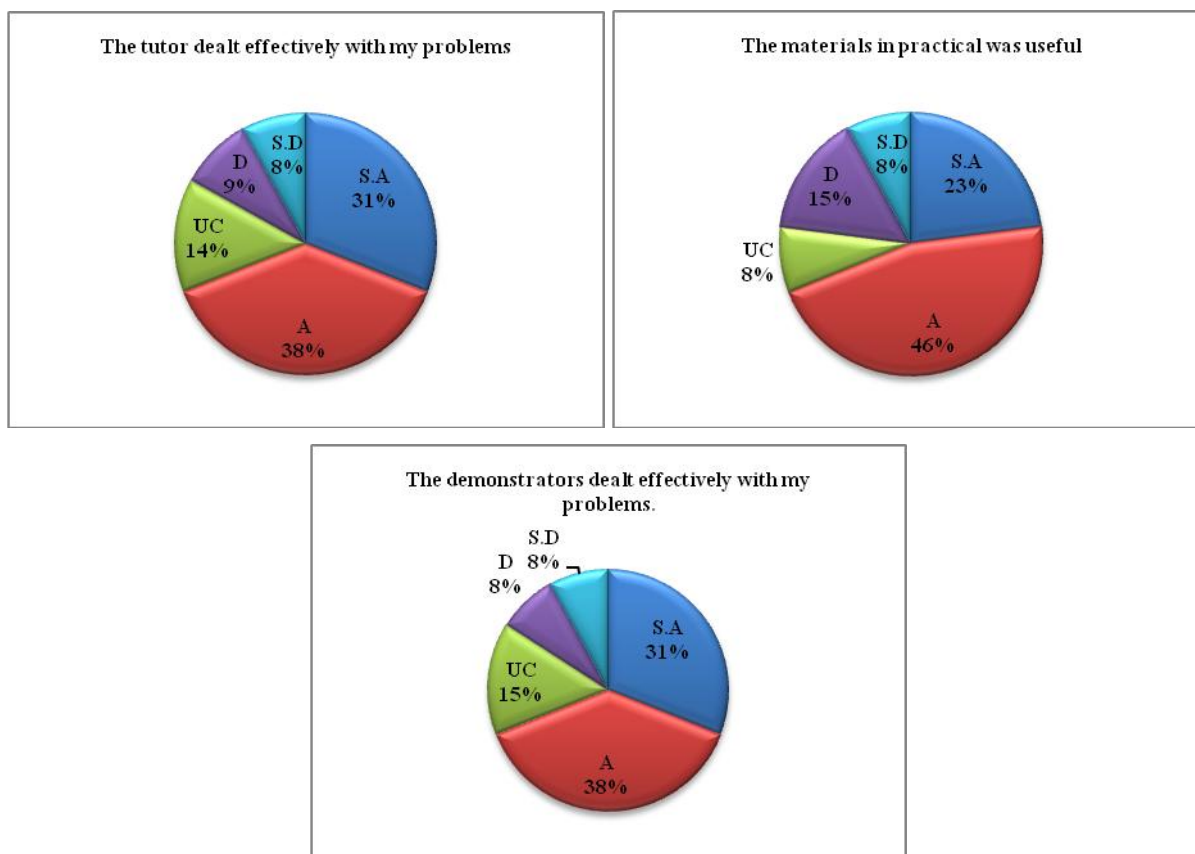


Had the instructor been regular throughout the course?



I was happy with the amount of work needed for tutorials





General Comments of Students about this course:

Strengths :

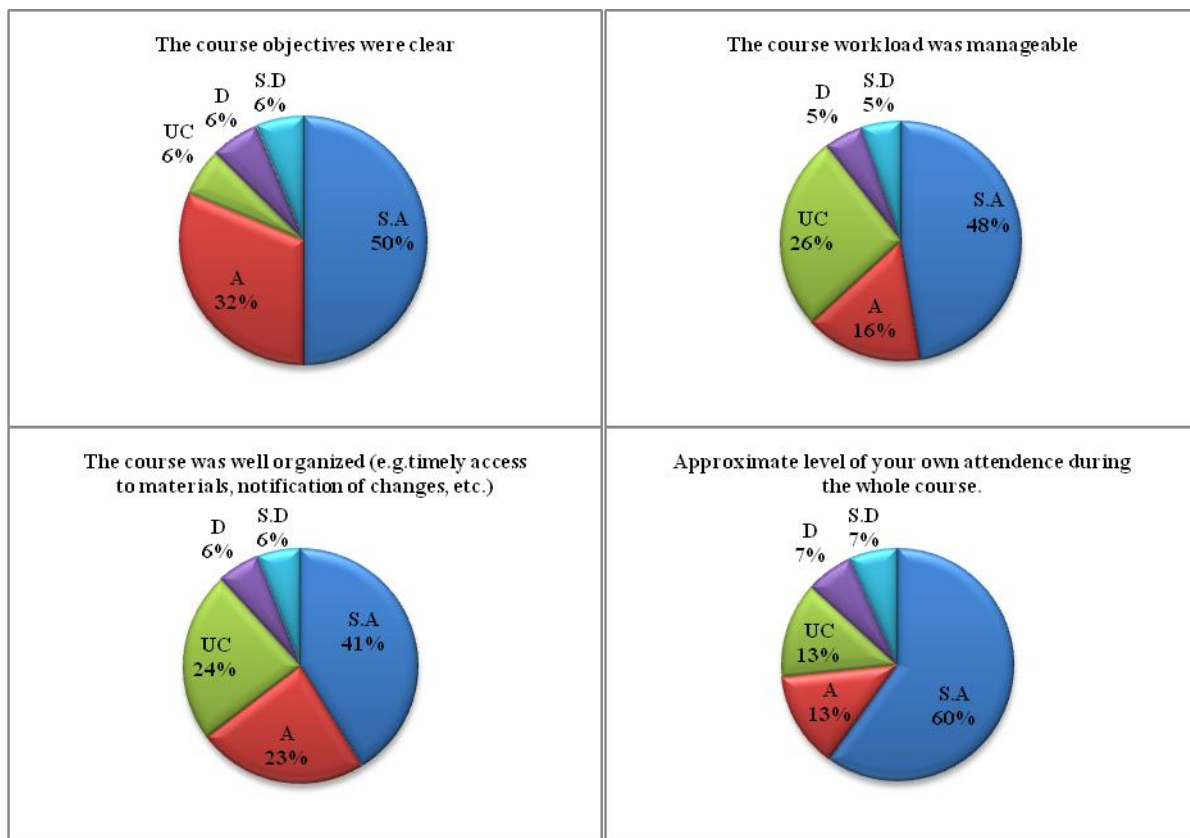
- Concepts are well explained.
- Reasonable work load
- Good pace

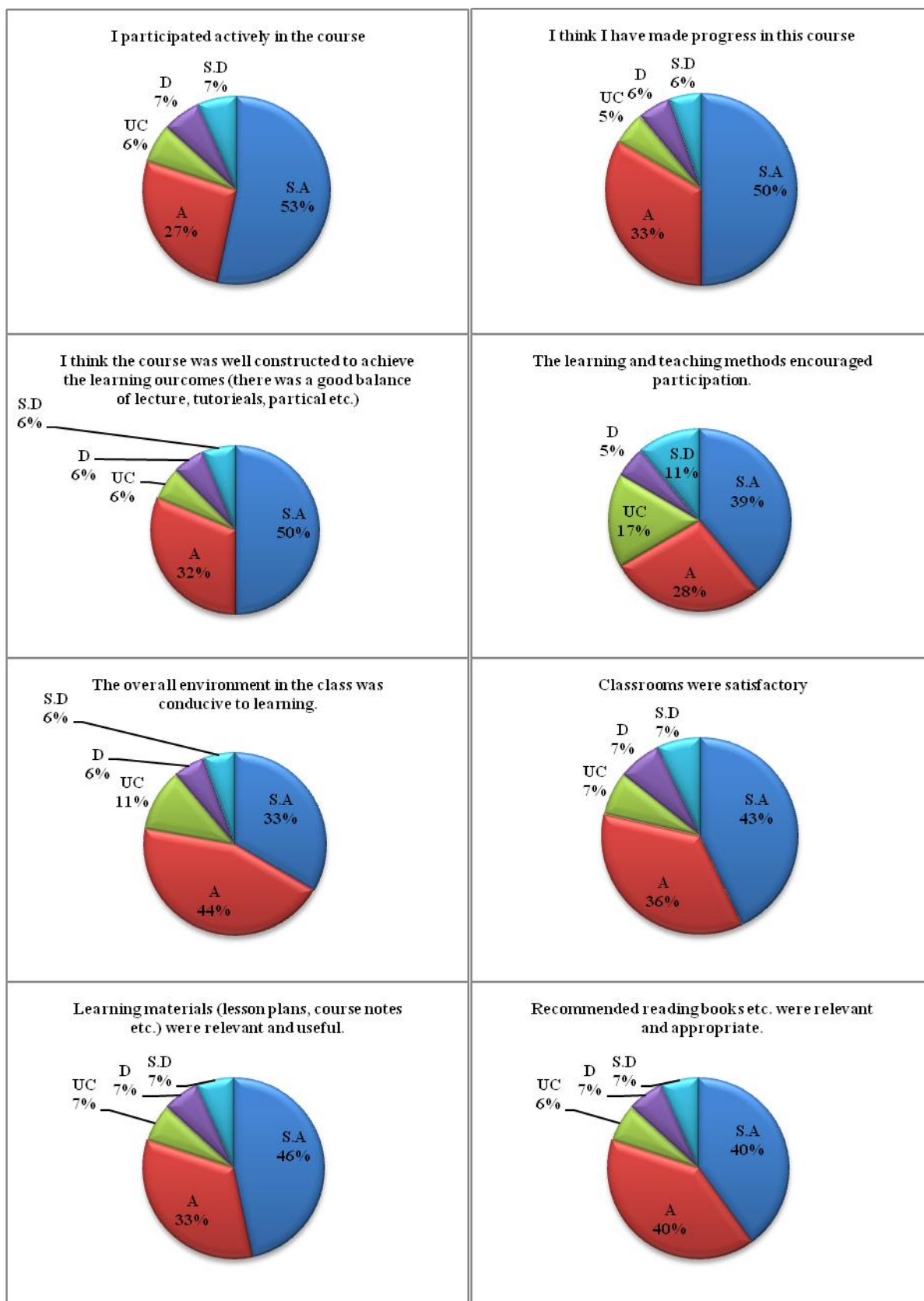
Weaknesses:

- Assessment feedback should be given on time.

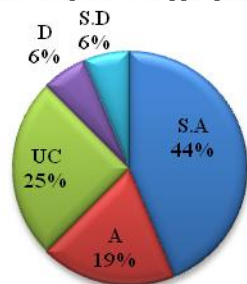
Mr. Sheeraz Akram (CS- 729)

The graph shows that 50% of the students strongly agreed that course objectives are clear. The 32% agreed with the notion. Only 6% do not agree and 6% strongly disagreed. The course load was manageable as 48% of the students strongly agreed and 16% of the students agreed. 5% of the students do not agree and 5% strongly disagreed. The course material was well organized this is strongly agreed by 41% of the students and 23% of the students agreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 60% of the students and 13% strongly agreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 28% of the students and strongly agreed by 39% of the students. Around 11% of the students strongly disagreed with the concept.

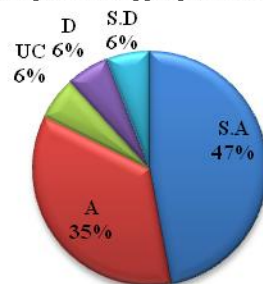




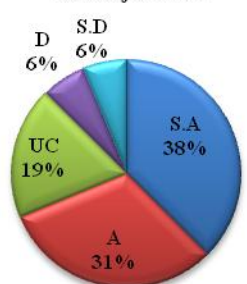
The provision of learning resources in the library was adequate and appropriate.



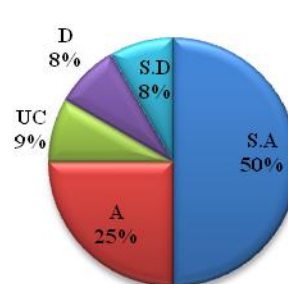
The provision of learning resources on the web was adequate and appropriate. (if relevant)



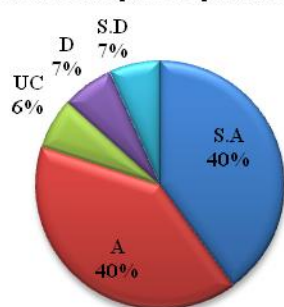
The course stimulated by interest and thought on the subject area.



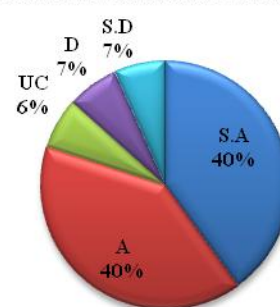
The pace of the course was appropriate



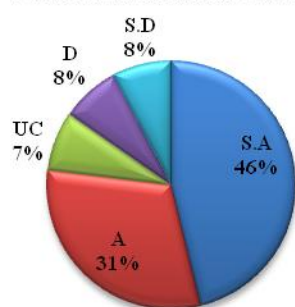
Ideas and concepts were presented clearly



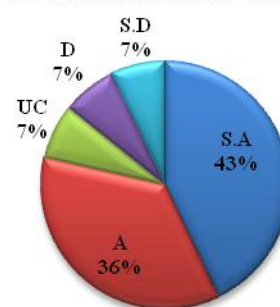
The method of assessment were reasonable

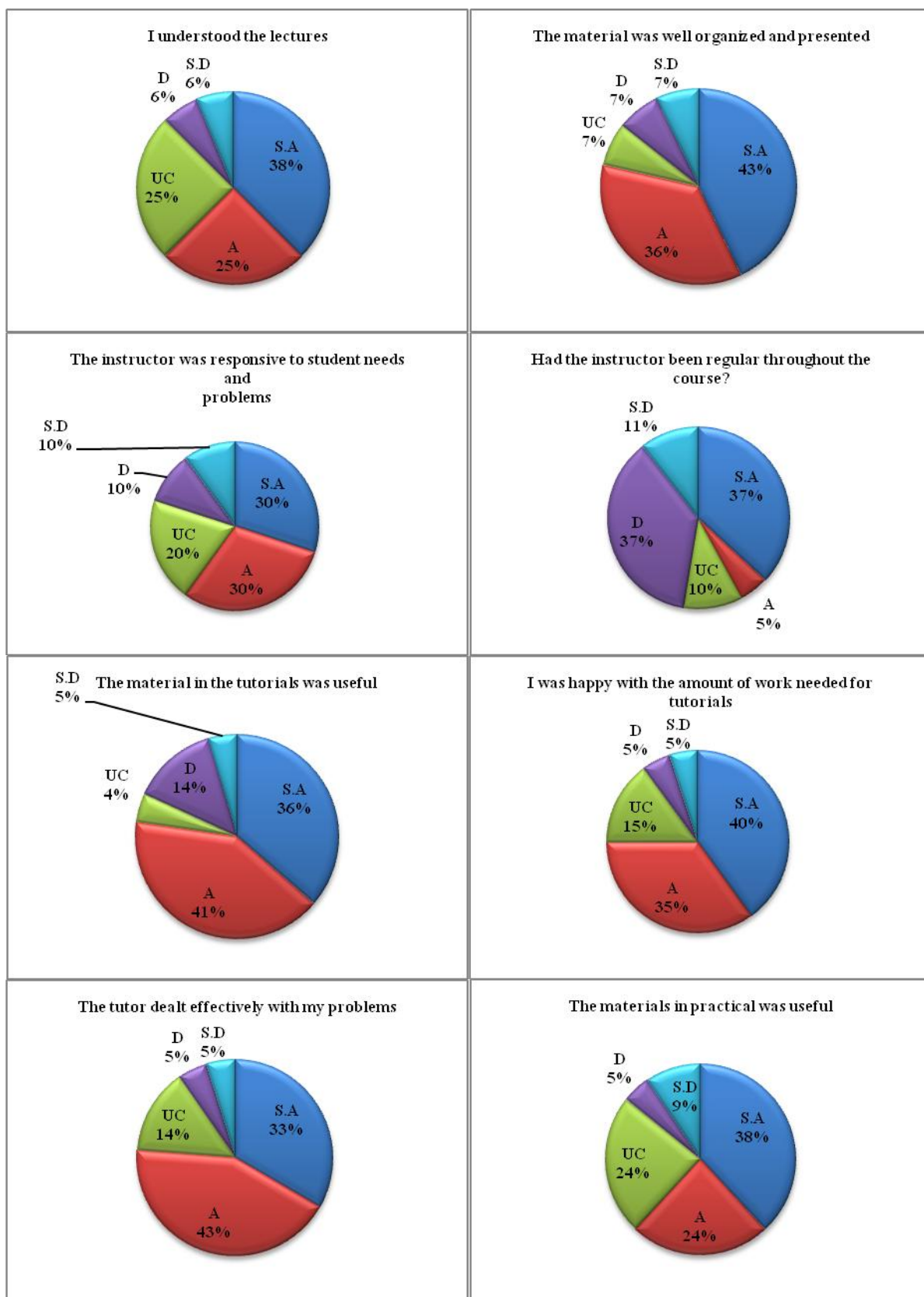


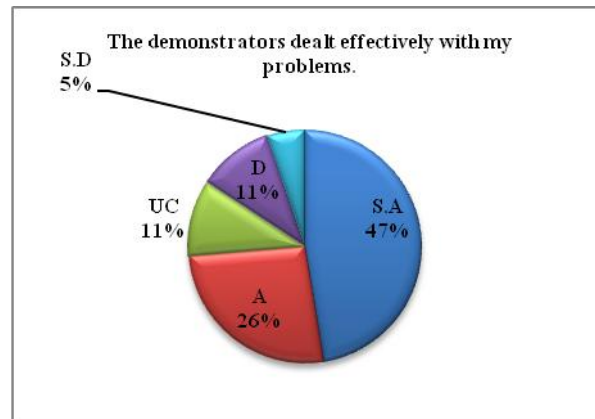
Feedback on assessment was timely



Feedback on assessment was helpful







General Comments of Students about this course:

Strengths :

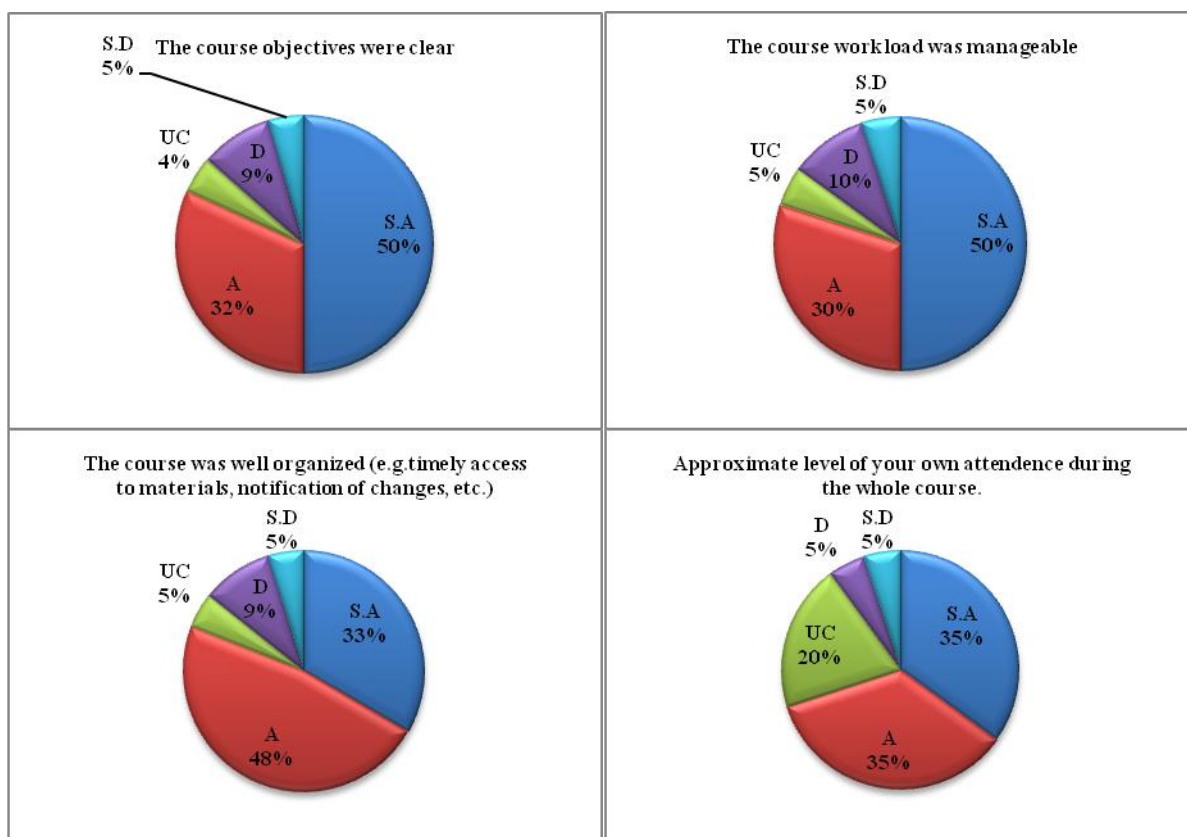
- Objectives well clear
- Good teaching method
- More practical work

