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Arid Agriculture University, Rawalpindi

Self-Assessment Report for BSSE

Barani Institute of Management Sciences

Session: 2022-2024

Self-Assessment Report

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Convener:	**Ms. Farah Naz Anika**
Members:	**Mr. Umair Kazmi**
	Ms. Maryam Bibi

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INTRODUCTION

Software Engineering and Computing are fundamental components of modern society, driving innovation and transformation in research, development, and discovery across various fields of engineering and science. As the world becomes increasingly digital, the societal impact of computing continues to expand. The pervasive influence of computing technologies is evident in all sectors, from healthcare and finance to education and entertainment. Technologies such as many-core processors, mobile computing, and cloud computing are at the forefront of this transformation, reshaping the landscape of modern computing. As new challenges emerge, particularly with the growing complexity and interconnectivity of systems, Software Engineering becomes ever more multidisciplinary. This evolving landscape demands professionals with cutting-edge skills capable of navigating the rapid pace of technological advancement. Consequently, there is an increasing demand for highly skilled Software Engineers across diverse industries, underscoring the significance of a comprehensive education in this field.

A Software Engineering department is a cornerstone of Barani Institute of Management Sciences' (BIMS) mission to become a world class institution that prepares students to make meaningful contributions to the advancement of society. Established in 2013, BIMS was founded with the vision of providing high quality, innovative education across a range of disciplines, including Management Sciences, Software Engineering, and the Social and Natural Sciences. The institute is committed to producing graduates who are not only technically proficient but also capable of solving complex problems in various sectors through the application of Software Engineering and Computer Science principles.

BIMS recognizes that the field of Software Engineering is dynamic and rapidly evolving, and as such, the BS in Software Engineering program aims to equip students with the practical knowledge, technical expertise, and marketable skills necessary to succeed in the fast-paced, technology-driven workforce. The program is designed to offer students a comprehensive understanding of the core concepts and principles of Software Engineering, while also providing specialized competencies in emerging technologies and contemporary industry practices. The curriculum is regularly updated to reflect the latest developments in the field, ensuring that students are exposed to state-of-the-art tools, techniques, and methodologies. By doing so, the program ensures that its graduates are not only technically proficient but also flexible, adaptable, and well-prepared to navigate the challenges of an ever-changing technological landscape.

Beyond the core technical courses, the program also includes a range of general education and science courses. These courses are designed to broaden students' knowledge base, foster critical thinking, and enhance their communication and problem-solving skills. The general education component includes courses in the humanities, social sciences, and mathematics, which help students develop a well-rounded

perspective and a deeper understanding of the world in which they will work. The science courses, meanwhile, focus on the mathematical and scientific foundations of Software Engineering, helping students to build the analytical and logical reasoning skills necessary for tackling complex engineering challenges.

In response to the rapid advancements in the field of Software Engineering, BIMS ensures that its curriculum is continually revised and updated to incorporate emerging technologies and trends. This approach enables students to gain exposure to cutting-edge tools and platforms, which enhances their employability and prepares them to meet the evolving demands of the job market. Recent updates to the curriculum include the incorporation of cloud computing, artificial intelligence, data analytics, and machine learning, among other emerging topics. These additions help students stay ahead of industry trends and provide them with the knowledge and skills needed to work with the latest technologies.

BIMS is also committed to providing students with opportunities for hands-on experience and professional development. The program offers a variety of study tracks and specialized programs designed to enhance students' practical skills and career opportunities. These tracks include Software Development, Web Engineering, Software Project Management, Networking, and more. These programs not only provide students with specialized knowledge but also prepare them to work in real-world scenarios, where they can apply their skills in diverse professional environments. Through internships, project-based learning, and collaboration with industry partners, students gain valuable exposure to the challenges and opportunities of the Software Engineering field.

BIMS is committed to providing a high quality, forward thinking education in Software Engineering that prepares students to excel in a rapidly changing technological landscape. Through its dynamic curriculum, specialized programs, and strong connections with industry professionals, the institute ensures that its graduates are well-equipped with the skills, knowledge, and competencies necessary to succeed in the field of Software Engineering

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 in BIMS.

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

Mission Statements:

BIMS mission is to provide a comprehensive, high-quality education in Software Engineering that prepares students to design, develop, and maintain complex software systems. Through a curriculum rooted in theory and hands-on experience, we aim to cultivate problem-solving, critical thinking, and teamwork skills while promoting ethical responsibility and lifelong learning. Our graduates will be equipped to innovate, lead, and contribute to the advancement of technology in a rapidly evolving global society.

Program Objectives:

The main elements which are present in the plan to achieve the program objectives are listed below:

1. Equip students with a solid foundation in software development, programming languages, and technologies, enabling them to create efficient, scalable, and secure software systems.
2. Teach students how to analyze complex problems and develop creative, practical solutions using modern software engineering practices.
3. Prepare students to work effectively in diverse teams, fostering collaboration, communication, and leadership skills in group projects.
4. Equip students with the skills and knowledge to solve real-world problems and meet the demands of the software industry, including working with clients, managing software projects, and adhering to deadlines.
5. Enable students to communicate technical ideas clearly to both technical and non-technical stakeholders, whether through documentation, presentations, or written reports.

Table 1: Programs' Objectives Assessment

Sr#	Objective	How Measured	When Measured	Improvement Identified	Improvement Made
1	Foundation in software development, programming languages, and technologies	Quizzes, Assignment , Exams , Peer review and Coding evaluation	During Last Semester	Instructor Feedback	Peer Learning and Mentorship
2	Analyze complex problems and develop creative, practical solutions	Problem solving assignments , Case studies and Coding Assessment	Continuous Projects and Assignments	Peer reviews, long-term progress tracking (comparing early and final-year work), and industry feedback.	Workshops or Practice Sessions
3	Prepare students to work effectively in diverse teams, fostering collaboration	Communication evaluations (written and oral), leadership role assessments, and individual self-reflections.	Through out the program	Tracking improvement over the course of the program, and gathering feedback from alumni.	Instructor feedback, self-reflection reports, team-building exercises

4	Solve real-world problems and meet the demands of the software industry	Through real world problem solving projects and internship evaluations	During the program through project based assessmen ts	Check long term progress through increasingly complex projects	Workshops, and mentorship opportunities
5	Communicate technical ideas clearly to both technical and non-technical stakeholders	Through written reports, project documentation and presentations	Project based learning, presentations	Tracking improvement in written and verbal communication	An open house decided to be organized regularly every

Program Learning Outcomes

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

1. Knowledge and Understanding of Software Engineering Principles

1.1. Graduates will demonstrate a solid understanding of core software engineering principles, concepts, and practices, including software development methodologies, system design, software testing, and quality assurance.

1.2. An ability to apply fundamental software engineering principles to design, implement, and test software systems.

2.Problem Analysis and Solution Design

2.1. They will be capable of analyzing complex software engineering problems and developing effective and innovative solutions by applying appropriate methods, tools, and techniques.

2.2. Graduates will be able to evaluate user requirements, analyze complex problems, and design software solutions that are feasible, scalable, and maintainable.

2.3. Analyze and evaluate the performance of algorithms and data structures suitable for software engineering solutions.

3. Software Development and Implementation Skills

3.1 Graduates will be proficient in the use of various programming languages, tools, and software development frameworks to develop software systems that meet specified requirements.

3.2 Graduates will be able to write efficient, maintainable, and secure code in multiple programming languages, applying industry-standard development tools and environments.

4. Continuous Learning and Adaptability

4.1 students will demonstrate the ability to continuously learn and stay up-to-date with emerging technologies, tools, and industry trends to adapt to the evolving field of software engineering.

4.2 Graduates will be able to engage in lifelong learning by staying current with emerging technologies and trends and applying new knowledge to solve software engineering challenges.

5. Quality Assurance and Software Testing

5.1 Apply software testing techniques and quality assurance practices to ensure the reliability, security, and performance of software systems.

5.2 They will be able to design, execute, and document test cases, conduct debugging and troubleshooting, and apply quality assurance practices to ensure robust software.

6. Ability to be responsible practitioners of software engineering, understanding the social and ethical implications of software development, with the ability to:

6.1 Identify ways in which software engineering raises new ethical questions and dilemmas.

6.2 Recognize and address ethical issues related to the software engineering profession, applying appropriate ethical frameworks when necessary.

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 can perform these outcomes.

Table 2: Program Outcomes and Their Relationship with Objectives

	Objectives

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

+ Little or no low relevance

 ++ Satisfactory

+++ Highly Satisfactory

PROGRAM ASSESSMENT RESULTS

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

Teacher Evaluation

This evaluation deal with the student's perspective of the teacher who taught courses of BSCS . The summarized results of the teachers who are teaching courses in the BS CS degree program are given in the graph below. Dr. Zafar has scored 85%, Dr. Javaid Ullah has scored 85%. Dr. Rehan Masood has scored 90%, Dr. M. Shahid has scored 82, Mr. Iftikhar has scored 85%. Mr. Seemab Janjua has scored 90%. Mr. Noman Al Hassan has scored 92%, Mr. Haroon Ur Rasheed has scored 89%, Mr. Fazal Rehman Shamil has scored 84%, Ms. Safina Bashir has scored 81%, Ms. Qurat-ul-Ain Alam has scored 80%. Ms. Saira Sultana has scored 91%. Mr. Tayyaba Kalsoom has scored 92%. Ms. Kiran Saeed has scored 82%, Ms. Sadia Zar has scored 85%. Mr. Sohail Ahmed has scored 82%. Ms. Sumaira Aslam 90%. The comparison of their score is shown below.