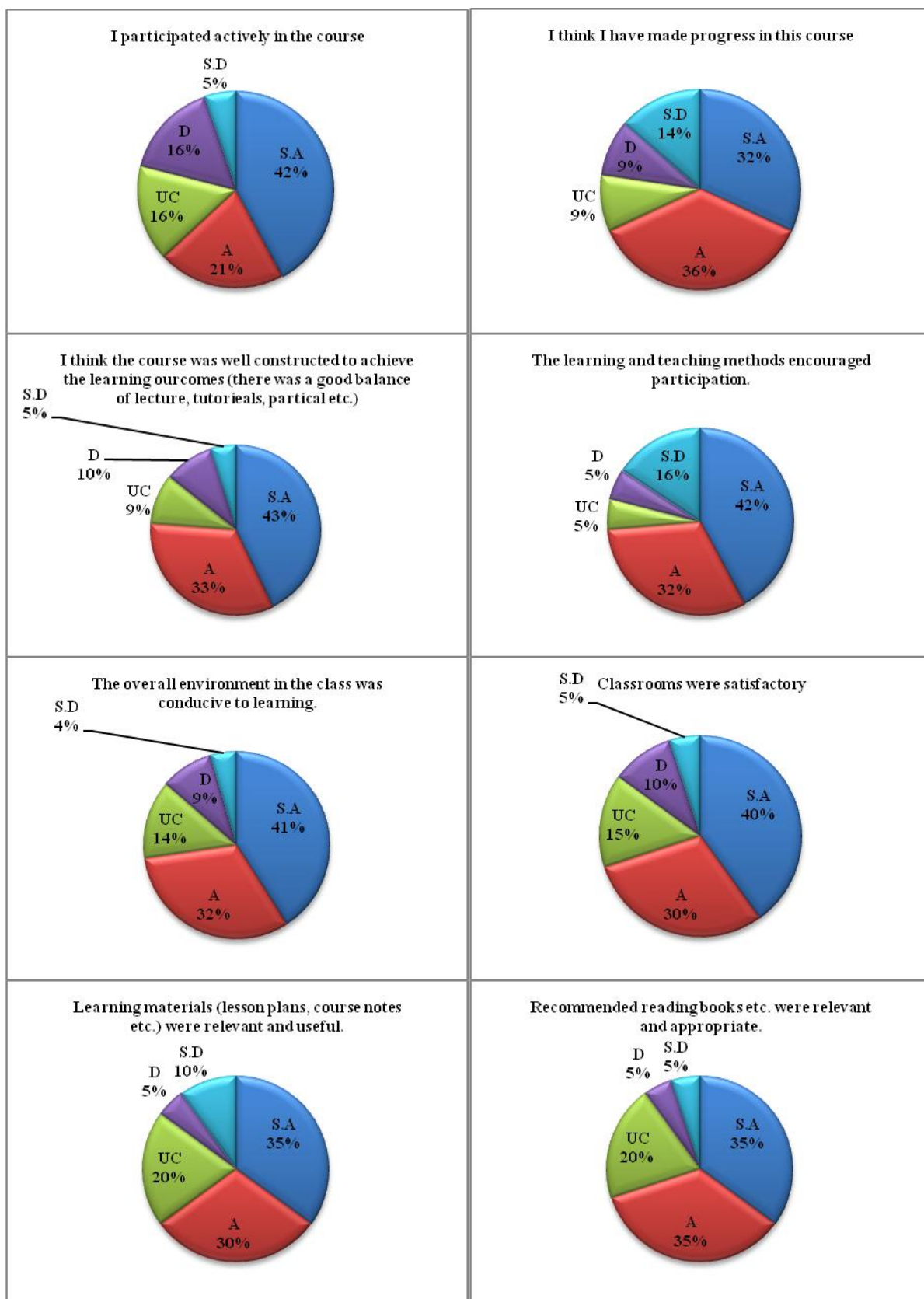
Weaknesses:

- Tutorials should be added

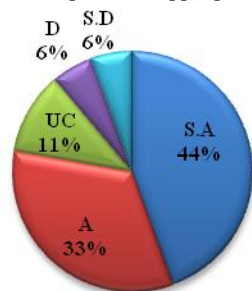
Mr. Muhammad Nazir (CS-729)

The graph shows that 50% of the students strongly agreed that course objectives are clear. The 32% agreed with the notion. Only 9% do not agree and 5% strongly disagreed. The course load was manageable as 50% of the students strongly agreed and 30% of the students agreed. 10% of the students do not agree and 5% strongly disagreed. The course material was well organized this is strongly agreed by 33% of the students and 48% of the students agreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 35% of the students and 35% strongly agreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 32% of the students and strongly agreed by 42% of the students. Around 16% of the students strongly disagreed with the concept.

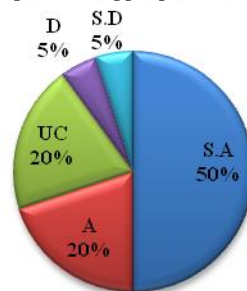




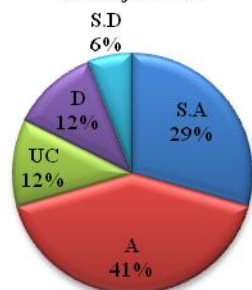
The provision of learning resources in the library was adequate and appropriate.



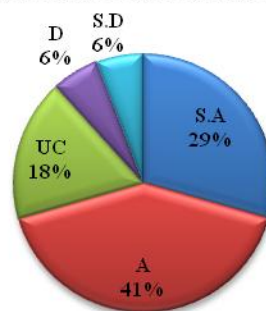
The provision of learning resources on the web was adequate and appropriate. (if relevant)



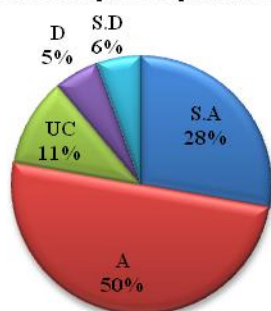
The course stimulated by interest and thought on the subject area.



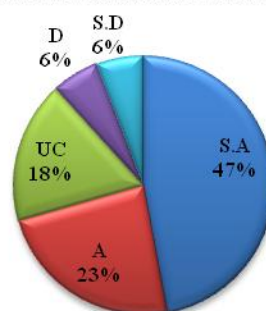
The pace of the course was appropriate



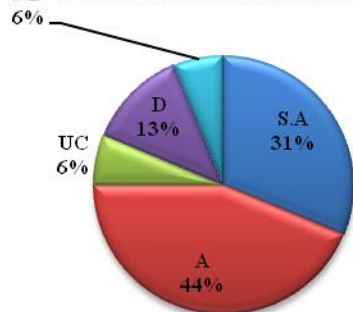
Ideas and concepts were presented clearly



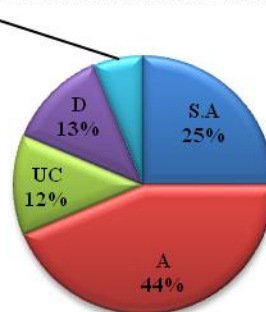
The method of assessment were reasonable

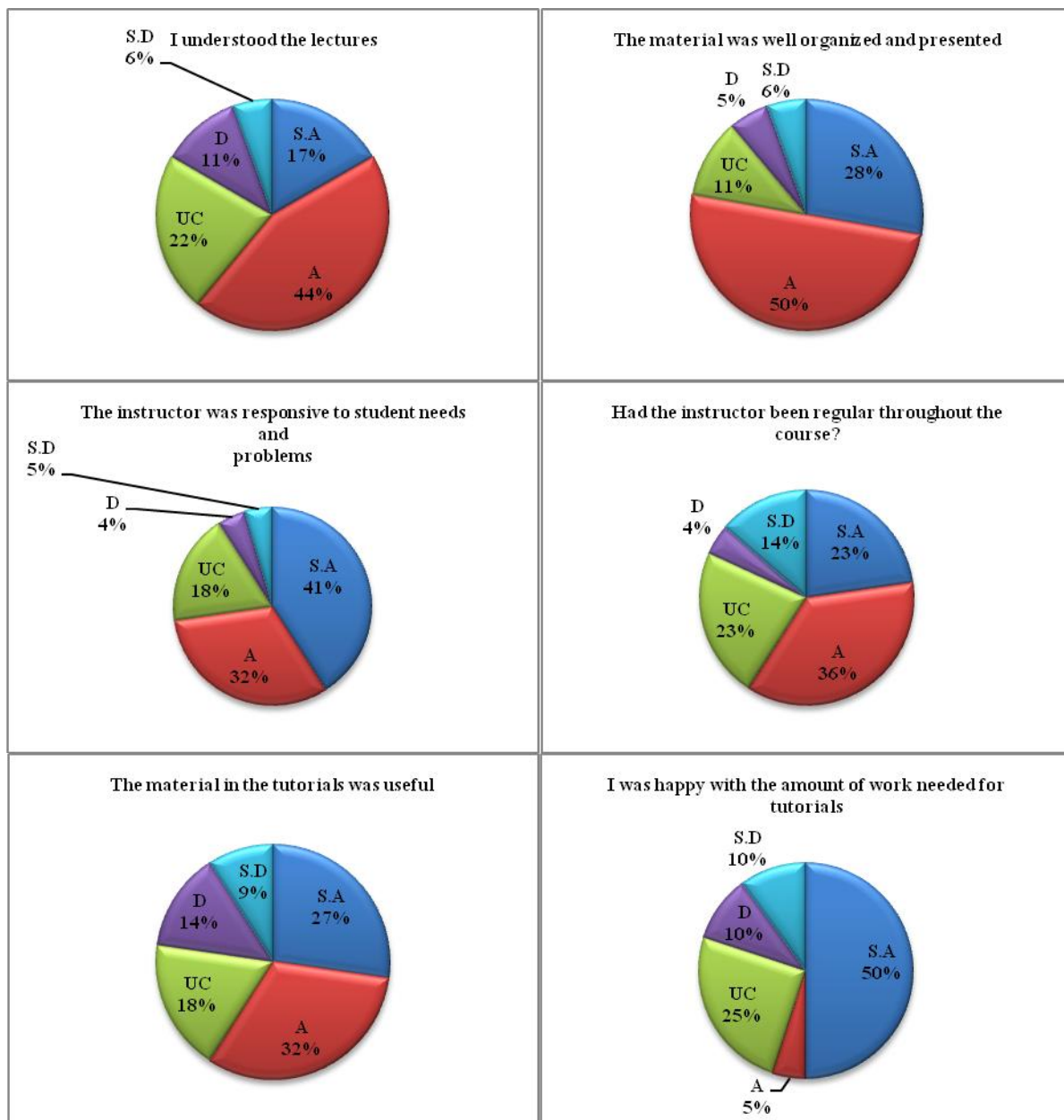


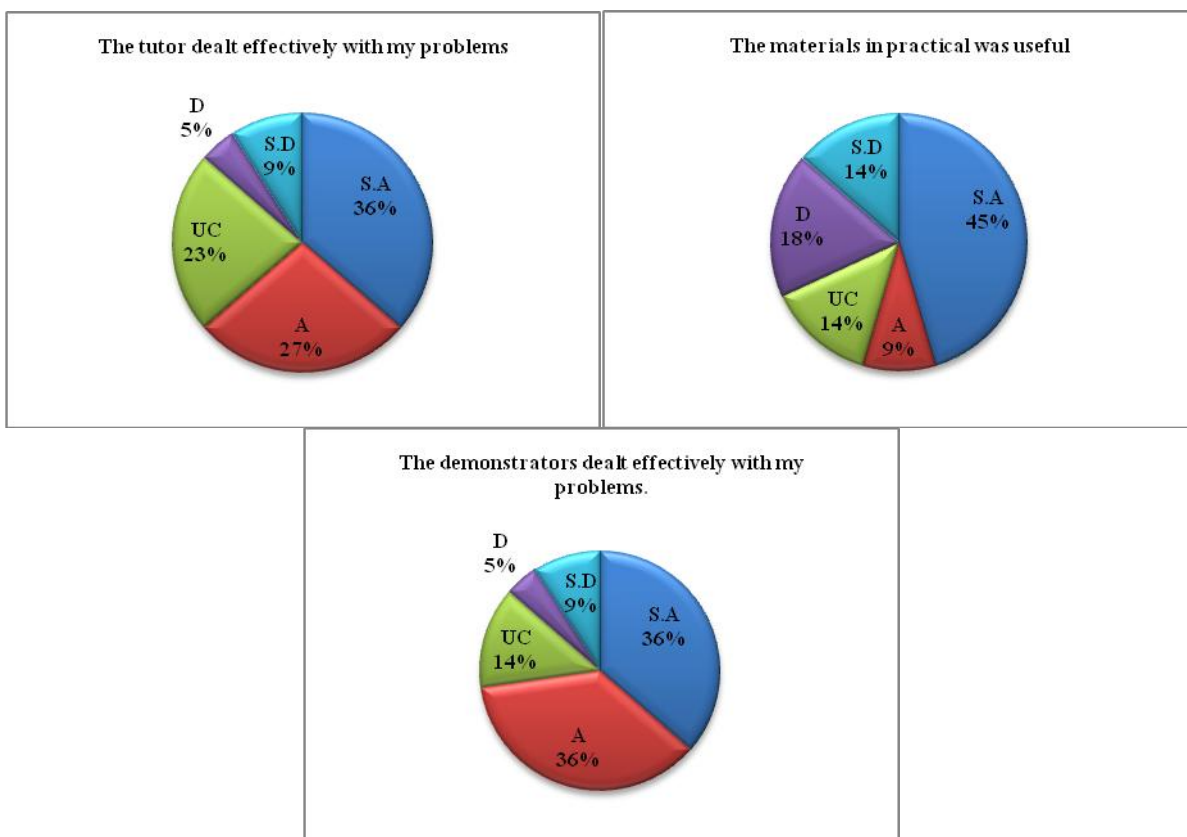
S.D Feedback on assessment was timely



S.D Feedback on assessment was helpful







General Comments of Students about this course:

Strengths :

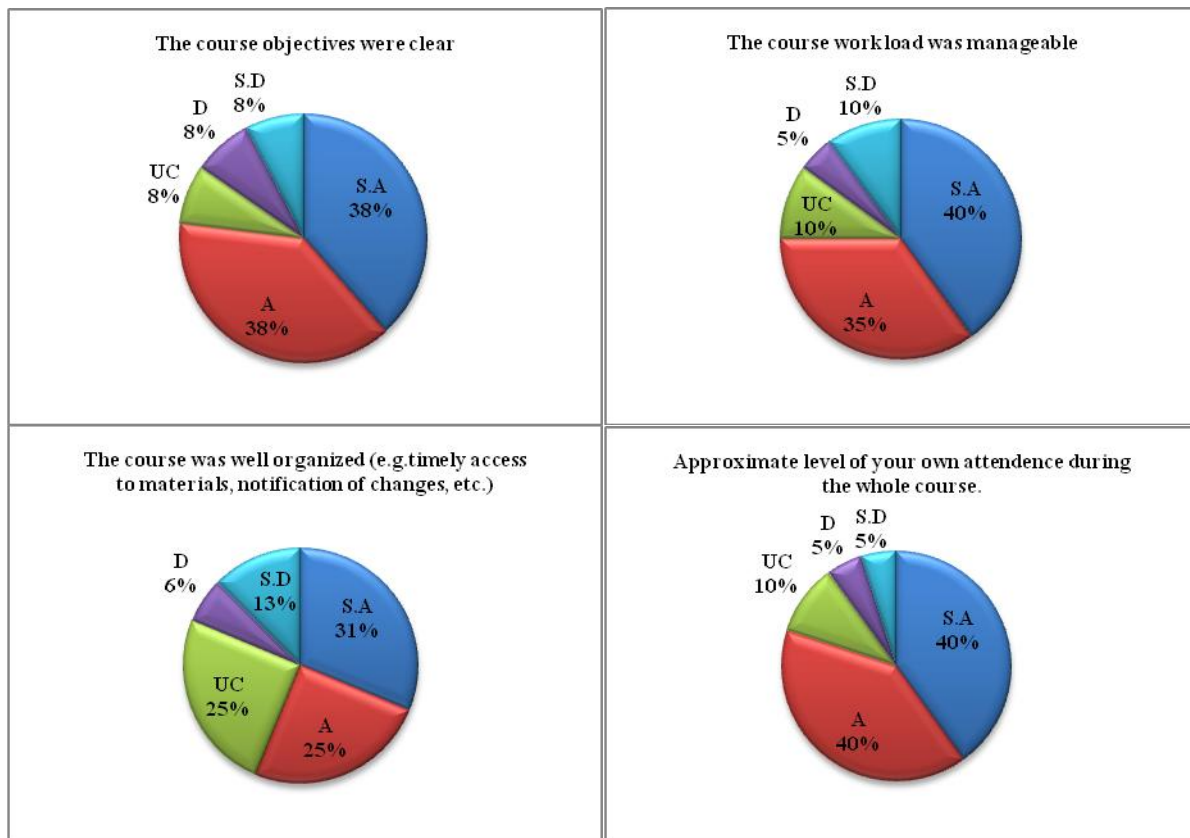
- Understanding of the course
- Good reference material provided