Figure 1: Teacher Evaluation Graph
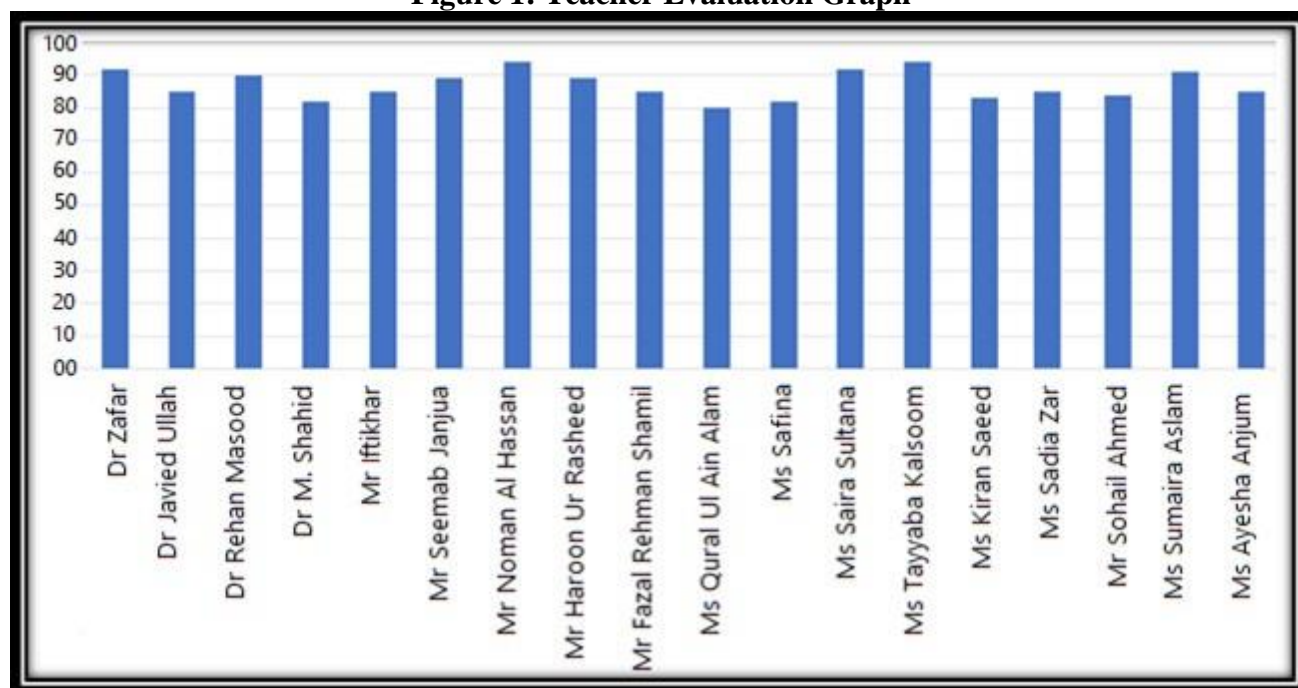
A detailed evaluation of teachers is given below.

Ms. Farah Naz Anika

The graph for "The Instructor's effort to maintain discipline.", shows that 68% are strongly agreed, 43% are agreed, 30% are uncertain, 2% disagreed and 10% are strongly disagreed. The graph for "The subject matter presented in the course has increased your knowledge of the subject" shows that 90% are strongly agreed, 70% are agreed, 45% are uncertain, 8% disagreed and 1% are strongly disagreed. The graph for "The communication of course breakdown with students and coverage of course according to breakdown", shows that 75% are strongly agreed, 10% are agreed, 8% are uncertain, 1% disagreed and 2% are strongly disagreed. The graph for "Number of quizzes assignments taken with correspondence to course breakdown", shows that 75% are strongly agreed, 50% are agreed, 5% are uncertain, 13% disagreed and 2% are strongly disagreed.
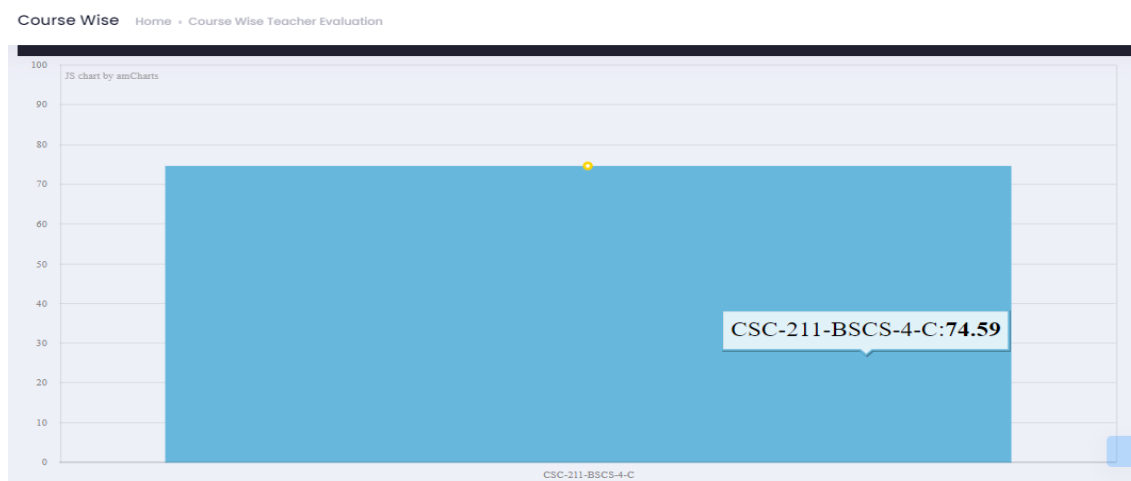
General Comments of the Students about the Teacher Strengths:

- Good grip at course
- Punctual
- Fair in examination
- Good Teaching method

Weakness:

No significance weakness was found.

Ms. Muneeba Islam

The graph for "The subject matter presented in the course has increased your knowledge of the subject" shows that 80% are strongly agreed, 75% are agreed, 43% are uncertain, 21% disagreed and 2% are strongly disagreed. "The instructor is prepared for each class", shows that 57% are strongly agreed, 60% are agreed, 50% are uncertain, 16% disagreed and 1% are strongly disagreed. The graph for "The subject matter presented in the course has increased your knowledge of the subject" shows that 80% are strongly agreed, 67% are agreed, 42% are uncertain, 21% disagreed and 1% are strongly disagreed. The graph for "The communication of course breakdown with students and coverage of course according to breakdown", shows that 70% are strongly agreed, 57% are agreed, 70% are uncertain,60% disagreed and 1% are strongly disagreed. ''The Instructor provides additional material apart from text", shows that 71% are strongly agreed, 26% are agreed, 42% are uncertain, 3% disagreed and 1% are strongly disagreed. The graph for "The instructor maintains an environment that is conducive to learning.", shows that 97% are strongly agreed, 43% are agreed, 24% are uncertain,9% disagreed and 5% are strongly disagreed.

General Comments of the Students about the Teacher Strengths:

- Course intend delivered well

- Instructor demonstrate the knowledge of subject very well

- Instructor provides additional material apart from the text

- Fair marking

- Kind teacher

Weakness:

- No significant weakness was found.

Mr. Masim Ali

The graph for "The instructor timely quizzes and assignments.", shows that 90% are strongly agreed, 35% are agreed, 0% are uncertain, 3% disagreed and 2% are strongly disagreed. The graph for "The subject matter presented in the course has increased your knowledge of the subject" shows that 80% are strongly agreed, 71% are agreed, 45% are uncertain, 35% disagreed and 1% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 34% are strongly agreed, 60% are agreed, 50% are uncertain, 17% disagreed and 9% are strongly disagreed. The graph for ''The Instructor provides additional material apart from text", shows that 79% are strongly agreed, 34% are agreed, 43% are uncertain, 3% disagreed and 8% are strongly disagreed.

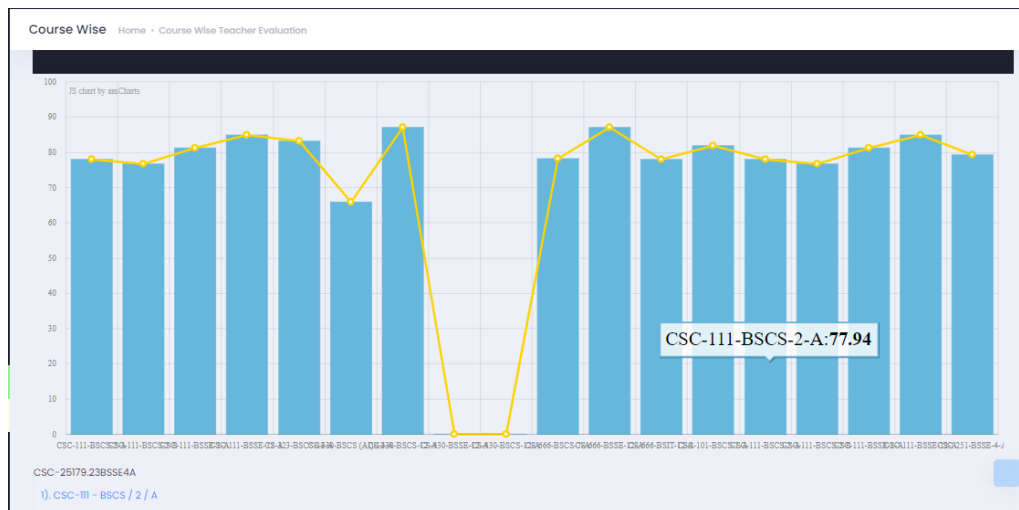**General Comments of the Students about the Teacher**

Strengths:

•   Well prepared

•   Instructor demonstrate the knowledge of subject very well

•   Good teaching method

Weakness:

•   No significant weakness was found.

Ms. Sana Karamat

The graph for "The instructor maintains an environment that is conducive to learning." shows that 79% are strongly agreed, 42% are agreed, 23% are uncertain, 6% disagreed and 4% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 65% are strongly agreed, 60% are agreed, 50% are uncertain, 15% disagreed and 1% are strongly disagreed. The graph for ''Timely return quizzes and assignments'' shows that 90% are strongly agreed, 50% are agreed, 5% are uncertain, 6% disagreed and 2% are strongly disagreed. "The Instructor provides additional material apart from text", shows that 79% are strongly agreed, 31% are agreed, 42% are uncertain, 2% disagreed and 1% are strongly disagreed.

General Comments of the Students about the Teacher Strengths:

- Handles queries very well

- Understands students' problems

- Makes time for students

Weakness:

- No significant weakness was found.

Mr. Ibran Hussain

The graph for "The subject matter presented in the course has increased your knowledge of the subject" , shows that 80% are strongly agreed, 70% are agreed, 42% are uncertain, 21% disagreed and 1% are strongly disagreed. The graph for ''Timely return quizzes and assignments'' shows that 60% are strongly agreed, 50% are agreed, 4% are uncertain, 5% disagreed and 2% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 59% are strongly agreed, 60% are agreed, 50% are uncertain,15% disagreed and 1% are strongly disagreed. The graph for "The instructor maintains an environment that is conducive to learning." shows that 78% are strongly agreed, 46% are agreed, 40% are uncertain, 10% disagreed and 5% are strongly disagreed.' 'The Instructor provides additional material apart from text", shows that 71% are strongly agreed,35% are agreed, 42% are uncertain, 3% disagreed and 1% are strongly disagreed.