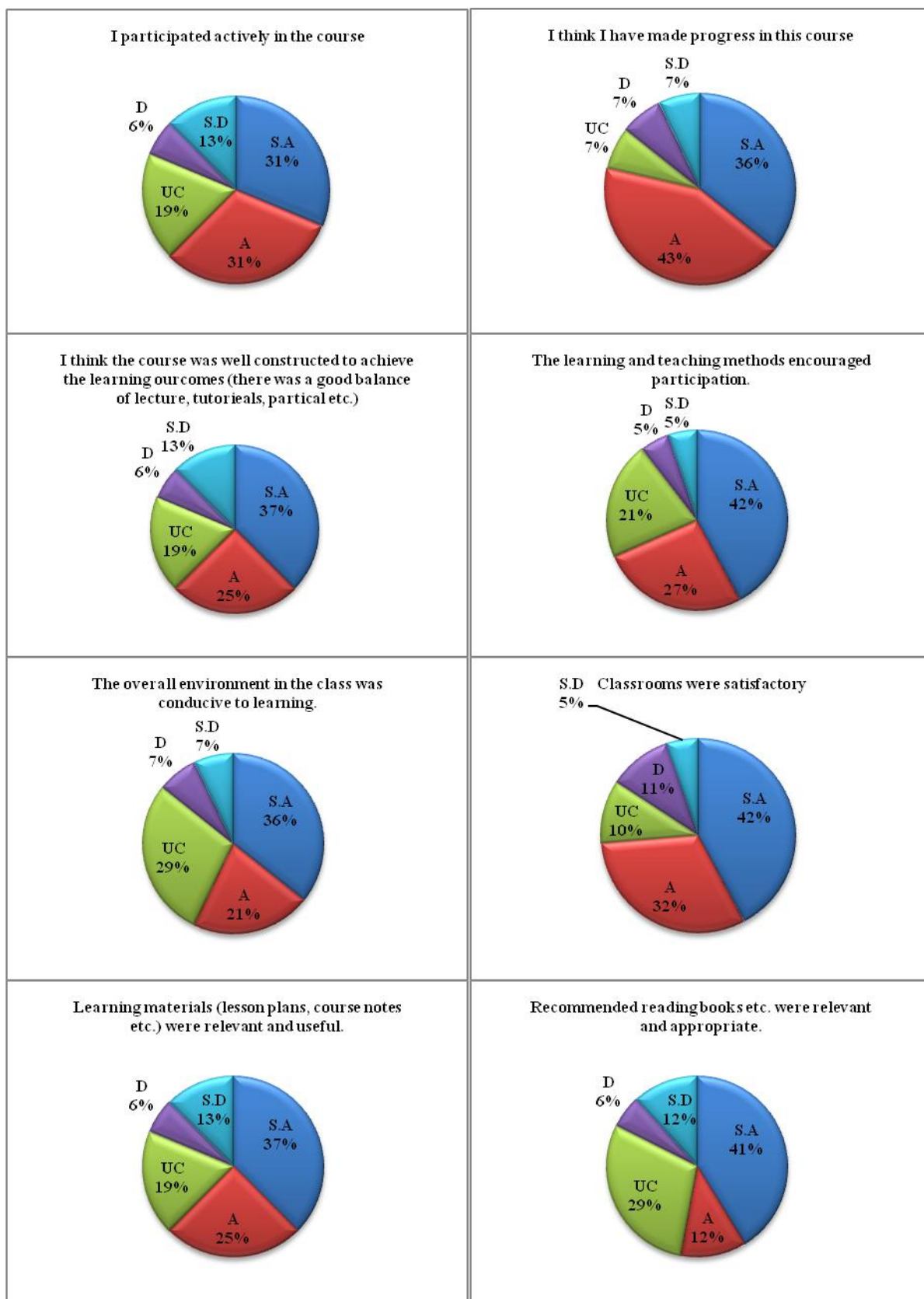
Weaknesses:

- Objectives should be more clear

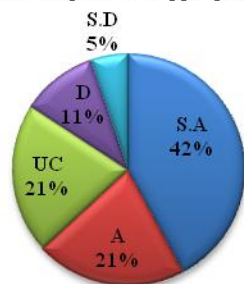
Mr. Nasir Mehmood (CS-724)

The pie chart shows that 38% of the students strongly agreed that course objectives are clear. The 38% agreed with the notion. Only 8% do not agree and 8% strongly disagreed. The course load was manageable as 40% of the students strongly agreed and 35% of the students agreed. 5% of the students do not agree and 10% strongly disagreed. The course material was well organized this is strongly agreed by 31% of the students and 25% of the students agreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 40% of the students and 40% strongly agreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 27% of the students and strongly agreed by 42% of the students. Around 5% of the students strongly disagreed with the concept.

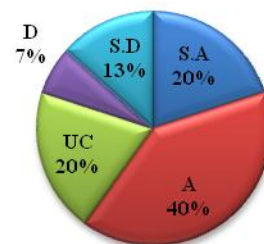




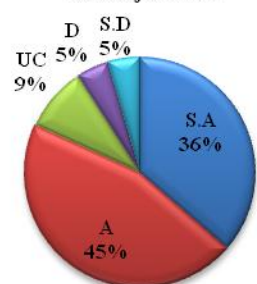
The provision of learning resources in the library was adequate and appropriate.



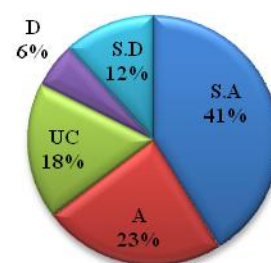
The provision of learning resources on the web was adequate and appropriate. (if relevant)



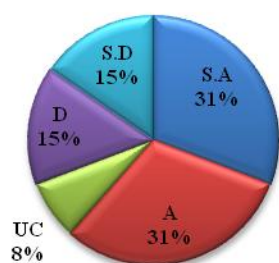
The course stimulated by interest and thought on the subject area.



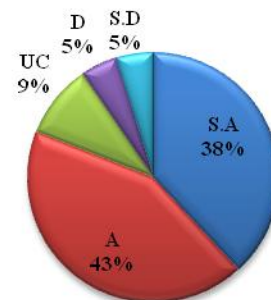
The pace of the course was appropriate



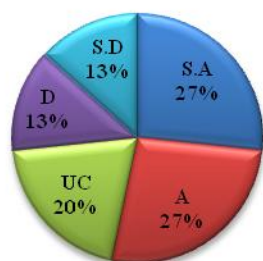
Ideas and concepts were presented clearly



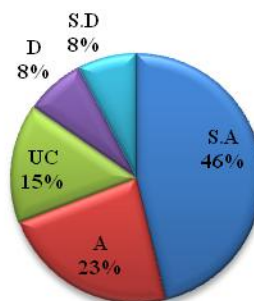
The method of assessment were reasonable

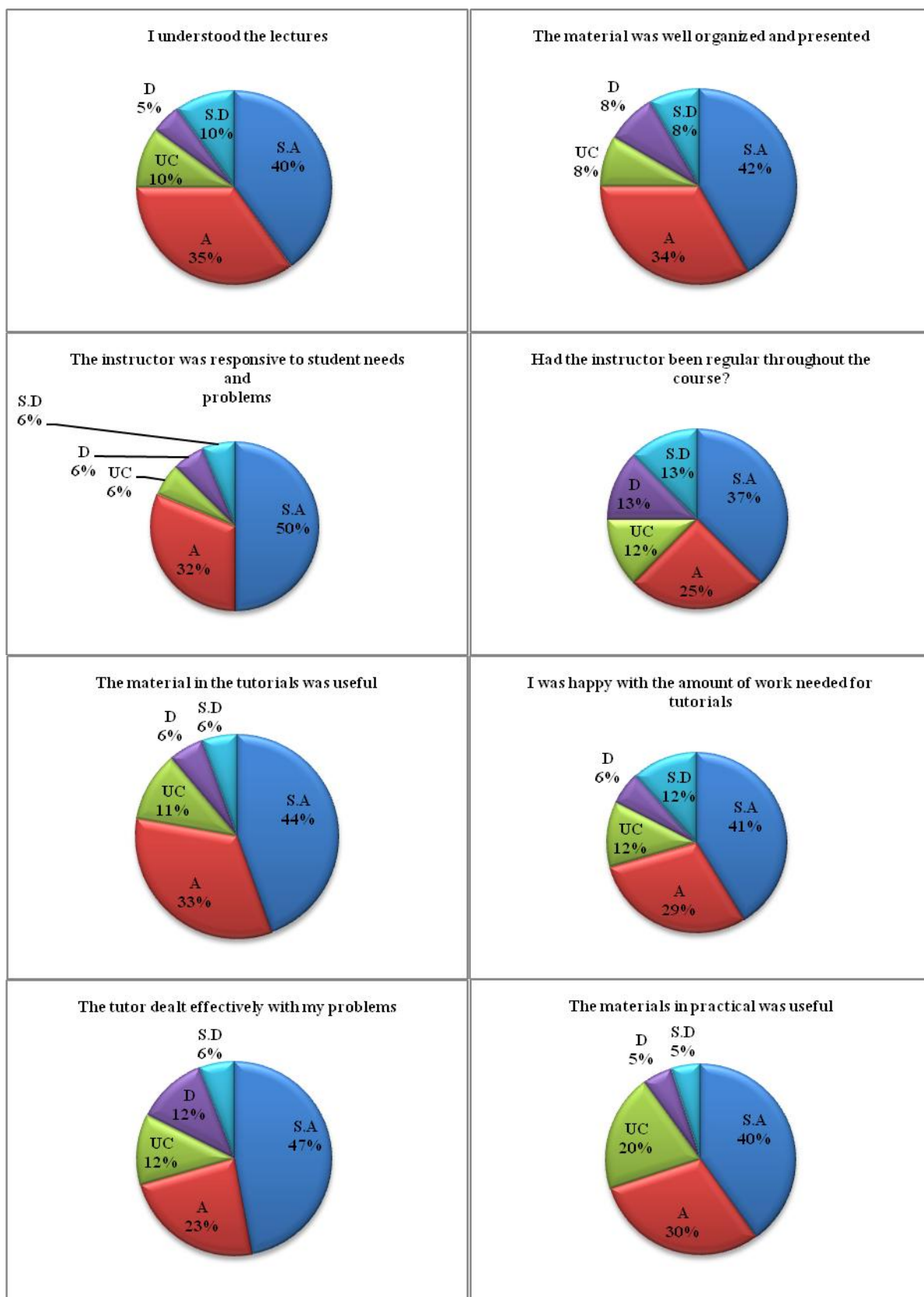


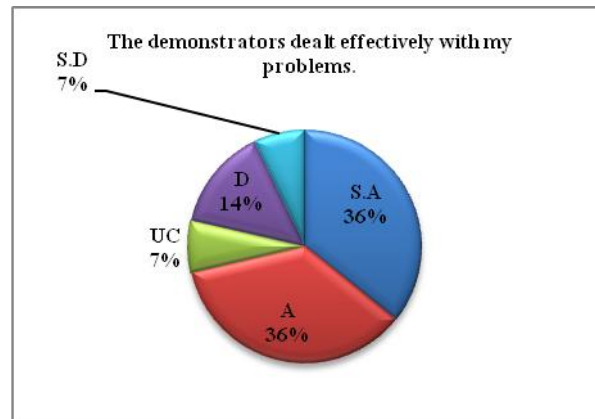
Feedback on assessment was timely



Feedback on assessment was helpful







General Comments of Students about this course:

Strengths :

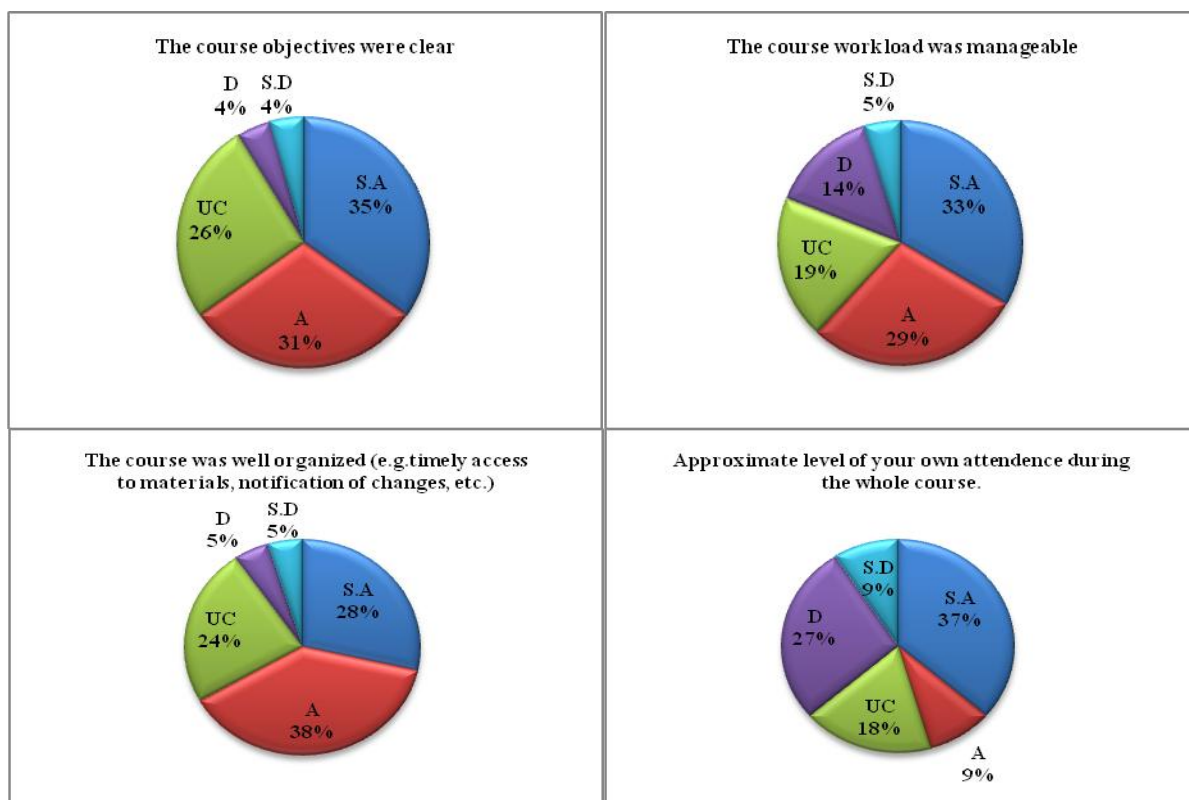
- Well organized
- Good teaching method

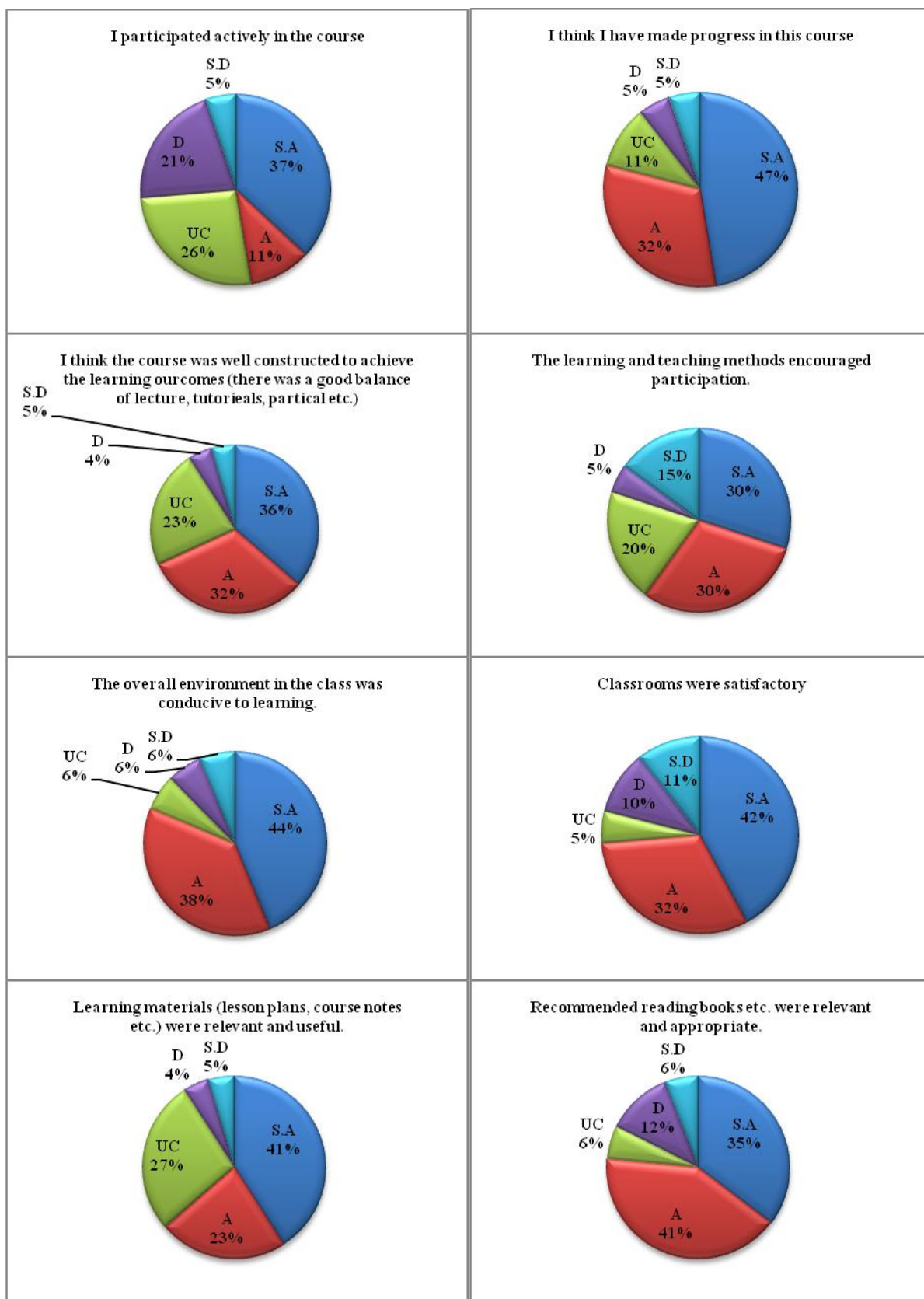
Weaknesses:

- Tutorials should be added

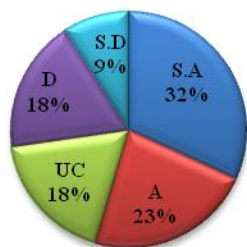
Mr. Muhammad Nazir (CS- 772)

The pie chart shows that 35% of the students strongly agreed that course objectives are clear. The 31% agreed with the notion. Only 4% do not agree and 4% strongly disagreed. The course load was manageable as 33% of the students strongly agreed and 29% of the students agreed. 14% of the students do not agree and 5% strongly disagreed. The course material was well organized this is strongly agreed by 28% of the students and 38% of the students agreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 9% of the students and 37% strongly agreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 32% of the students and strongly agreed by 36% of the students. Around 9% of the students do not agree with the concept.

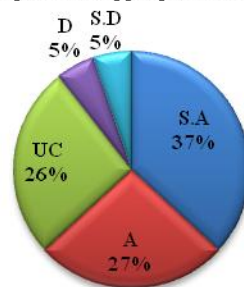




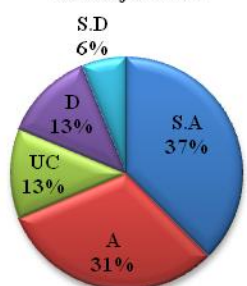
The provision of learning resources in the library was adequate and appropriate.



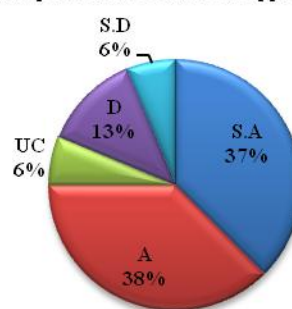
The provision of learning resources on the web was adequate and appropriate. (if relevant)



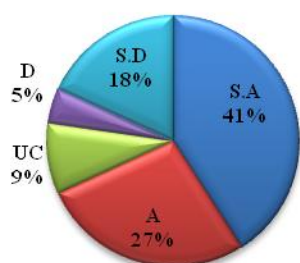
The course stimulated by interest and thought on the subject area.



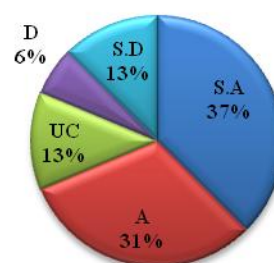
The pace of the course was appropriate



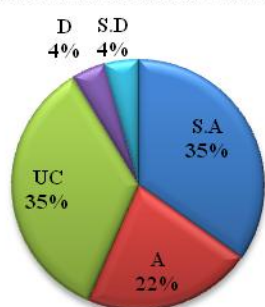
Ideas and concepts were presented clearly



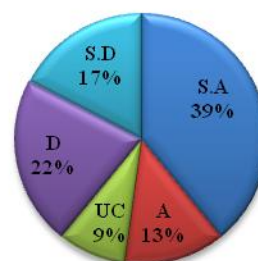
The method of assessment were reasonable

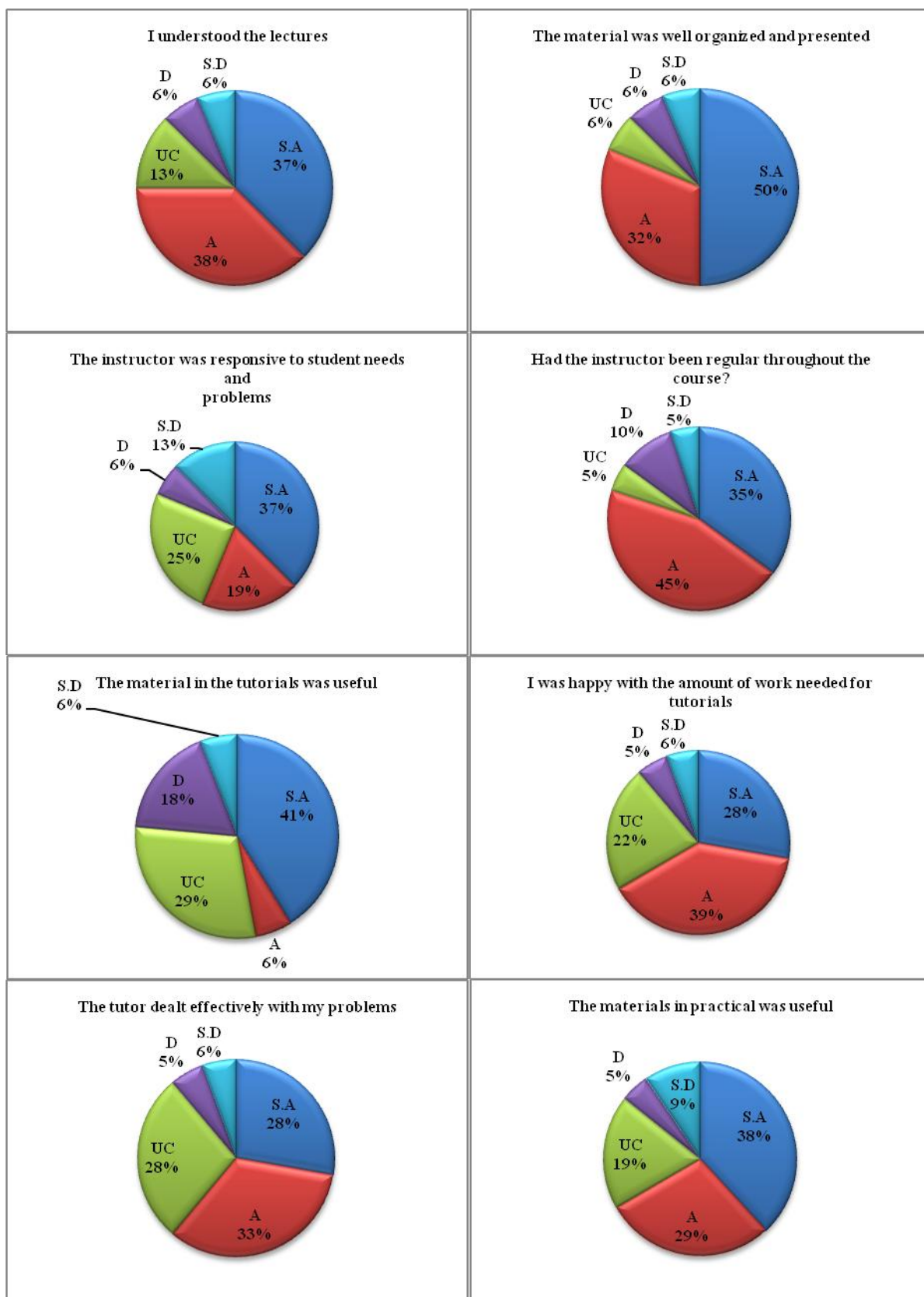


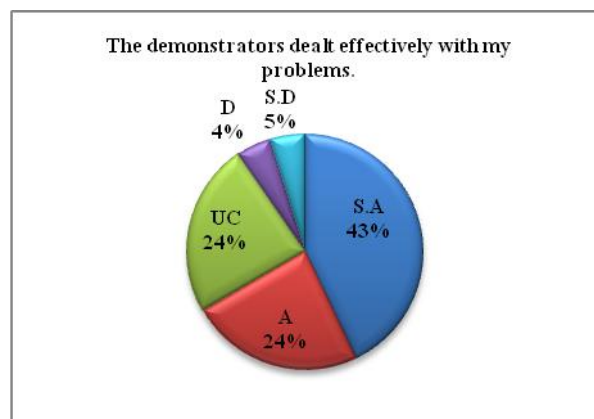
Feedback on assessment was timely



Feedback on assessment was helpful







General Comments of Students about this course:

Strengths :

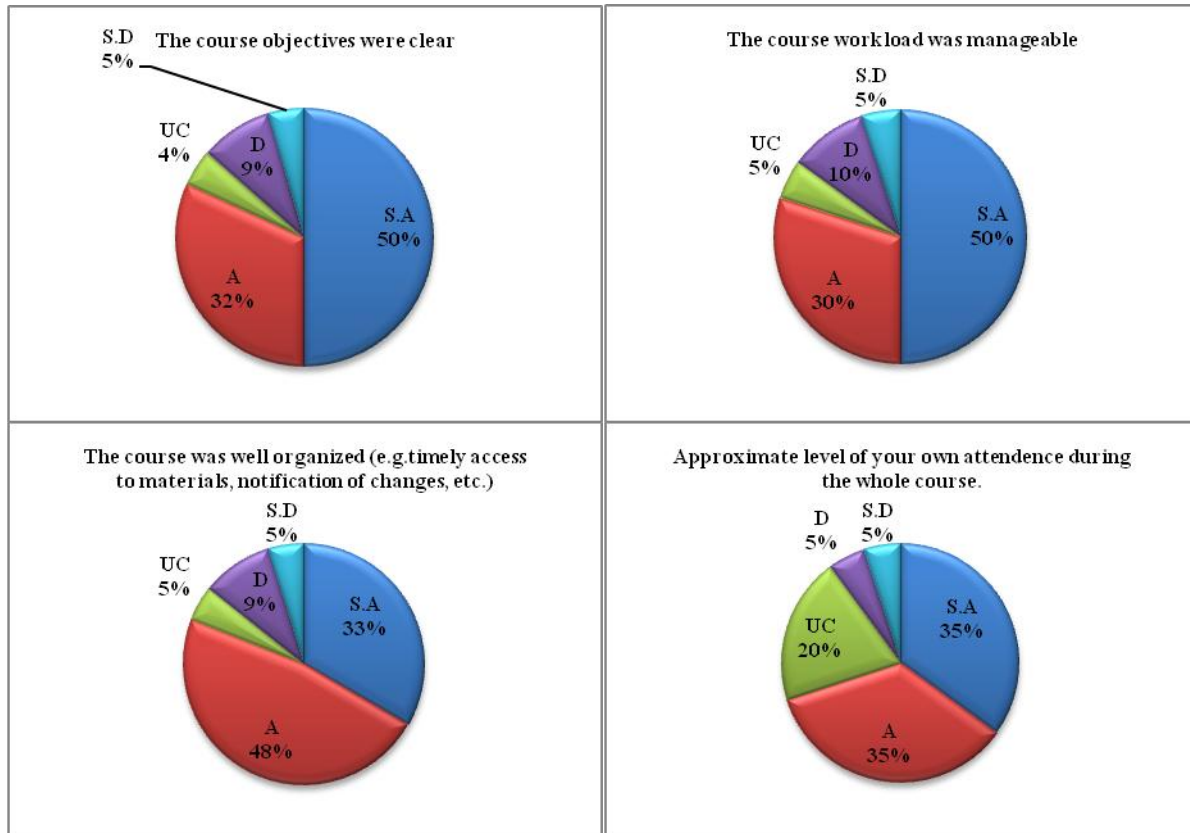
- Conducive environment in class
- Good communication with students
- Well organized material

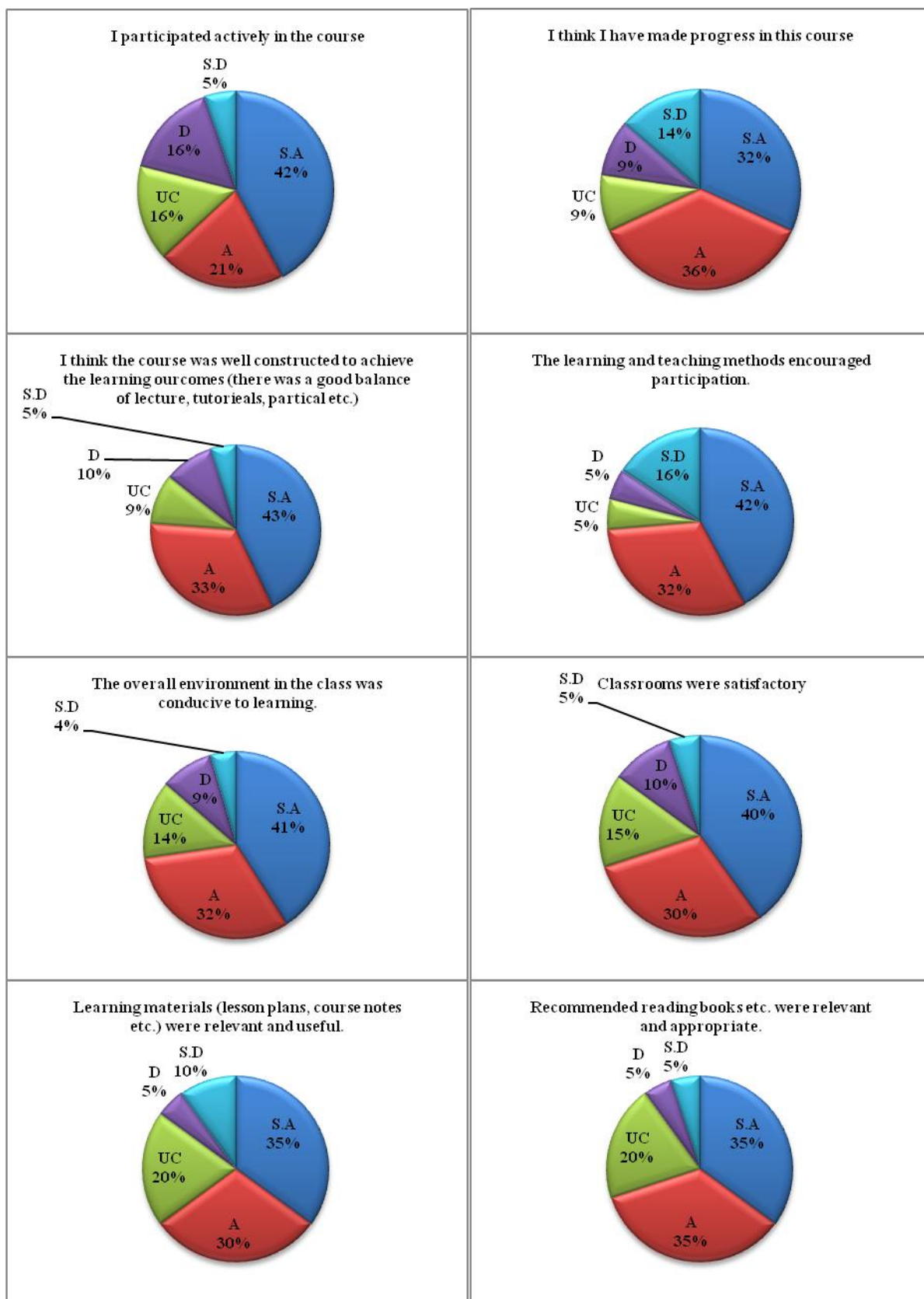
Weaknesses:

- Tutorials should be added
- More practical material should be added

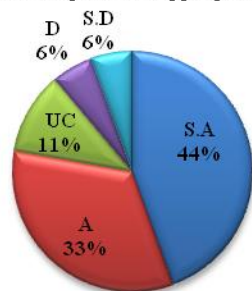
Mr. Naeem ur Rehman (CS-727)

The pie chart shows that 50% of the students strongly agreed that course objectives are clear. The 32% agreed with the notion. Only 9% do not agree and 5% strongly disagreed. The course load was manageable as 50% of the students strongly agreed and 30% of the students agreed. 10% of the students do not agree and 5% strongly disagreed. The course material was well organized this is strongly agreed by 33% of the students and 48% of the students agreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 35% of the students and 35% strongly agreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 32% of the students and strongly agreed by 42% of the students. Around 16% of the students strongly disagreed with the concept.

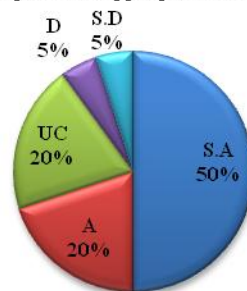




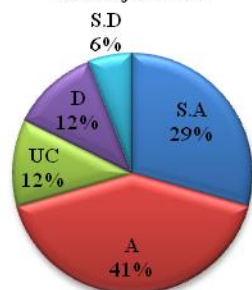
The provision of learning resources in the library was adequate and appropriate.



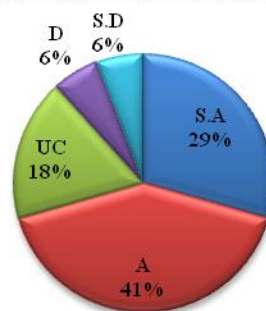
The provision of learning resources on the web was adequate and appropriate. (if relevant)



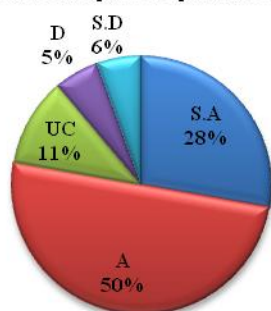
The course stimulated by interest and thought on the subject area.



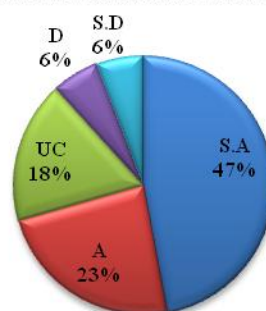
The pace of the course was appropriate



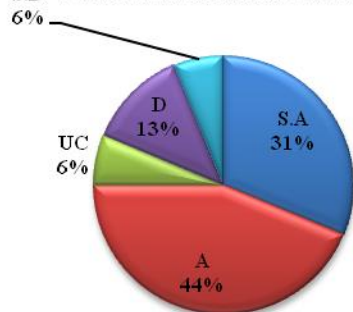
Ideas and concepts were presented clearly



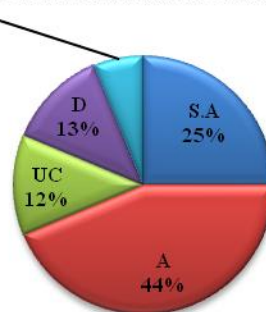
The method of assessment were reasonable

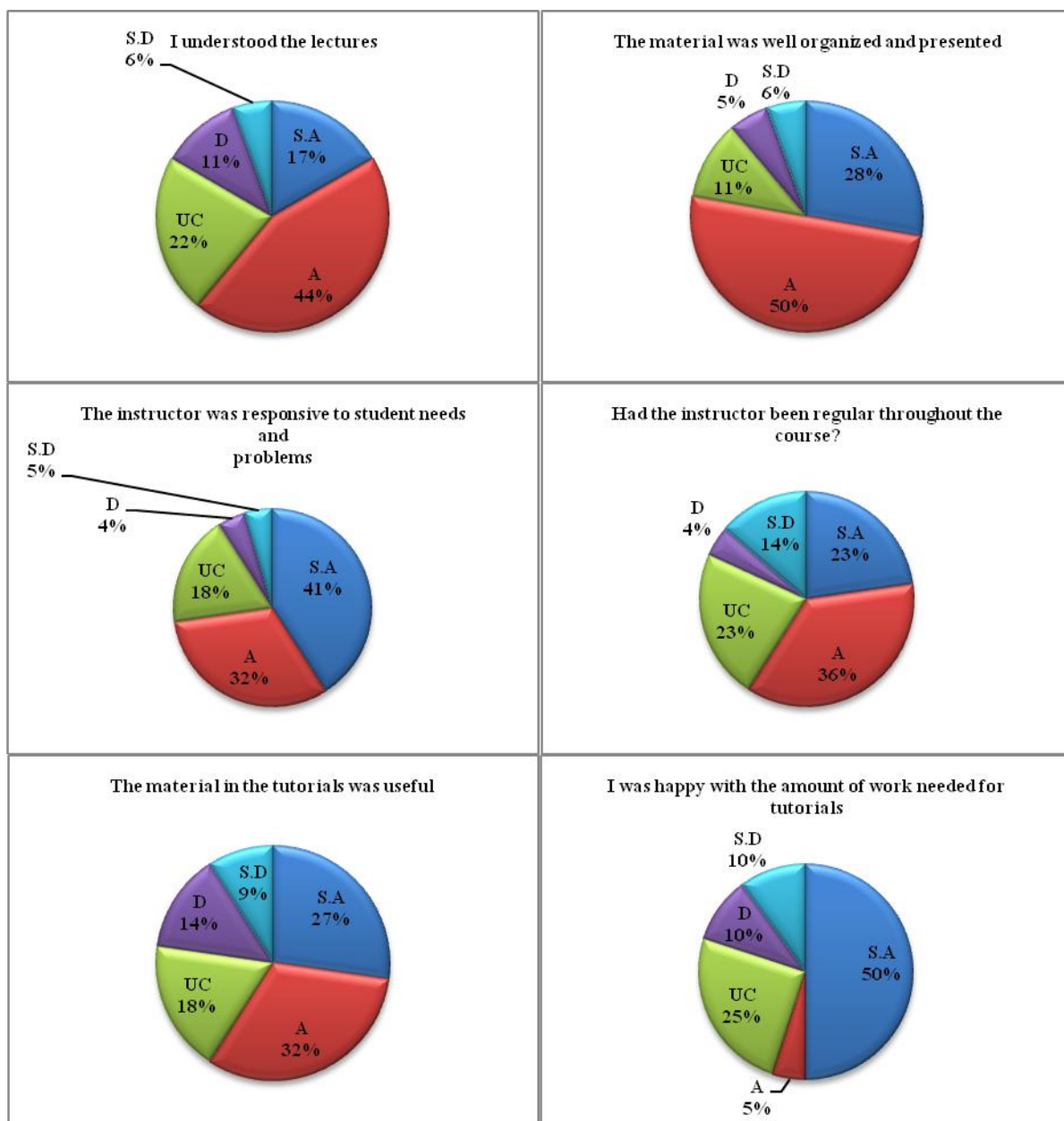


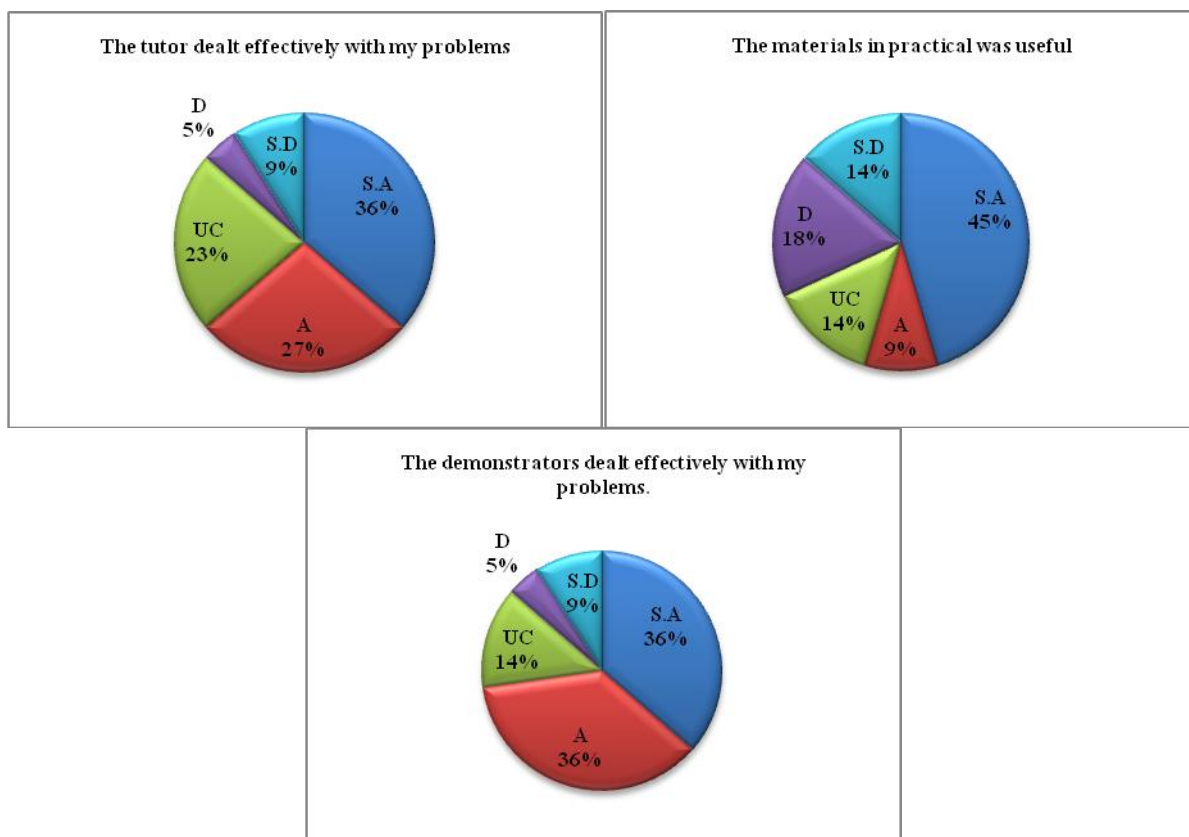
S.D Feedback on assessment was timely



S.D Feedback on assessment was helpful







General Comments of Students about this course:

Strengths :

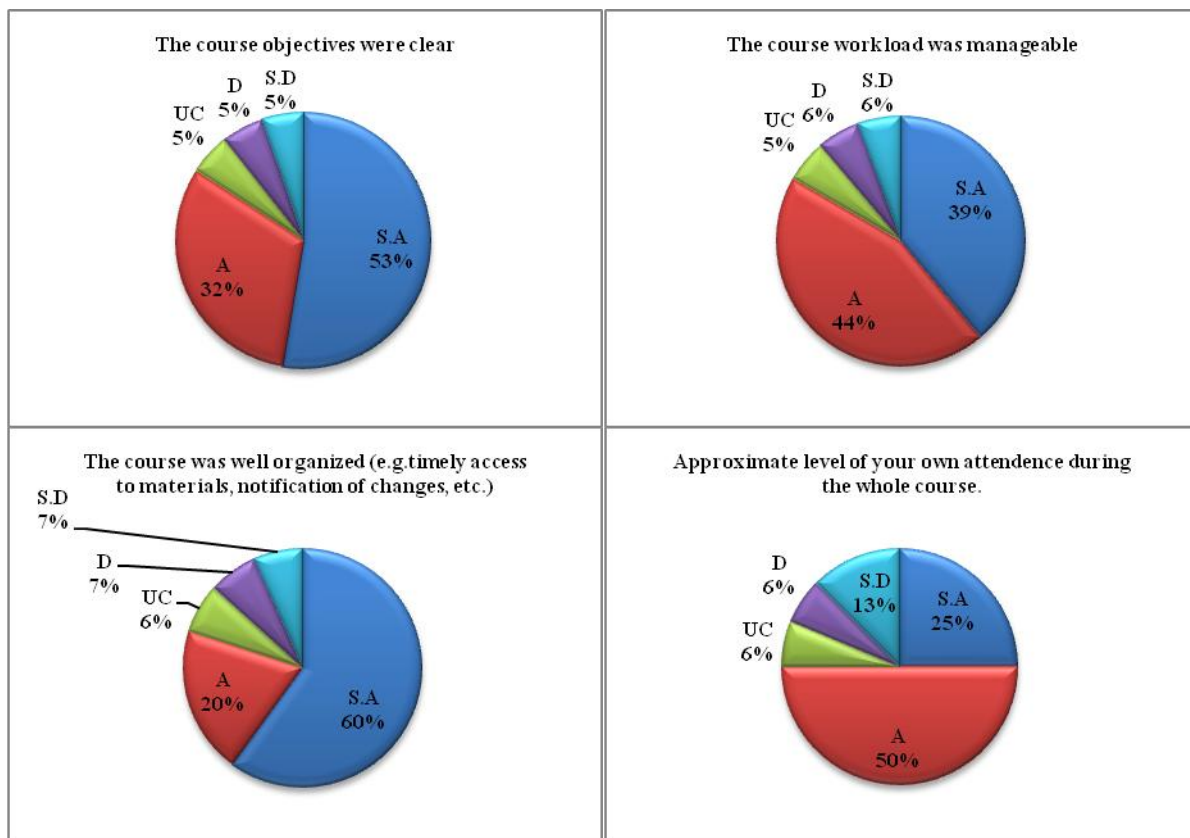
- Understanding of the course
- Good reference material provided

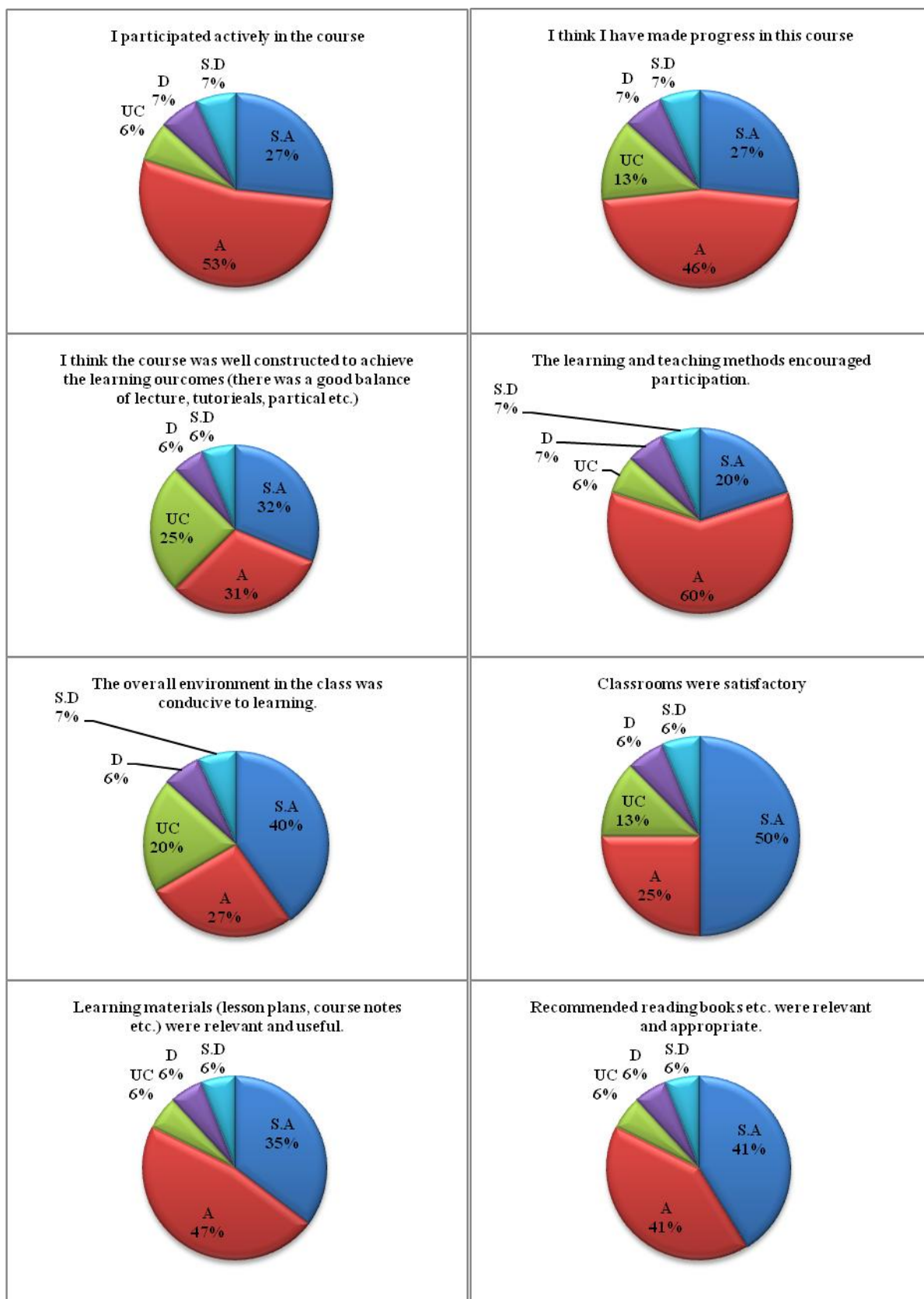
Weaknesses:

- Objectives should be more clear

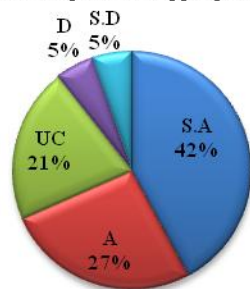
Saqib Majeed (CS-727)

The pie chart shows that 53% of the students strongly agreed that course objectives are clear. The 32% agreed with the notion. Only 5% do not agree and 5% strongly disagreed. The course load was manageable as 39% of the students strongly agreed and 44% of the students agreed. 6% of the students do not agree and 6% strongly disagreed. The course material was well organized this is strongly agreed by 60% of the students and 20% of the students agreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 50% of the students and 25% strongly agreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 60% of the students and strongly agreed by 20% of the students. Around 7% of the students do not agree with the concept.

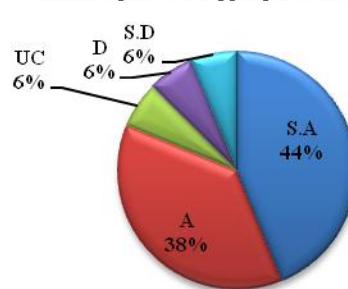




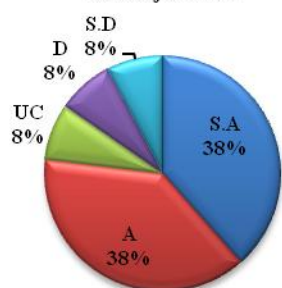
The provision of learning resources in the library was adequate and appropriate.



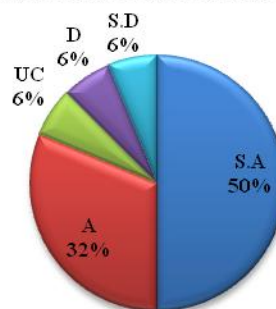
The provision of learning resources on the web was adequate and appropriate. (if relevant)



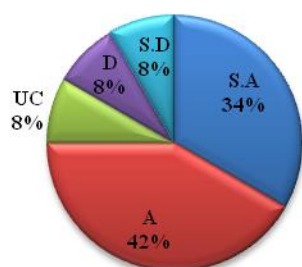
The course stimulated by interest and thought on the subject area.



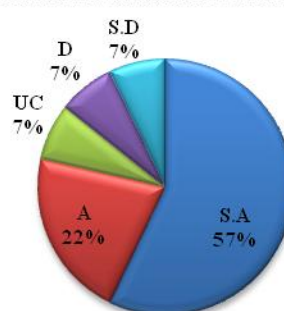
The pace of the course was appropriate



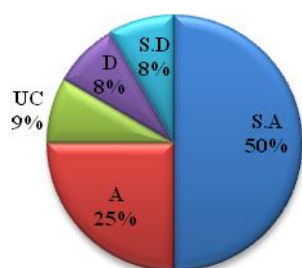
Ideas and concepts were presented clearly



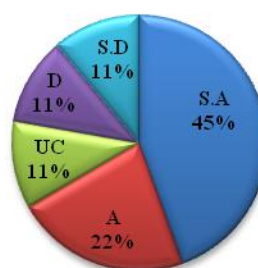
The method of assessment were reasonable

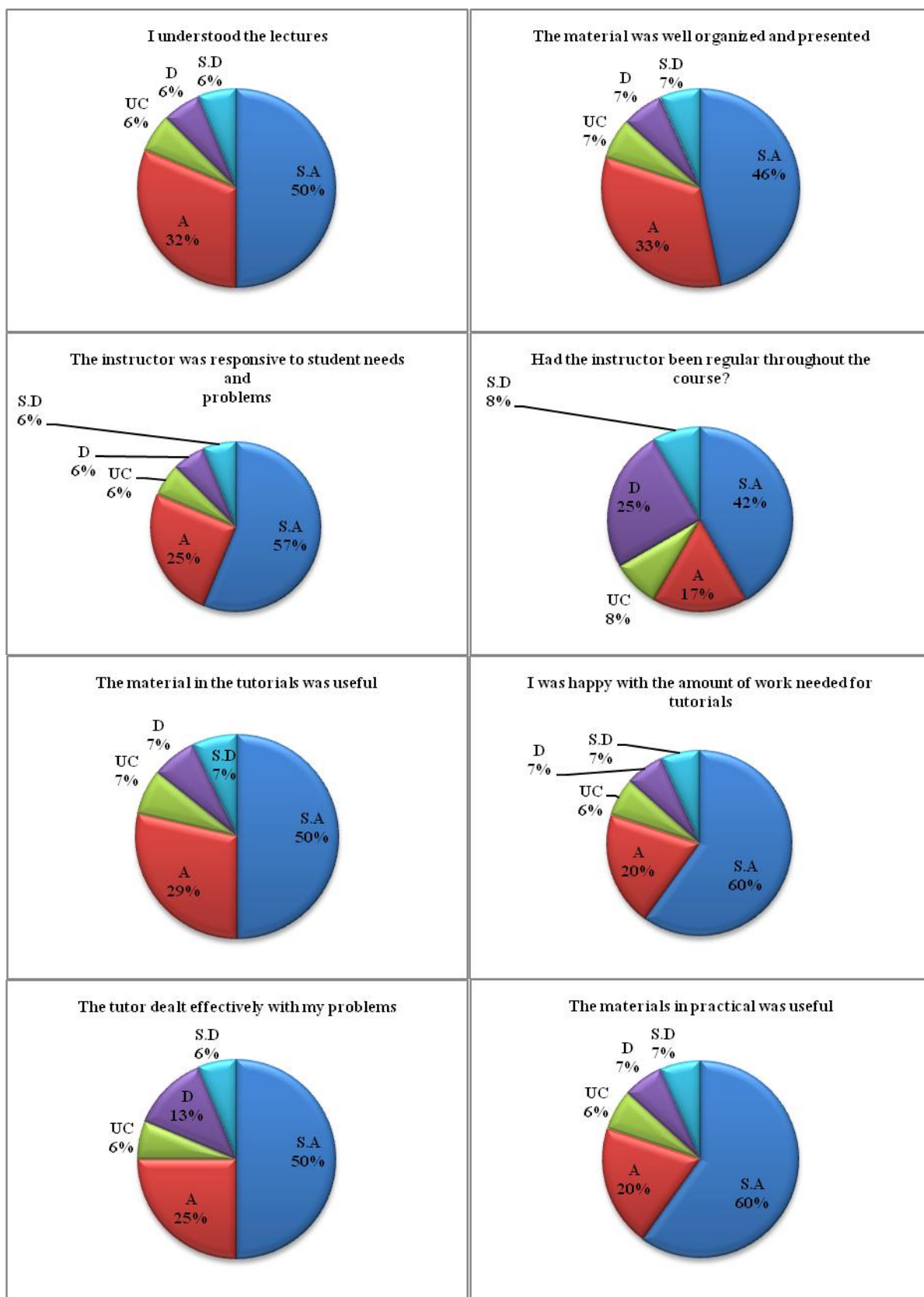


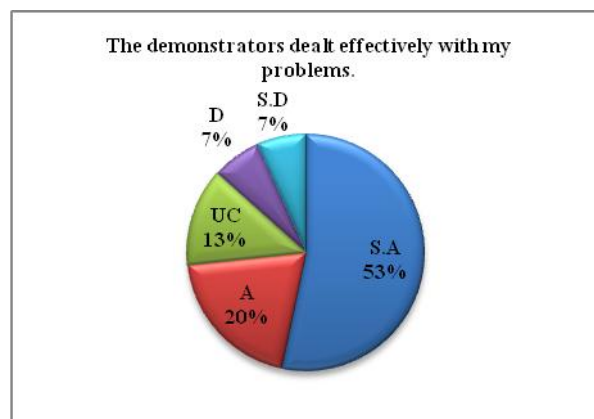
Feedback on assessment was timely



Feedback on assessment was helpful







General Comments of Students about this course:

Strengths :

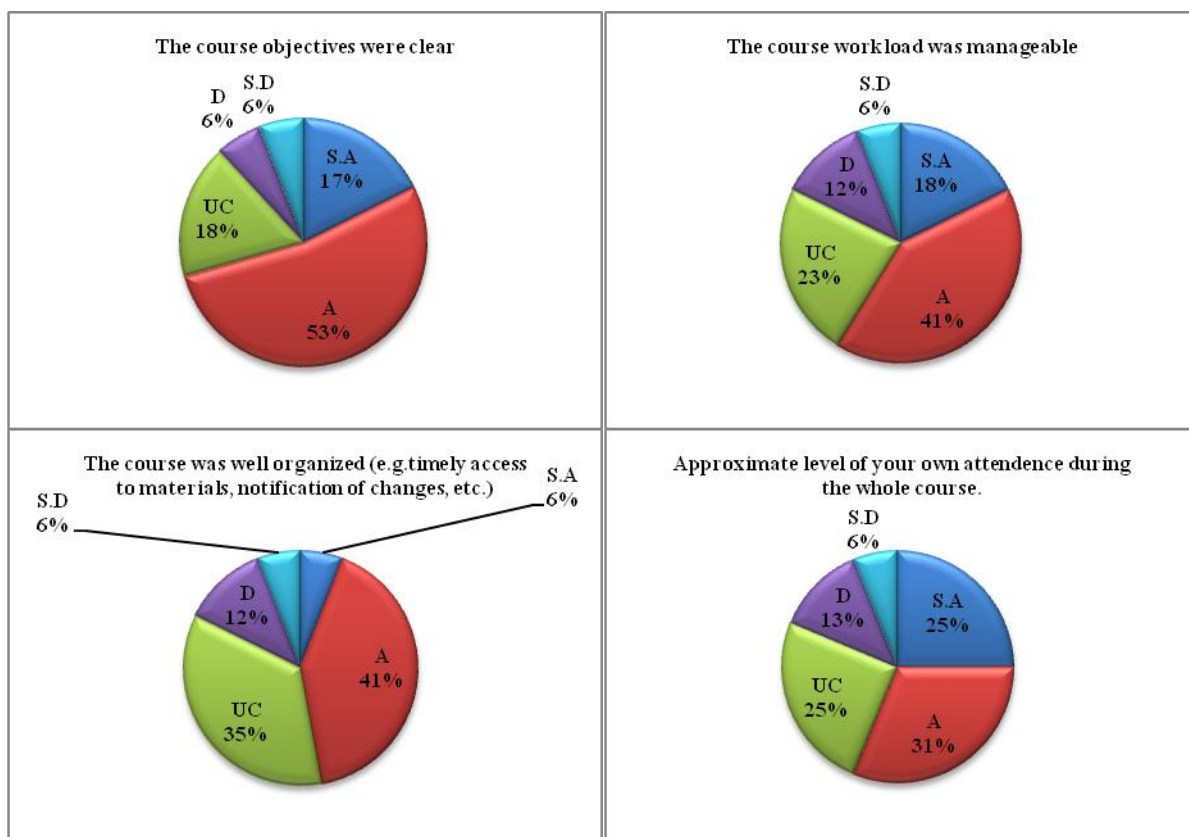
- Understanding of the course
- Clear Objectives
- Well organized material