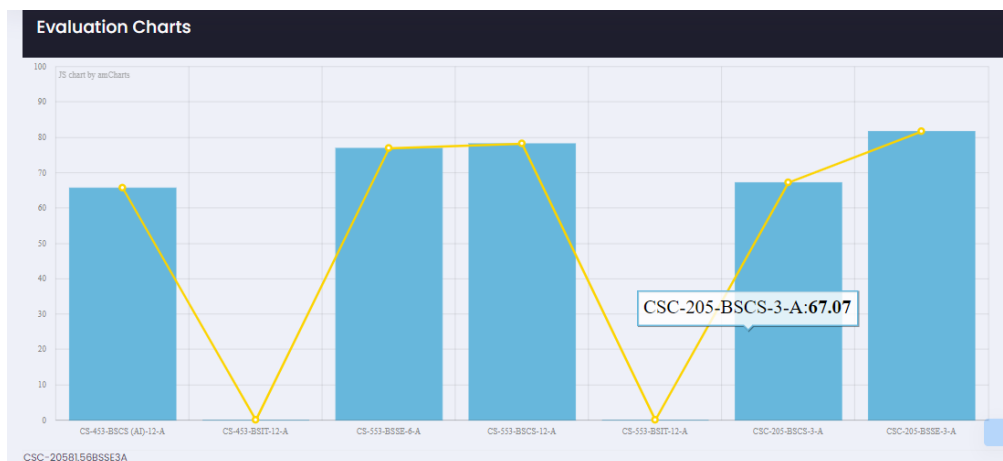**General Comments of the Students about the Teacher**

Strengths:

- Well prepared

- Punctual

- Instructor demonstrate the knowledge of subject very well

- Instructor provides additional material apart from the text
- Effective lab tasks

Weakness:

- No significant weakness was found.

Ms. Maryam Bibi

The graph for "The instructor maintains an environment that is conducive to learning.", shows that 75% are strongly agreed, 45% are agreed, 30% are uncertain, 10% disagreed and 2% are strongly disagreed. The graph for The graph for The graph for "The Instructor's effort to maintain discipline.", shows that 87% are strongly agreed, 83% are agreed, 22% are uncertain, 2% disagreed and 1% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 85% are strongly agreed, 60% are agreed, 52% are uncertain, 12% disagreed and 1% are strongly disagreed. "The subject matter presented in the course has increased your knowledge of the subject" shows that 68% are strongly agreed, 70% are agreed, 42% are uncertain, 20% disagreed and 0% are strongly disagreed. ''The Instructor provides additional material apart from text", shows that 70% are strongly agreed, 33% are agreed, 64% are uncertain, 5% disagreed and 2% are strongly disagreed.

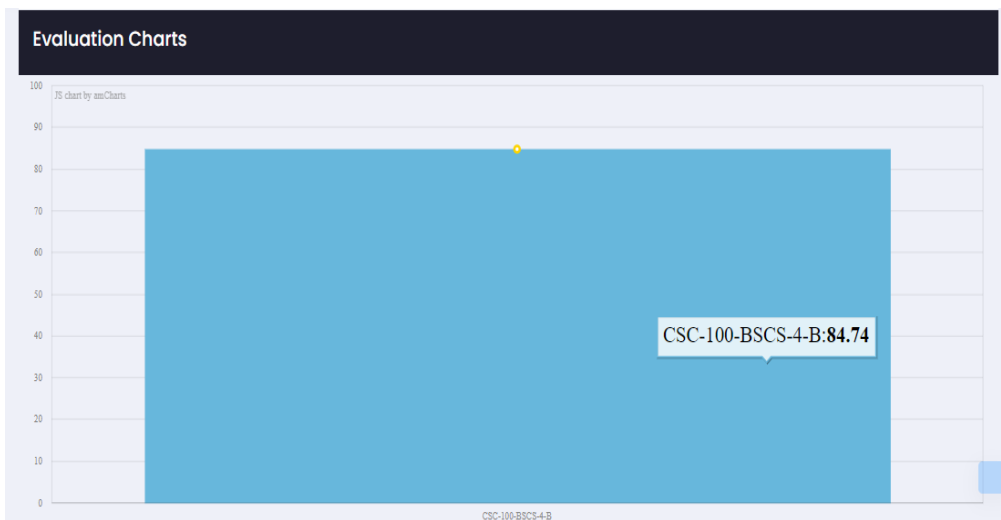**General Comments of the Students about the Teacher Strengths:**

- Well-rehearsed
- Work hard on making assignments and quizzes
- Fair marking

Weakness:

- The Instructor make more conceptual lab tasks

Mr. Ali Haidry

The graph for "The Instructor's effort to maintain discipline.", shows that 68% are strongly agreed, 43% are agreed, 30% are uncertain, 2% disagreed and 2% are strongly disagreed. The graph for "The subject matter presented in the course has increased your knowledge of the subject" shows that 90% are strongly agreed, 70% are agreed, 45% are uncertain, 8% disagreed and 1% are strongly disagreed. The graph for "The communication of course breakdown with students and coverage of course according to breakdown", shows that 75% are strongly agreed, 10% are agreed, 8% areuncertain, 1% disagreed and 2% are strongly disagreed. The graph for "Number of quizzes assignments taken with correspondence to course breakdown", shows that 75% are strongly agreed, 50% are agreed, 5% are uncertain, 3% disagreed and 2% are strongly disagreed.

General Comments of the Students about the Teacher Strengths:

Teacher Strengths:

- Method of teaching is impressive.
- Have an excellent teaching methodology.

Weakness:
- No significance weakness was found.

Mr. Kamran J

The graph for "The instructor timely quizzes and assignments.", shows that 90% are strongly agreed, 35% are agreed, 0% are uncertain, 3% disagreed and 2% are strongly disagreed. The graph for "The subject matter presented in the course has increased your knowledge of the subject" shows that 80% are strongly agreed, 71% are agreed, 45% are uncertain, 35% disagreed and 1% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 34% are strongly agreed, 60% are agreed, 50% are uncertain, 17% disagreed and 9% are strongly disagreed. The graph for ''The Instructor provides additional material apart from text", shows that 79% are strongly agreed, 34% are agreed, 43% are uncertain, 3% disagreed and 8% are strongly disagreed.

General Comments of the Students about the Teacher
Strengths:

- Best teacher

- Fair marking

- Punctual and well behaved with students.

Weakness:
- No significant weakness was found.

Mr. Shahzaib Iqbal
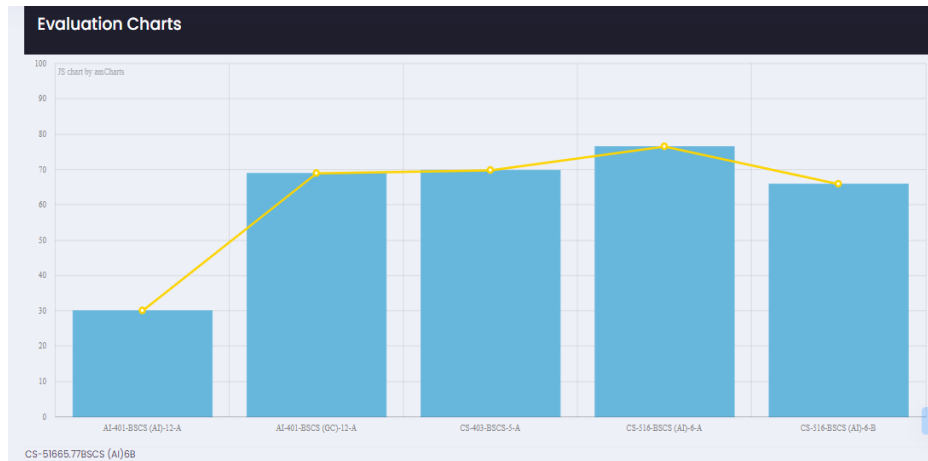
The e graph for "The subject matter presented in the course has increased your knowledge of the subject" shows that 25% are strongly agreed, 44% are agreed, 5% are uncertain, 22% disagreed and 0% are strongly disagreed. The graph for "The Instructor's effort to maintain discipline.", shows that 48% are strongly agreed, 66% are agreed, 0% are uncertain, 2% disagreed and 1% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 66% are strongly agreed, 60% are agreed, 55% are uncertain, 17% disagreed and 1% are strongly disagreed. The graph for "The instructor maintains an environment that is conducive to learning.", shows that 50% are strongly agreed, 45% are agreed, 12% are uncertain, 2% disagreed and 3% are strongly disagreed.

General Comments of the Students about the Teacher
Strengths:
- Well-rehearsed
- Makes fair judgment in class matters
- Maintains an environment that is conducive to learning

- Punctual and respects the students
- The Instructor provides additional material apart from text

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

Weaknesses:

- No significant weakness was found.

Ms. Luqman :