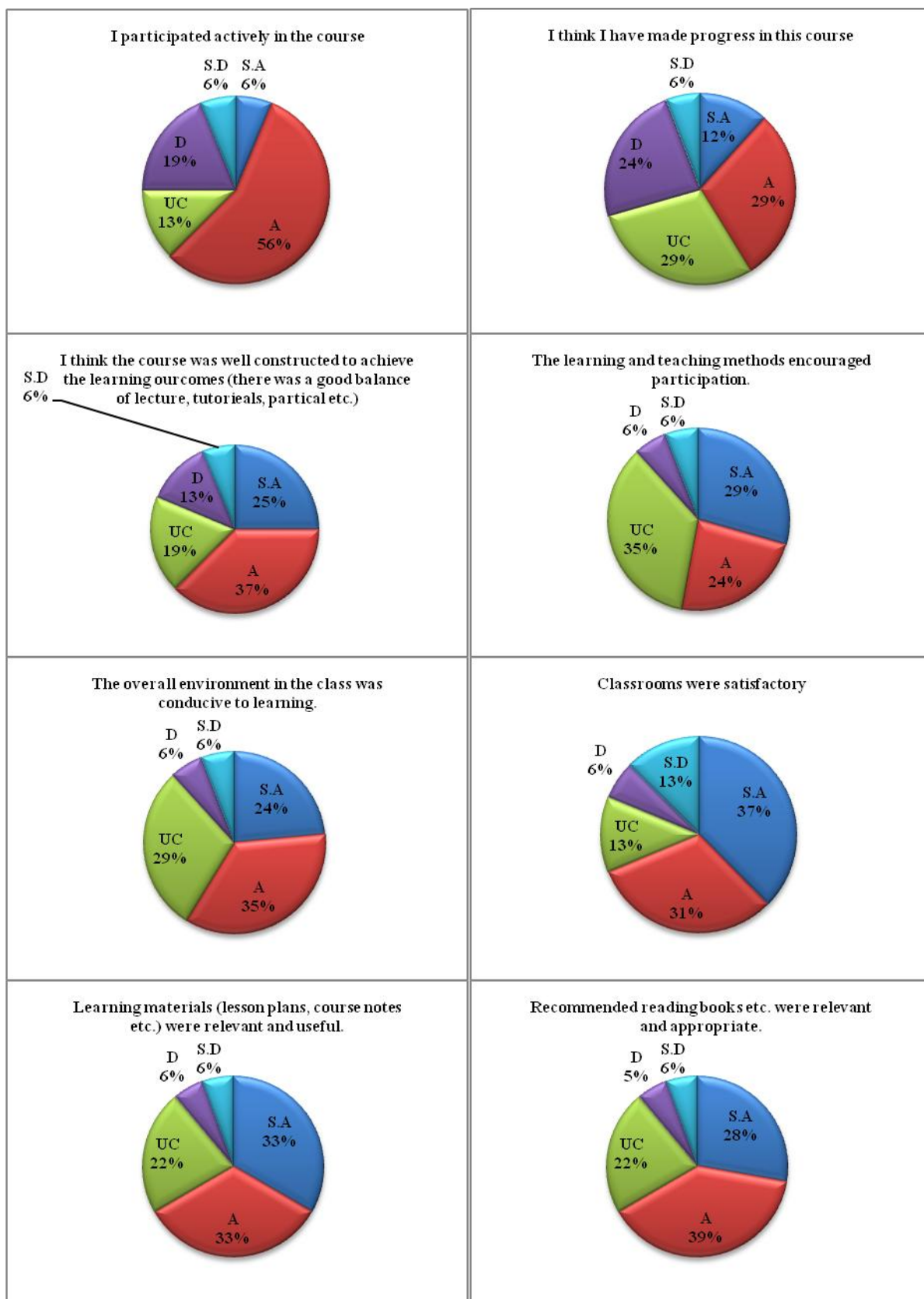
Weaknesses:

- More practical material should be added

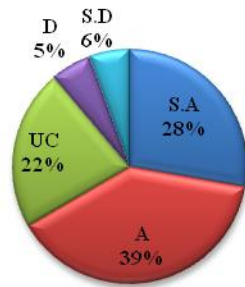
Saqib Majeed (CS-709)

The pie chart shows that 17% of the students strongly agreed that course objectives are clear. The 53% agreed with the notion. Only 6% do not agree and 6% strongly disagreed. The course load was manageable as 18% of the students strongly agreed and 41% of the students agreed. 6% of the students do not agree and 12% strongly disagreed. The course material was well organized this is strongly agreed by 6% of the students and 41% of the students agreed. The approximate level of attendance of the teacher during the course was good, it is agreed by 31% of the students and 25% strongly agreed. The learning and teaching method of the teacher encouraged the participants; this is agreed by 24% of the students and strongly agreed by 29% of the students. Around 6% of the students do not agree with the concept.

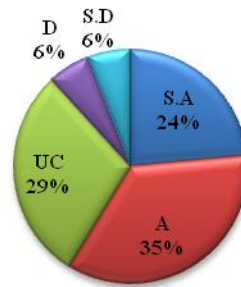




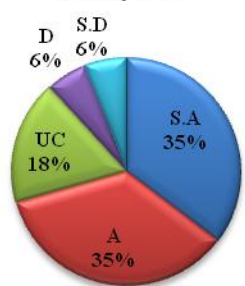
The provision of learning resources in the library was adequate and appropriate.



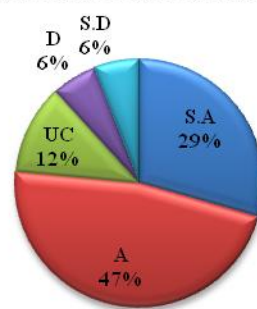
The provision of learning resources on the web was adequate and appropriate. (if relevant)



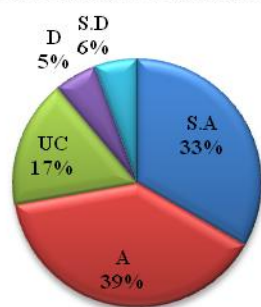
The course stimulated by interest and thought on the subject area.



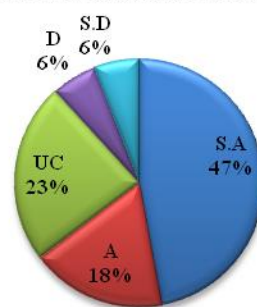
The pace of the course was appropriate



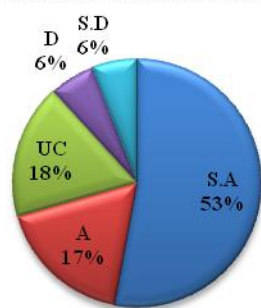
Ideas and concepts were presented clearly



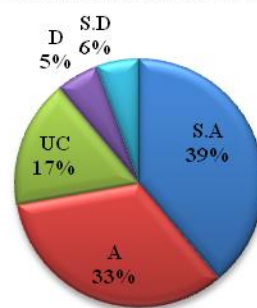
The method of assessment were reasonable

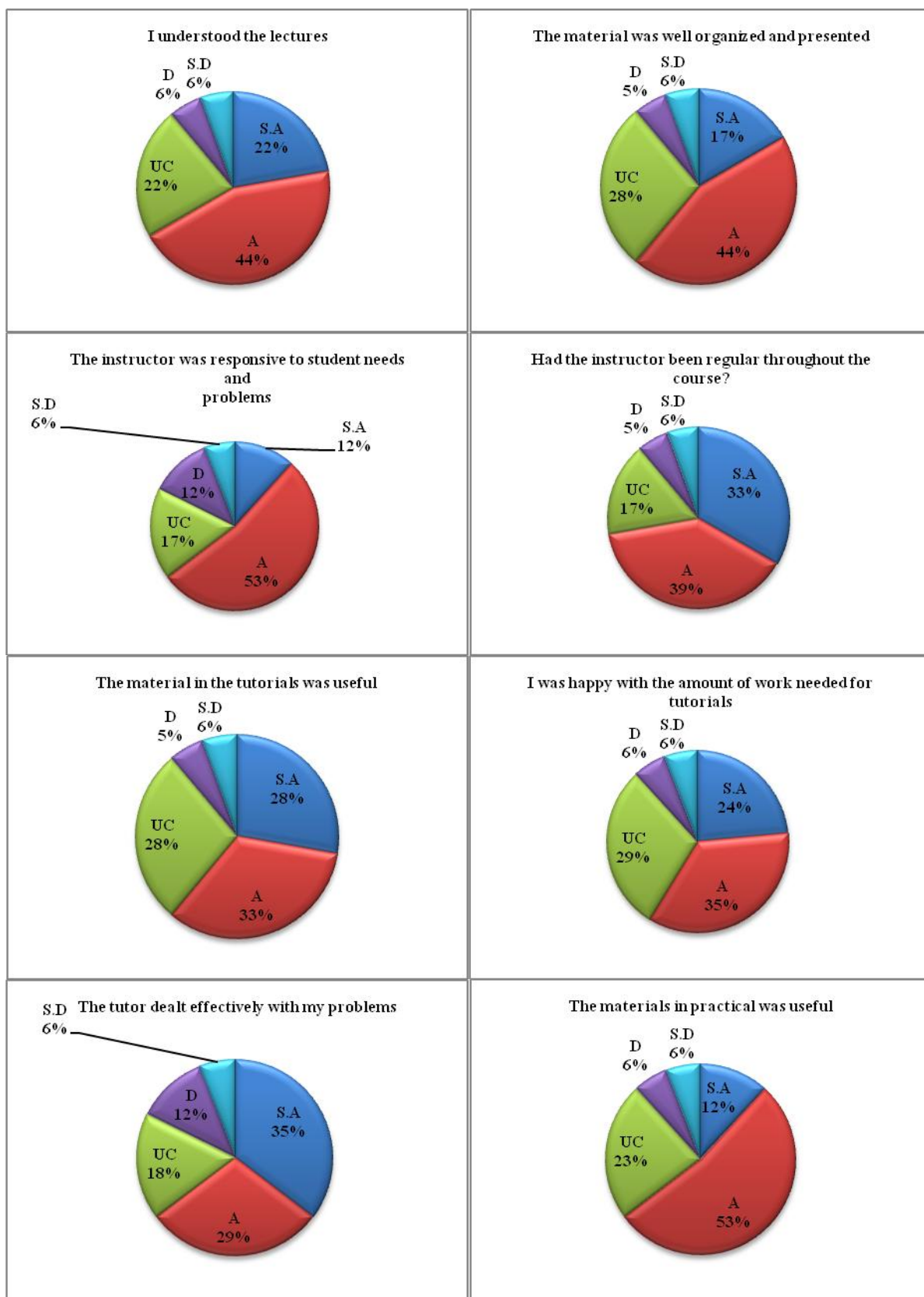


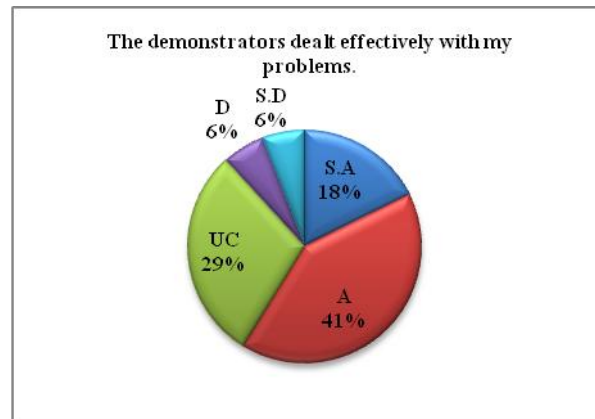
Feedback on assessment was timely



Feedback on assessment was helpful







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.

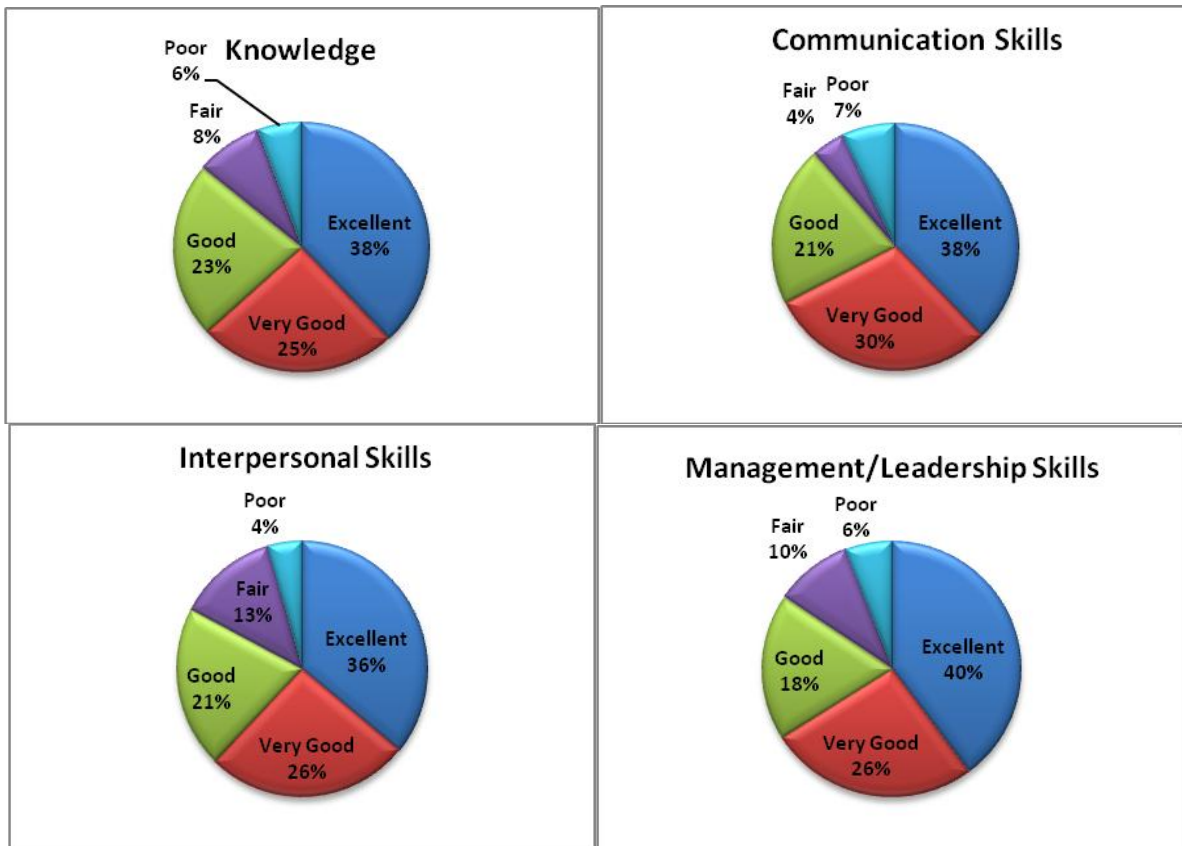


Figure 2: Result of Alumni Survey

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.