The graph for "The instructor is prepared for each class", shows that 78% are strongly agreed, 60% are agreed, 55% are uncertain, 14% disagreed and 1% are strongly disagreed. ''The Instructor provides additional material a part from text", shows that 38% are strongly agreed, 35% are agreed, 2% are uncertain, 5% disagreed and 1% are strongly disagreed. The graph for "The instructor maintains an environment that is conducive to learning.", shows that 60% are strongly agreed, 45% are agreed, 20% are uncertain, 10% disagreed and 5% are strongly disagreed .The graph for "The Instructor's effort to maintain discipline.", shows that 59% are strongly agreed, 81% are agreed, 0% are uncertain, 2% disagreed and 1% are strongly disagreed.
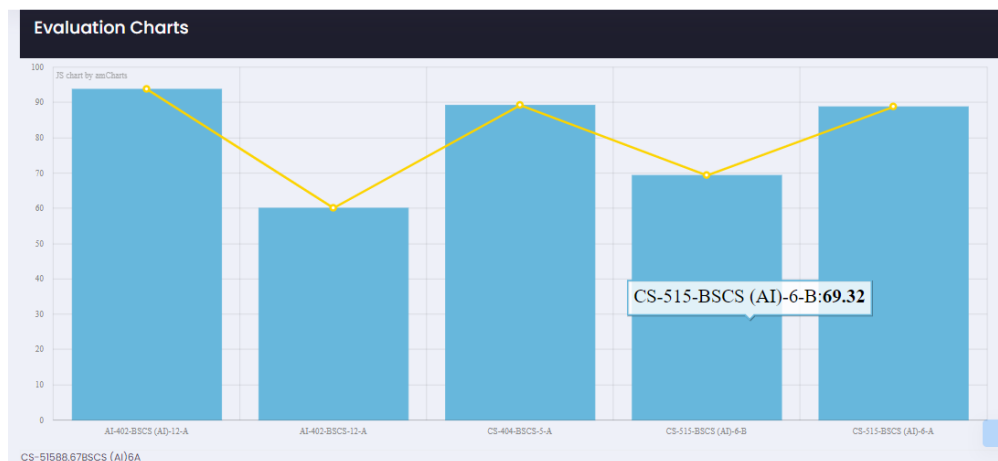
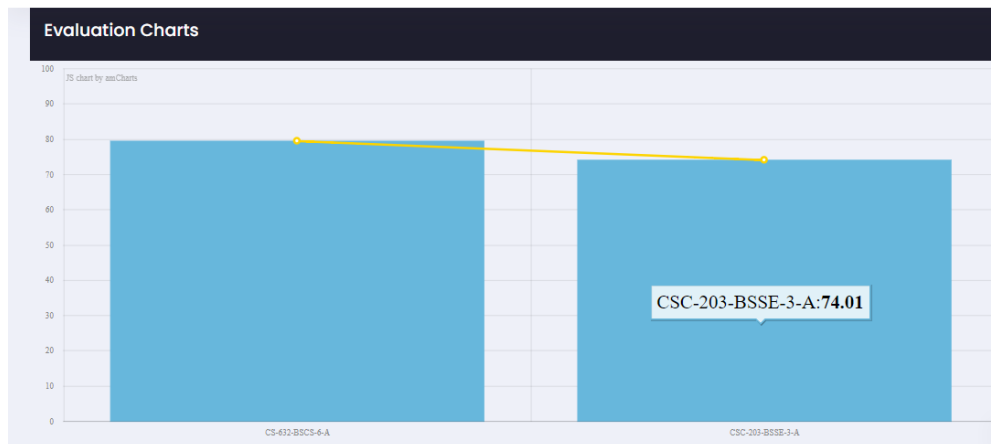**General Comments of the Students about the Teacher Strengths:**

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

Weaknesses:

- Course material should be more updated.
- The assignment and exam should cover the material presented in the class.

Mr. Suhail Amin
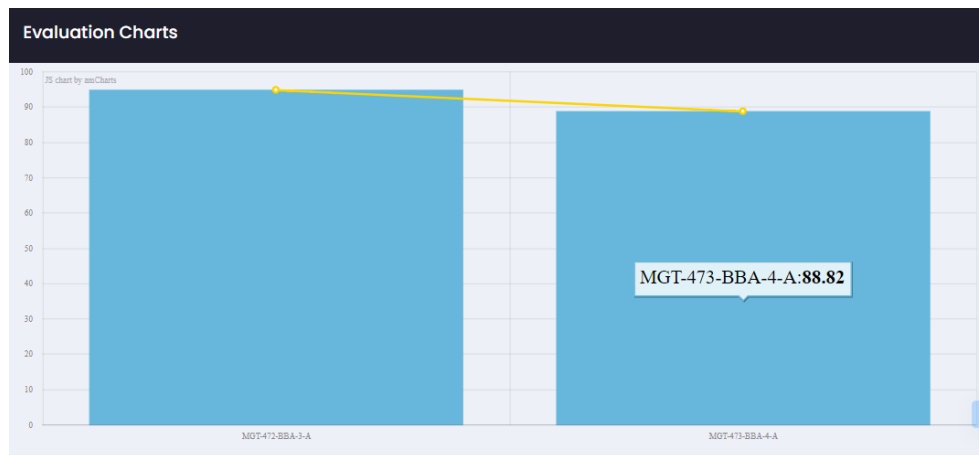
The graph for "Number of quizzes assignments taken with correspondence to course breakdown" shows that 82% are strongly agreed, 73% are agreed, 3% are uncertain, 30% disagreed and 5% are strongly disagreed. The graph for "The coverage of course according to breakdown", shows that 74% are strongly agreed, 22% are agreed, 12% are uncertain, 22% disagreed and 5% are strongly disagreed. The graph for "The Instructor's effort to maintain discipline.", shows that 48% are strongly agreed, 68% are agreed, 0% are uncertain, 2 disagreed and 1% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 65% are strongly agreed, 60% are agreed, 43% are uncertain, 15% disagreed and 1% are strongly disagreed. The graph for "The instructor maintains an environment that is conducive to learning.", shows that 70% are strongly agreed, 44% are agreed, 5% are uncertain, 1% disagreed and 11% are strongly disagreed.

**General Comments of the Students about the Teacher Strengths:**

- Comprehensive course material
- Good Teaching method
- Take Quiz Weekly

Weakness:

- No significant weakness was found.