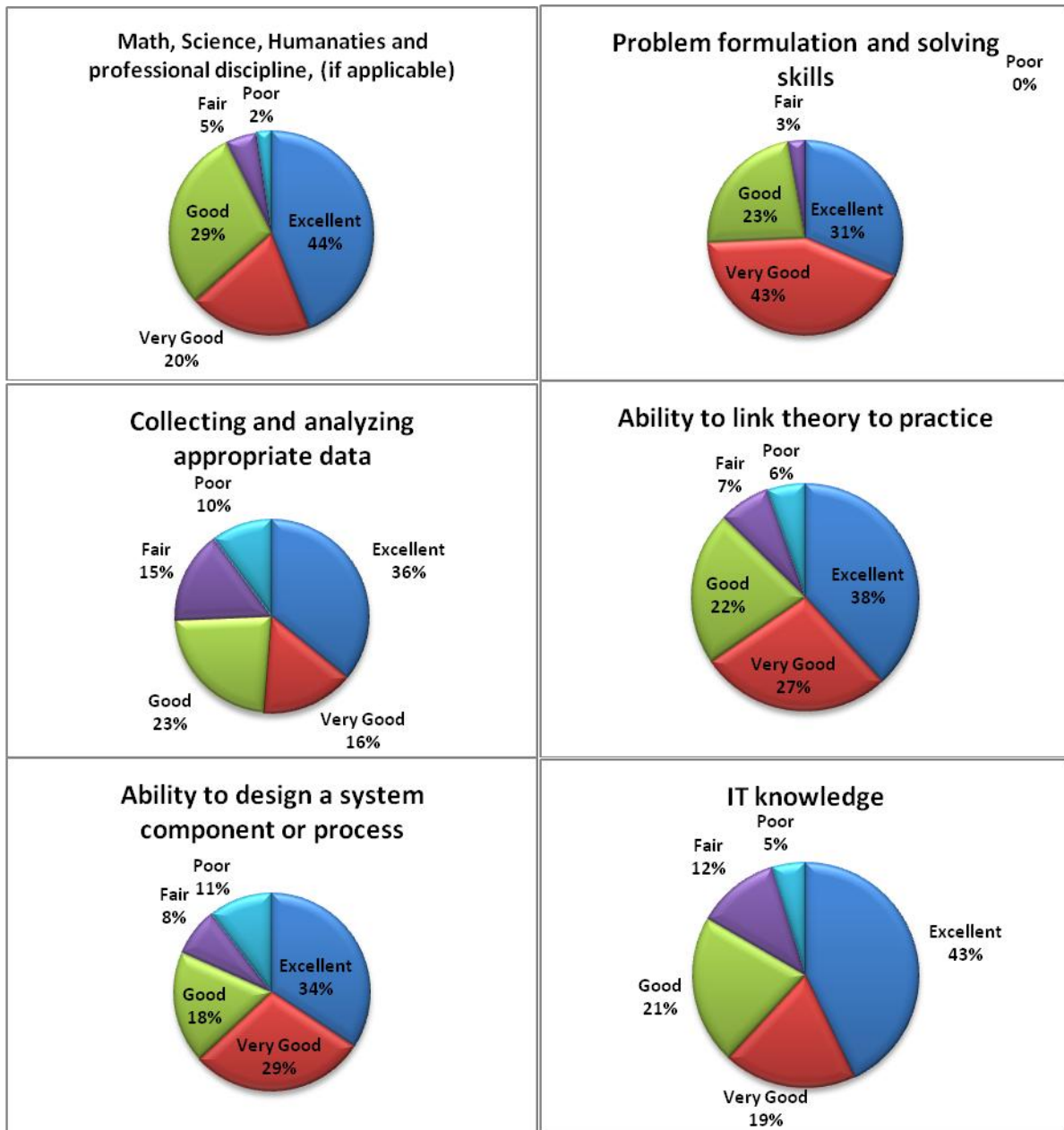


Figure 3: Knowledge

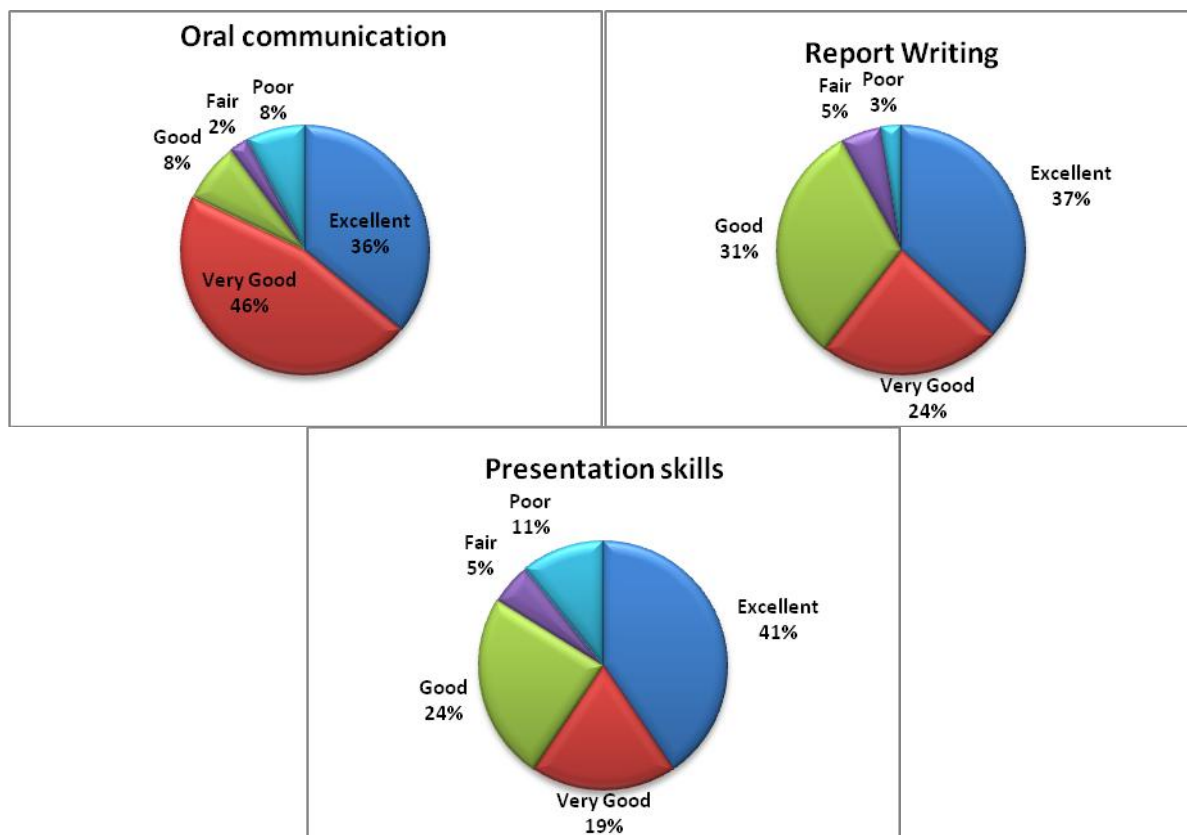


Figure 4: Communication Skills

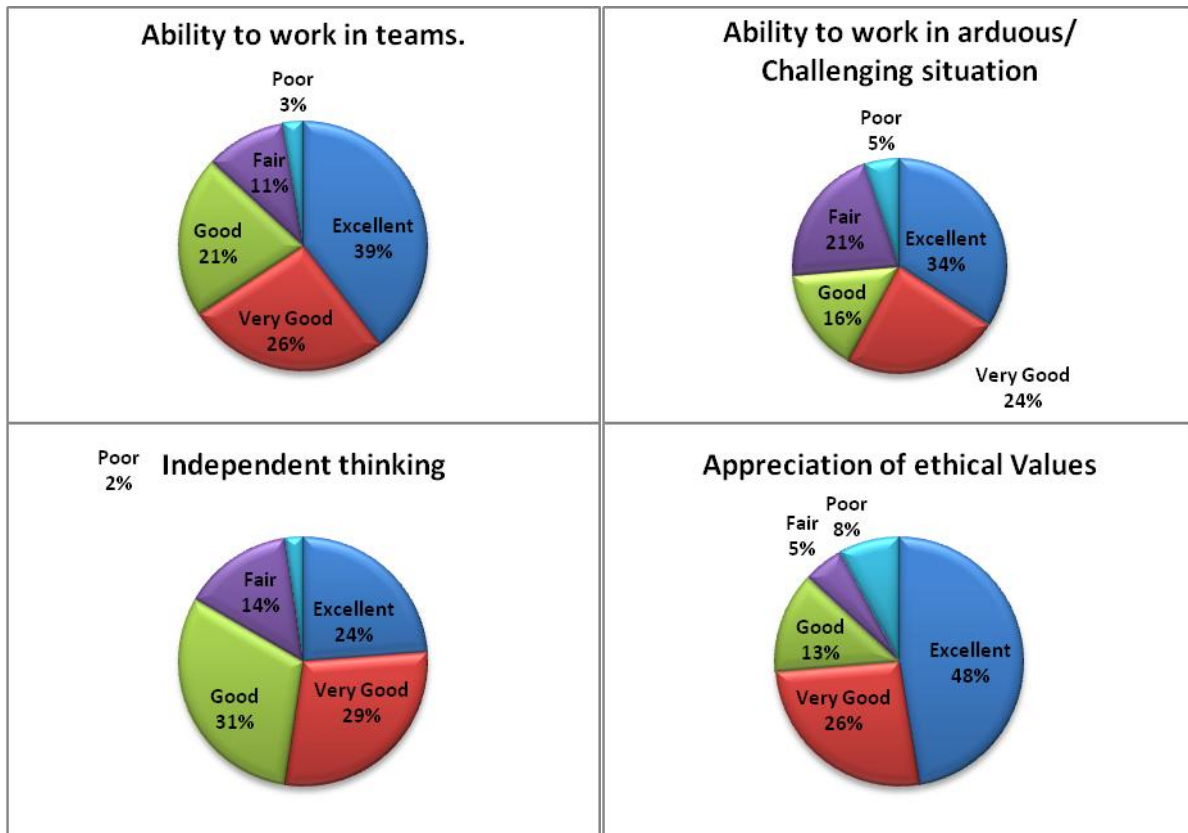


Figure 5: Interpersonal Skills

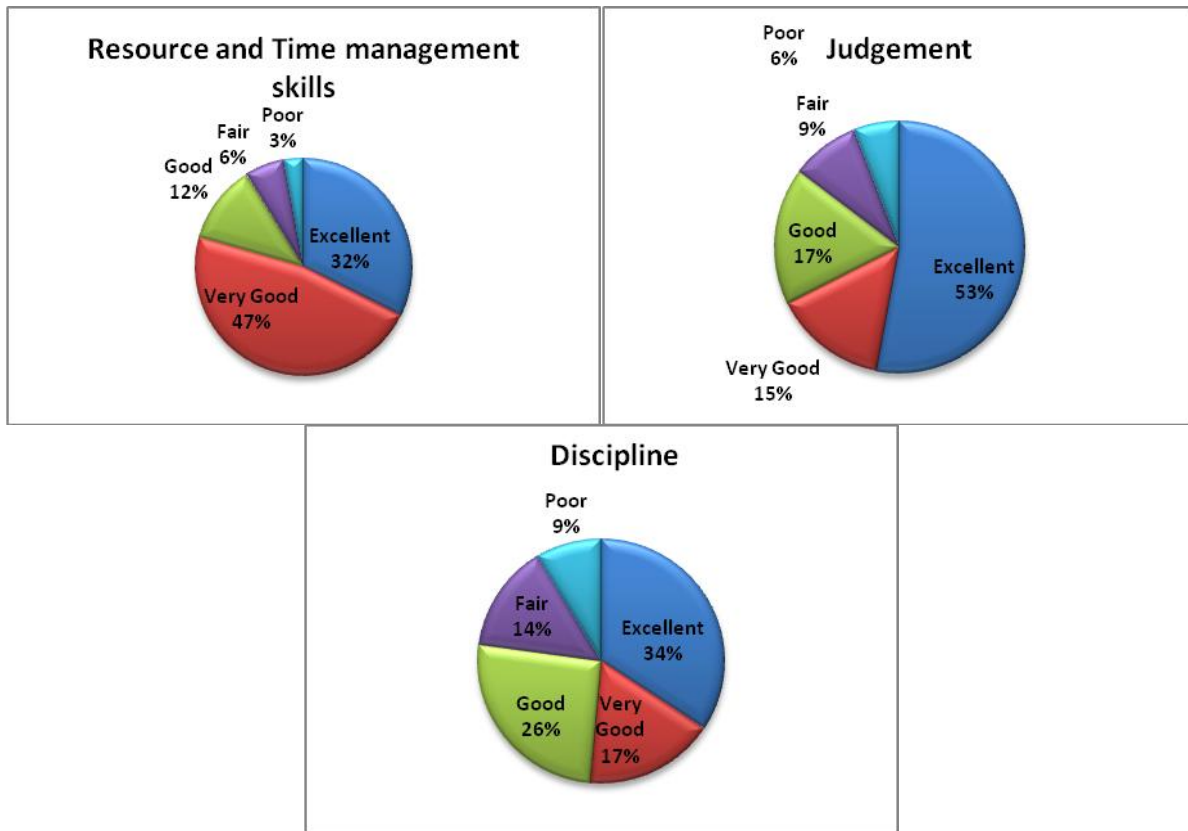


Figure 6: Management and Leadership Skills

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 41% students are very satisfied from program, 31% are satisfied, 13% are uncertain, 8% are dissatisfied and 6% are very dissatisfied.

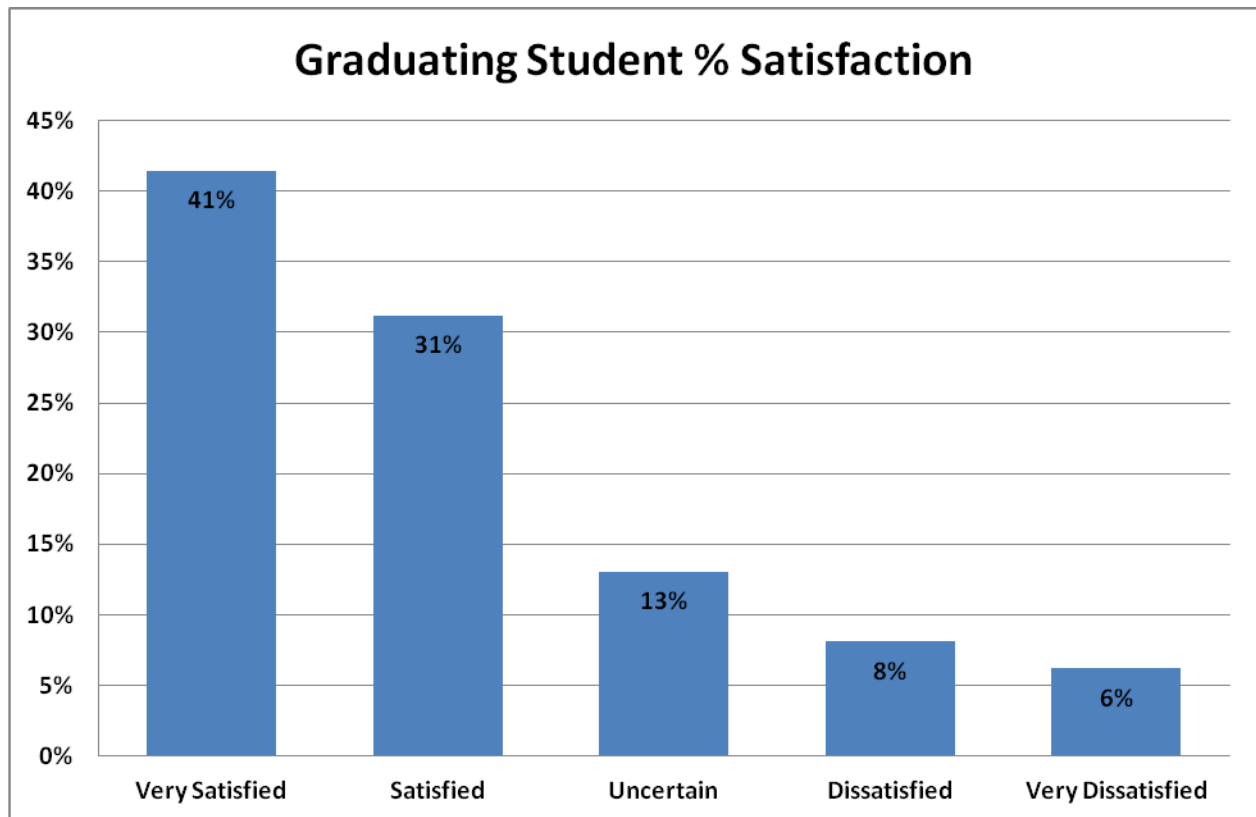


Figure 7: Survey of Graduating Students

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

Faculty	Publications in Journals	Publications in proceedings/abstracts	Research Projects
Ms. Aisha Umair	-	-	-
Mr. Syed Mushadd Gillani	-	6	-
Ms. Bushra Hamid	-	2	-
Mr. Yasir Hafeez	-	6	1
Ms. Rubina Ghazal	-	-	-
Mr. Muhammad Shabbir Hassan	1	3	1
Mr. Nasir Mehmood Minhas	1	8	-
Mr. Saqib Majeed	-	-	-

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

Sr. #	Particular	No.	Remarks
I	MCS degree awarded	121	For the year 2010 and 2011
ii	MS (CS) degree awarded	45	For the year 2010 and 2011
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.

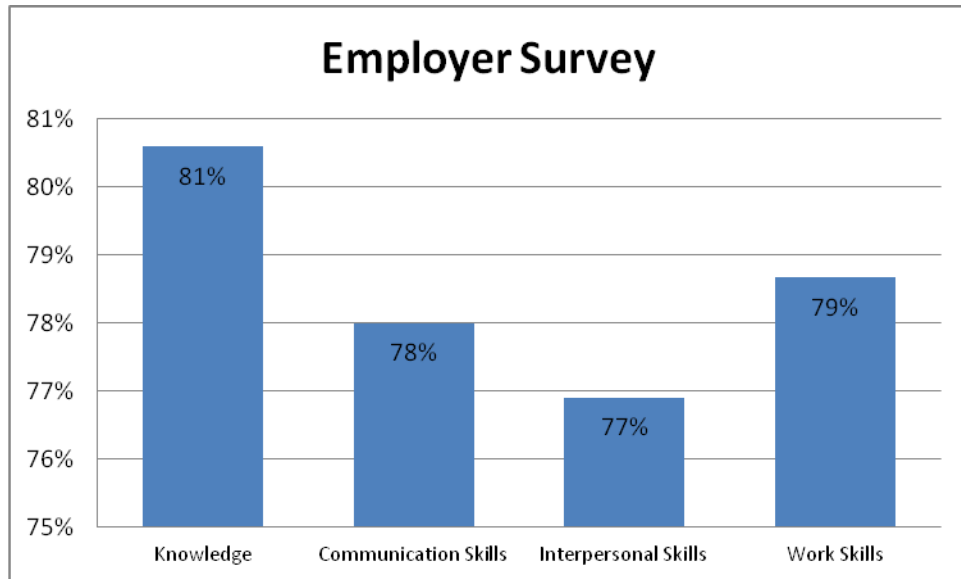


Figure 8: Employee Survey for Determining the Student's Skill Level

The graph shows the employees view regarding the students. The 81% students have enough knowledge regarding their field. The 78% have communication skills to communicate with the people of their own field. The 77% students have Interpersonal skills and 79% 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.

The Table below shows the categorization of courses which plays vital role in building theoretical background, problem analysis and designing a solution.

Division of Courses in Theoretical Background, Problem Analysis and Solution Design

Table 5(a) Detail of courses representing theoretical background, problem analysis and solution design

Element	Course Code	Course Title
Theoretical Background	ENG-705	English Comprehension
	CS-724	Software Engineering I
	CS-771	Computer Communication and Networks
	CS-729	Theory of Automata & Formal Languages
	ENG-715	Technical and Business Writing
Problem Analysis	CS-763	Digital Logic Design
	CS-774	Software Engineering II
	CS-733	Artificial Intelligence
Solution Design	CS-701	Programming Fundamentals
	CS-727	Object Oriented Programming
	CS-704	Database Systems
	CS-745	Data Structures and Algorithms
	CS-709	Web Design and Development
	CS-793	Modern Programming Languages
	CS-737	Computer Organization & Assembly Language
	CS-783	Visual Programming
	CS-784	Distributed Database Systems
	CS-782	System Programming
	CS-798	Software Project

Standard 2-3: The curriculum must satisfy the core requirements for the program, as specified by the respective accreditation body. Examples of such requirements are given in Table A.1, Appendix A.

The curriculum is designed according to the requirements of the Accreditation Council of Pakistan and is duly approved by the Academic Council of PMAS-AAUR.

Standard 2-4: The curriculum must satisfy the major requirements for the program as specified by HEC, the respective accreditation body / councils. Examples of such requirements are given in Table A.1, Appendix A.

The institute has its own faculty board comprising of ten members, one member from sister institute, two members from the academic council of PMAS-AAUR and seven members from faculty of UIIT. All courses of MCS degree are designed according to the defined standard of HEC by the said faculty board and curriculum is duly approved by the academic council of the university.

Standard 2-5: The curriculum must satisfy general education, arts, and professional and other discipline requirements for the program, as specified by the respective accreditation body / council. Examples of such requirements are given in Table A.1, Appendix A.

The course distribution in the curriculum of MCS is according requirements of Accreditation Council of Pakistan and HEC

Standard 2-6: Information technology component of the curriculum must be integrated throughout the program.

The degree of MCS is a computer science professional degree. The extensive programming and application courses are included in the degree. It includes major computer science, software engineering and information technology courses.

Table 5(b) Credit Hour Division between major areas

Category	Credit Hours
Required Computer Courses	66
Supporting Courses	6
Total Credit Hours	72

Standard- 2.7: Oral and written communication skills of the student must be developed and applied in the program.

To enhance the communication skills of students, UIIT has included a number of General Education courses as per HEC criterion.

Table 5(c) General Education Courses

Course Code	Course Title	Credit Hours
ENG-705	English Comprehension	3(3-0)
ENG-715	Technical Business Writing	3(3-0)

A number of seminars and workshops are arranged by the students and the faculty as part of the practical work of certain courses.

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	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
	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 Books	Total Journals (Give full details)	IEEE (Give full details)	ACM (Give full details)	
	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		

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

2008-09	2009-10	2010-11	2011-12
1:23	1:27	1:30	1:35

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					
22	3	16	0	01	09	09	-

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-11)	02	15	48	24	1:2
(Spring-12)	03	16	38	24	1:1.58

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)

Table 10: Result of Faculty Survey

S. No	Parameters	Dr. Zia Ul Qayyum	Mr. Sheeraz Akram	Mr. Nasir Mehmood Minhas	Ms. Irum Rubab	Ms. Fakhra Mushtaq	Mr. Malik Nadeem Ahmed	Mr. M. Nazir	Mr. Shehzad Saqib	Mr. Yasir Hafeez	Ms. Rubina Ghazal	Dr. M. Ramzan	Ms. Aisha Umair	Ms. Bushra Hamid	Mr. Syed Mushhad Gillani
1	Your mix of research, teaching and community service	B	B	B	B	B	B	B	B	B	B	B	B	B	B
2	The intellectual stimulations of your work.	B	B	B	B	A	B	B	B	B	B	B	B	B	B
3	Type of teaching /research you currently do.	B	B	A	B	B	B	B	B	B	B	B	B	B	A
4	Your interaction with students.	C	B	A	B	B	B	B	C	A	B	C	B	B	B
5	Cooperation you receive form colleagues.	B	B	A	B	A	B	C	C	C	B	B	B	C	B
6	The mentoring available to you.	B	C	B	B	B	C	B	C	B	C	B	B	C	C
7	Administrative support from the department.	B	B	B	C	B	B	B	B	B	B	B	C	C	B
8	Providing clarity about the faculty promotion process.	C	B	A	C	C	C	D	C	D	B	B	B	C	B

9	Your prospects for advancement and progress through ranks.	C	B	B	C	B	B	C	C	C	C	C	A	B	A
10	Salary and compensation package.	C	B	B	C	B	B	B	E	C	C	C	C	B	B
11	Job security and stability at the department.	C	B	B	B	B	B	B	B	B	C	C	B	C	A
12	Amount of time you have for yourself and family.	C	B	B	B	C	B	B	D	B	C	B	B	B	B
13	The over all climate at the department.	B	B	B	B	B	B	B	C	B	B	C	D	B	C
14	Whether the department is utilizing your experience and knowledge	C	B	B	C	B	C	B	B	B	B	C	B	B	D
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	New Building , Latest Equipment	NIL	MS and BS CS Program	Colleagues are well qualified and fresh in research, MS and BS CS Program	Available of Resources , Motivation for Higher Studies	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
16	Suggest programs/factors that could improve your motivation and job satisfaction?	It is better to offer new courses	Research Environment should be	NIL	Promotion of Research culture to give faculty a chance	The workload of the faculty should be	Need to improve Research Environment,	NIL	Different workshop related to IT should	NIL	NIL	NIL	NIL	NIL	NIL

		in the existing program s	improve d		for improving research.	–re- considere d	Research Grants should be provided to faculty members. Needs to organize conferenc e at National level at UIIT		be organize d.						
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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 2nd or 3rd 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

2008-09	2009-10	2010-11	2011-12
97	100	289	196

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

Total assets of the institution	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.								
Total endowment fund of the institution									
	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Yearly budget for the past five years	- Funded through Most projects	11.933M		16.425 M	18.105M	18.241M	13.107M	24.584M	25.409M
Institution's yearly budget for research and faculty development for the past five years	1.903M	0.80M	1.5M	1.0M	2.0M	2.0 M	1.049 M	1.168M	2.25M
Institution's yearly budget for library	Ministry of Science & Technology had sponsored the establishment of this institute through a development project of Rs 27.96 M -- all such expenditures for two years were met through that project.	0.400M		0.600M	0.400M	0.300M	0.350M	0.350M	0.400M

Institution’s yearly budget for computing facilities	As Above	0.560M		1M	0.300M	0.300M	0.150M	0.400M	0.400M
Total working capital of the institute/school/college that offers the program									
	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
The yearly budget of the institute/school/college that offers the program	As Above								
Institute/school/college’s yearly budget for research and faculty development for the past five years									
Fee Structure	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	
What are sources of income	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), introduced the institute and highlighted the significance of the said degree program. The programs' important features, objectives, outcomes and associated measures to assess those objectives, were each discussed in detail.

MCS is a 2 year degree program aiming to provide a swift coverage of important Computer Science courses pertinent to the master's level education. Therefore, selective courses are offered during the program, in accordance with the HEC requirements and international market trends, generally covering broader concepts and diverse topics at intermediate and advance levels. Moreover, the institute also includes some general courses in the curriculum of MCS to enhance the oral and written communication skills of the students.

A detailed discussion of the assessment of the objectives of the MCS degree program, based on specific criteria, was demonstrated in Table 1 along with the subsequent required actions. The Alumni Survey results showed a reasonable level of satisfaction of the students with the degree program which was further supported by the employers of our students (Employers Survey) who endorsed an approval of their abilities in different aspects of their professional work.

A survey conducted for the graduating students of last semester showed that 41% of the students were very satisfied with the program, 31% were satisfied, 13% were uncertain, 8% were dissatisfied, while 6% were very dissatisfied about it. It also highlighted the best aspects of the program which include a qualified faculty, Introduction to the new technologies, promotion of teamwork and enhancement of communication skills.

UIIT has a Full-Time Faculty Size of 22 but all the teachers are not involved with the MCS degree program due to the comparatively small number of courses for this program. Professional training and availability of adequate research and academic facilities are provided to the faculty members according to the limited available resources. The evaluation of MCS teaching faculty showed scores from 72% to 80%, while in Course evaluation; the teachers have scored from 70% to 85%.

Program Team Member

Coordinator: Dr. Sohail Asghar _____

Convener:	Ms. Hina Gul	_____
Members:	Mr. Saif Ur Rehman	_____
	Mr. Syed Mushhad Gilani	_____
	Mr. Asif Nawaz	_____

ANNEXURES

ANNEXURE I: ALUMNI SURVEY

The results of Alumni survey in table form are given below

		Excellent	Very Good	Good	Fair	Poor
I	Knowledge					
1	Math, Science, Humanities and professional discipline, (if applicable)	44%	20%	29%	5%	2%
2	Problem formulation and solving skills	31%	43%	23%	3%	0%
3	Collecting and analyzing appropriate data	36%	15%	23%	15%	10%
4	Ability to link theory to practice	38%	27%	22%	7%	5%
5	Ability to design a system component or process	34%	29%	18%	8%	11%
6	IT knowledge	43%	19%	21%	12%	5%
II	Communication Skills					
1	Oral communication	36%	46%	8%	3%	8%
2	Report writing	37%	24%	32%	5%	3%
3	Presentation skills	41%	19%	24%	5%	11%
III	Interpersonal Skills					
1	Ability to work in teams.	39%	26%	21%	11%	3%
2	Ability to work in arduous/Challenging situation	34%	24%	16%	21%	5%
3	Independent thinking	24%	29%	31%	14%	2%
4	Appreciation of ethical Values	47%	26%	13%	5%	8%
IV	Management/Leadership Skills					
1	Resource and Time management skills	32%	47%	12%	6%	3%
2	Judgment	53%	15%	18%	9%	6%
3	Discipline	34%	17%	26%	14%	9%
V	General Comments					
VI	Career Opportunities					
VII	Department Status					
1	Infrastructure	45%	32%	16%	0%	6%
2	Faculty	47%	26%	21%	5%	0%
3	Repute at national level	45%	34%	14%	0%	7%
4	Repute at International level	47%	24%	29%	0%	0%

ANNEXURE II: GRADUATING STUDENTS SURVEY

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

1	The work in the program is too heavy and induces a lot of pressure.	36%	30%	24%	6%	3%
2	The program is effective in enhancing team-work abilities.	45%	24%	18%	3%	9%
3	The program administration is effective in supportive learning	25%	31%	25%	13%	6%
4	The program is effective in developing analytical and problem solving skills.	33%	43%	13%	7%	3%
5	The program is effective in developing independent thinking.	39%	29%	10%	16%	6%
6	The program is effective in developing written communication skills.	26%	41%	15%	9%	9%
7	The program is effective in developing planning abilities.	42%	19%	22%	6%	11%
8	The objectives of the program have been fully achieved.	50%	32%	9%	3%	6%
9	Whether the contents of curriculum are advanced and meet program objectives.	43%	31%	10%	14%	2%
10	Faculty was able to meet the program objectives.	65%	23%	3%	6%	3%
11	Environment was conducive for learning	38%	47%	3%	3%	9%
12	Whether the infrastructure of the department was good	52%	21%	9%	12%	6%
13	Whether the program was comprised of Co-curricular and extra-curricular activities	34%	31%	16%	9%	9%
14	Whether scholarships/grants were available to students in case of hardship.	51%	34%	6%	6%	3%

ANNEXURE III: EMPLOYER SURVEY

The results of Employer Survey in tabular form are given below

		Excellent	Very Good	Good	Fair	Poor
I	Knowledge					
1	Math, Science, Humanities and professional discipline, (if applicable)	47%	31%	19%	3%	0%
2	Problem formulation and solving skills	41%	28%	17%	7%	7%
3	Collecting and analyzing appropriate data	47%	28%	3%	19%	3%
4	Ability to link theory to practice	39%	29%	13%	13%	6%
5	Ability to design a system component or process	50%	25%	13%	0%	13%
6	Computer knowledge	68%	14%	9%	5%	5%
II	Communication Skills					
1	Oral communication	42%	26%	16%	10%	6%
2	Report writing	35%	35%	24%	6%	0%
3	Presentation skills	45%	23%	9%	18%	5%
III	Interpersonal Skills					
1	Ability to work in teams.	28%	44%	20%	0%	8%
2	Leadership	33%	21%	17%	25%	4%
3	Independent thinking	48%	29%	0%	10%	14%
4	Motivation	55%	20%	10%	15%	0%
5	Reliability	32%	32%	5%	21%	11%
6	Appreciation of ethical values	50%	20%	30%	0%	0%
IV	Work Skills					
1	Time management skills	45%	34%	7%	10%	3%
2	Judgment	43%	29%	29%	0%	0%
3	Discipline	40%	20%	16%	8%	16%

ANNEXURE IV: FACULTY RESUME

Performa 9

Faculty Resume



Name	Dr. Sohail Asghar
Personal	Director University Institute of Information Technology PMAS-Arid Agriculture University, 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	i. Data Mining and Business Intelligence ii. Decision Support Systems iii. Model Management and Disaster Management Systems iv. Operational Research
Publications	92

Performa 9



Faculty Resume

Name	Sheeraz Akram
Personal	Office # 05, UIIT, PMAS-Arid Agriculture University Rawalpindi Home #: Mobile: 0300-8532782 E-mail: sheeraz@uaar.edu.pk sheeraz.cs@gmail.com
Experience	September 2009 – to date Assistant Professor, Computer Science, PMAS Arid Agriculture University, Rawalpindi September 2006 – September 2009 Lecturer, Department of Computer Science, GIFT University Gujranwala
Honor and Awards	
Memberships	
Graduate Students Undergraduate Students Honor Students	I have supervised 2 Final year projects of MCS and one Final Year project of MIT students. 1 MS thesis under my supervision.
Service Activity	Coordinator QEC at UIIT Coordinator BS CS (Morning) Program at UIIT
Brief Statement of Research Interest	In MS CS, my main focus was on Image and Video compression and 3D video. Now I am working in area of Medical Image Processing, Theoretical CS. Computer Vision. In PhD I am working in Medical Image Processing



Faculty Resume

Name	Nasir Mehmood Minhas
Personal	Room # 22, UIIT, Arid Agriculture University, Rawalpindi, 0333-5651973
Experience	Jan 2008– Current UIIT, Arid Agriculture University Rawalpindi Assistant Professor, Coordinator BS (IT) Program Major course taught during my tenure at UIIT so far include: BS • Operating System Concepts • Software Engineering (I & II) • Database Systems • Distributed Database Systems • Data Structures & Algorithms • Web Design & Development • Introduction to Computing 2001– 2008 ICMS (ASC AIOU) Rawalpindi
Publications	8

Performa 9



Faculty Resume

Name	Iram Rubab
Personal	House No 1185, Street No 12, G-11/1 Islamabad. Ph.No : 0321-5307644 Email: iram@uaar.edu.pk
Experience	• Sep 2008 to Date as Lecturer in UIIT-AAUR
Memberships	• Coordinator for ACM Students Chapter at UIIT • Member ACM
Students	4
Service Activity	• Teaching and Research Activities at UIIT • Project Coordinator for BS(CS)/BS(IT)/MCS/MIT Final year projects • Organization of Seminars and workshops at UIIT • Organization of co curricular activities at UIIT
Brief Statement of Research Interest	My Research interests include • Model Driven Architecture • Model Based Testing • Formal Specification based Development and Testing
Publications	• 2

Performa 9



Faculty Resume

Name	Fakhra Mushtaq
Personal	House No. 1-A, Street No.22 , F-8/2, Islamabad ,Pakistan Home #: 051-2515161 Mobile: 0333-5346269 E-mail: fakhra@uaar.edu.pk fakhramalik2002@yahoo.com
Experience	Feb 2007 – to date Lecturer – PMAS Arid Agriculture University July 2005 – August 2005 Internee Accountant - Anwar Khawaja Industries (Pvt) Ltd Sialkot, (Pakistan)
Honor and Awards	Scholarship Awarded scholarship in BBA (Hons) – ITM Scholarship Awarded scholarship in MBA Merit Certificate Awarded for securing First position in Bachelor's Degree. Merit Certificate Awarded for securing Second position in Master's Degree.
Memberships	List memberships in professional and learned Societies, indication offices held, committees, or other specific assignments.



Faculty Resume

Name	Muhammad Nazir
Personal	Room # 23, UIIT, Arid Agriculture University, Rawalpindi, 0333-5263675
Experience	2008– Current UIIT, Arid Agriculture University Rawalpindi Major course taught during my tenure at UIIT so far include: MCS • Artificial Intelligence • Data structures and Algorithms • Distributed Databases • Discrete Structures
Graduate Students Undergraduate Students Honor Students	• 4 MS students currently under supervision for their MS Thesis
Publications	9



Performa 9

Faculty Resume

Name	Yasir Hafeez
Personal	University Institute of Information Technology, PMAS - Arid Agriculture University, Rawalpindi, Cell: 0333-5146356 Email: yasir@uaar.edu.pk
Experience	Current Position Jan 2010 - Todate Assistant Professor (IT) University Institute of Information Technology, PMAS-Arid Agriculture University Rawalpindi.
Honor and Awards	- Participated in the workshop on “Case Teaching Methodologies” held during March 2007 at Higher Education Commission (HEC), Islamabad, Organized by HEC. - CISCO Networking Academy Program (CCNA) successfully completed all modules. - Participated in International Conference on “The Future of Schools and Education” held during November 2005 at Islamabad, organized by Beacon House School System. - Attended first International Seminar on “Capability Maturity Model Integration” held during March 2008 at College of Electrical and Mechanical Engineering (NUST).



Proforma 9

Faculty Resume

Name	Rubina Ghazal
Personal	Phone: +92-51-9290154 Email: rubinaghazal@uaar.edu.pk
Experience	Sep. 2006 to date Assistant Professor University Institute of Information Technology, PMAS Arid Agriculture University, Rawalpindi. 13 Feb 2002 - 12 Feb 2005 Lecturer Department of Computer Science, University of Agriculture, Faisalabad. 1 Jan 2000 - 31 Jan 2002 Lecturer College of Professional Studies Faisalabad
Education	MS-CS (Software Engineering) MSc. Computer Science
Courses	Software Engineering-I, Software Engineering-II, Digital Logic and Design, Data Structure and Algorithms, C++, Java, Operating Systems
Research Interests	Model-Driven Software Development, Agent programming, Modeling of Gene Expression Patterns.
Memberships	- Member of Harassment Committee of Arid Agriculture University Rawalpindi. - Member of Committee for code of conduct at campus in Arid Agriculture University Rawalpindi
Service Activity	Teaching to BS-CS, BS-IT, MCS and MIT students and supervising in their final year projects. And all other activities assigned by the Institute or University.



Performa 9

Faculty Resume

Name	Muhammad Ramzan
Personal	Room # 111, UIIT, Arid Agriculture University, Rawalpindi, 0332-5142505
Experience	2009– Current UIIT, Arid Agriculture University Rawalpindi Assistant Professor, Coordinator Higher Studies Board Major course taught during my tenure at UIIT so far include: MS • Introduction to Formal Methods and Specifications • Requirement Engineering I have taught the following course at IST, Islamabad. • Software Engineering • Technical Writing
Honor and Awards	• Chaired the most successful open house (2010) of UIIT • Member of UIIT study board
Honor Students	19
Publications	19



Faculty Resume

Name	Aisha Umair
Personal	Address House # 263-G, Block- E, Satellite Town Rawalpindi. Pakistan Mobile No. +92-322-5054264
Experience	May 2009-to date Lecturer Pir Mehr Ali Shah Arid Agriculture University, UIIT Rawalpindi.
Graduate Students	Years Degree Name
Undergraduate	2010 BS (CS) Rabia Awan, Ruqayya Awan, Mohammad Afzaal Khan
Students	2010 BS (CS) Muhammad Azeem, Muhammad Waqas, Kaleem Ullah
Honor Students	2010 MCS Adnan Mehmod, Nosheen Manzoor
	2010 MCS Tahir Ali, Afshan Gulzar, Misbah Hafeez, Muhammad Raheel
	2010 MCS Safeer Israr, Sehrish Rasool, Sohail Bashir Chughtai, Muhammad Sajjad



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 nd Position in class in MCS		
Memberships	N/A		
Graduate Students	Years	Degree	Name
Undergraduate Students	2010	PGD(IT)	Abdul Raziq, Muzzamil Ahmed, M. Waris Bhatti
Honor Students	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, Nazia Khaliq
Service Activity	N/A		



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



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Faculty Resume

Name	Saqib Majeed
Personal	UIIT, University institute of Information Technology, Muree Road Rawalpindi Email: saqib@uaar.edu.pk
Experience	Lecturer 2006 to Date PMAS, Arid Agriculture University Rawalpindi Research Associate 3 Year experience PMAS, Arid Agriculture University Rawalpindi
Memberships	
Graduate Students Undergraduate Students ,Honor Students	Under Graduate Students I have supervised multiple undergraduate projects in my career.
Service Activity	Teaching and Research Activities at UIIT

ANNEXURE V: FACULTY COURSE REVIEW REPORT

Faculty course review report for the courses those have been evaluated either in Teacher evaluation or in Student course evaluation.

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:	2009	Semester:	Fall		
Credit Value:	3(3-0)	Level:	MCS-3	Prerequisites:	
Name Of Course Instructor:	Sheeraz Akram	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	29	10%	26.67%	33.33%	23.33%		6%			

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: Sheeraz Akram Date _____
(Course Instructor)
Name: Dr. Sohail Asghar 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:	2009	Semester:	Fall		
Credit Value:	4(3-3)	Level:	MCS-1	Prerequisites:	
Name Of Course Instructor:	Bushra Hamid	No. of Students Contact Hours	Lectures (3 hours) Labs (3 lab hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term, labs, practical's				

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	52	2	4	12	22				1	

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 structure of the Course that this semester/term's experience may prompt.

Name: Bushra Hamid Date _____

(Course Instructor)

Name: Dr. Sohail Asghar 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-724	Title:	Software Engineering-I		
Session:	2009	Semester:	Fall		
Credit Value:	3(2-3)	Level:	MCS-3	Prerequisites:	
Name Of Course Instructor:	Yasir Hafeez	No. of Students Contact Hours	Lectures (2 hours) Labs (3 hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc.)	Quizzes, Assignment, Mid Term, Final term, labs, practical				

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	58	10.34%	55.17%	24.14%	5.17%		5.17%			

Overview /Evaluation (Course Co-Coordinator's Comments) Feedback: first Summarize, then comment feedback received from: (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 structure of the Course that this semester/term's experience may prompt.

Name: Yasir Hafeez Date _____

(Course Instructor)

Name: Dr. Sohail Asghar 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-708	Title:	Discrete Structures		
Session:	2009	Semester:	Fall		
Credit Value:	4(3-3)	Level:	MCS-3	Prerequisites:	
Name Of Course Instructor:	Muhammad Nazir	No. of Students Contact Hours	Lectures (3 hours) Labs (3 hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc.)	Quizzes, Assignment, Mid Term, Final term, labs, practical				

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	57	3	8	23	16		7			

Overview /Evaluation (Course Co-Coordinator's Comments) Feedback: first Summarize, then comment feedback received from: (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 structure of the Course that this semester/term's experience may prompt.

Name: Muhammad Nazir Date _____

(Course Instructor)

Name: Dr. Sohail Asghar 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-724	Title:	Software Engineering-I		
Session:	2009	Semester:	Fall		
Credit Value:	3(2-3)	Level:	MCS-1	Prerequisites:	
Name Of Course Instructor:	Aisha Umair	No. of Students Contact Hours	Lectures (2 hours) Labs (3 hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term, labs, practical				

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	52	1	20	24	5		2			52

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 structure of the Course that this semester/term's experience may prompt.

Name: Aisha Umair Date _____

(Course Instructor)

Name: Dr. Sohail Asghar 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-733	Title:	Artificial Intelligence		
Session:	2009	Semester:	Fall		
Credit Value:	3(2-3)	Level:	MCS-3	Prerequisites:	
Name Of Course Instructor:	Dr. Zia Ul Qayyum	No. of Students Contact Hours	Lectures (2 hours) Labs (3 hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term, labs, practical				

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	9	0	2	5	1		1			

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 structure of the Course that this semester/term's experience may prompt.

Name: Dr. Zi ul Qayyum Date _____

(Course Instructor)

Name: Dr. Sohail Asghar Date _____

(Director)