Ms. Fakhr un Nisa

The graph for "The communication of course breakdown with students and coverage of course according to breakdown", shows that 89% are strongly agreed, 12% are agreed, 2% are uncertain, 8% disagreed and 1% are strongly disagreed. The graph for "Number of quizzes assignments taken with correspondence to course breakdown", shows that 65% are strongly agreed, 75% are agreed, 3% are uncertain, 30% disagreed and 3% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 66% are strongly agreed, 60% are agreed, 42% are uncertain, 16% disagreed and 1% are strongly disagreed. The graph for "The Instructor maintains an environment that is conducive to learning.", shows that 70% are strongly agreed, 45% are agreed, 5% are uncertain, 1% disagreed and 2% are strongly disagreed.

General Comments of the Students about the Teacher Strengths:

- Mam Fakhar Un Nisa helps me a lot in my study.
- Helpful and hard working.
- Hard working teacher briefly explain every topic and student query.

Weakness:

- No significant weakness was found

Ms. Sumaira Sarwar

The graph for "The coverage of course according to breakdown", shows that 50% are strongly agreed, 20-% are agreed, 4% are uncertain, 20% disagreed and 5% are strongly disagreed. The graph for "Number of quizzes assignments taken with correspondence to course breakdown" , shows that 55% are strongly agreed, 68% are agreed, 5% are uncertain, 30% disagreed and 6% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 68% are strongly agreed, 60% are agreed, 45% are uncertain, 16% disagreed and 2% are strongly disagreed. The graph for "The Instructor maintains an environment that is conducive to learning.", shows that 60% are strongly agreed, 45% are agreed, 8% are uncertain, 2% disagreed and 5% are strongly disagreed. The graph for "Coverage of course according to breakdown" shows that 50% are strongly agreed, 20% are agreed, 5% are uncertain, 20% disagreed and 6% are strongly disagreed.

General Comments of the Students about the Teacher Strengths:

• Course material is updated.

• The instructor is well prepared for each class

• The Instructor maintains an environment that is conducive to learning.

Weakness:

- No significant weakness was found

Ms. Iqra Yasmin

The graph for "The coverage of course according to breakdown", shows that 50% are strongly agreed, 20-% are agreed, 4% are uncertain, 20% disagreed and 5% are strongly disagreed. The graph for "Number of quizzes assignments taken with correspondence to course breakdown" , shows that 55% are strongly agreed, 68% are agreed, 5% are uncertain, 30% disagreed and 6% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 68% are strongly agreed, 60% are agreed, 45% are uncertain, 16% disagreed and 2% are strongly disagreed. The graph for "The Instructor maintains an environment that is conducive to learning.", shows that 60% are strongly agreed, 45% are agreed, 8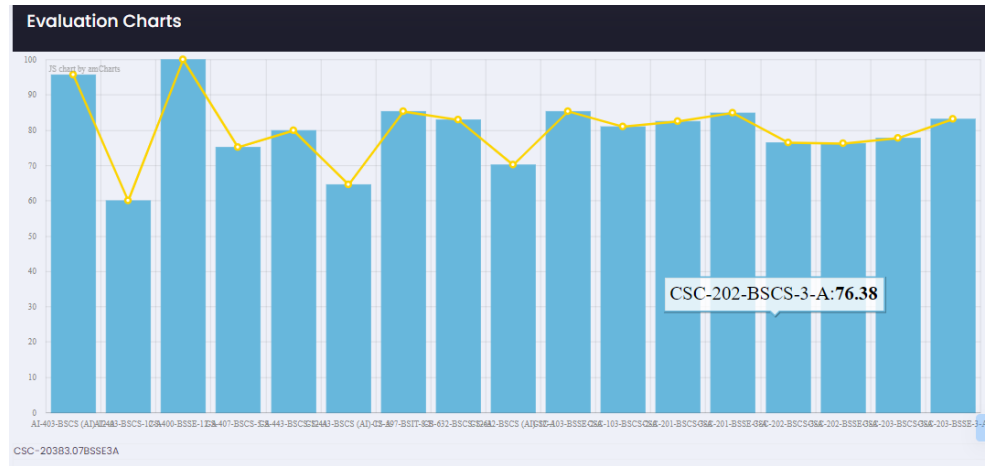% are uncertain, 2% disagreed and 5% are strongly disagreed. The graph for "Coverage of course according to breakdown" shows that 50% are strongly agreed, 20% are agreed, 5% are uncertain, 20% disagreed and 6% are strongly disagreed.

General Comments of the Students about the Teacher Strengths:

- Course material is updated.
- The instructor is well prepared for each class
- The Instructor maintains an environment that is conducive to learning.

Weakness:

- No significant weakness was found
-

Mr. Shujat Hussain

The graph for "The coverage of course according to breakdown", shows that 50% are strongly agreed, 20-% are agreed, 4% are uncertain, 20% disagreed and 5% are strongly disagreed. The graph for "Number of quizzes assignments taken with correspondence to course breakdown" , shows that 55% are strongly agreed, 68% are agreed, 5% are uncertain, 30% disagreed and 6% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 68% are strongly agreed, 60% are agreed, 45% are uncertain, 16% disagreed and 2% are strongly disagreed. The graph for "The Instructor maintains an environment that is conducive to learning.", shows that 60% are strongly agreed, 45% are agreed, 8% are uncertain, 2% disagreed and 5% are strongly disagreed. The graph for "Coverage of course according to breakdown" shows that 50% are strongly agreed, 20% are agreed, 5% are uncertain, 20% disagreed and 6% are strongly disagreed.

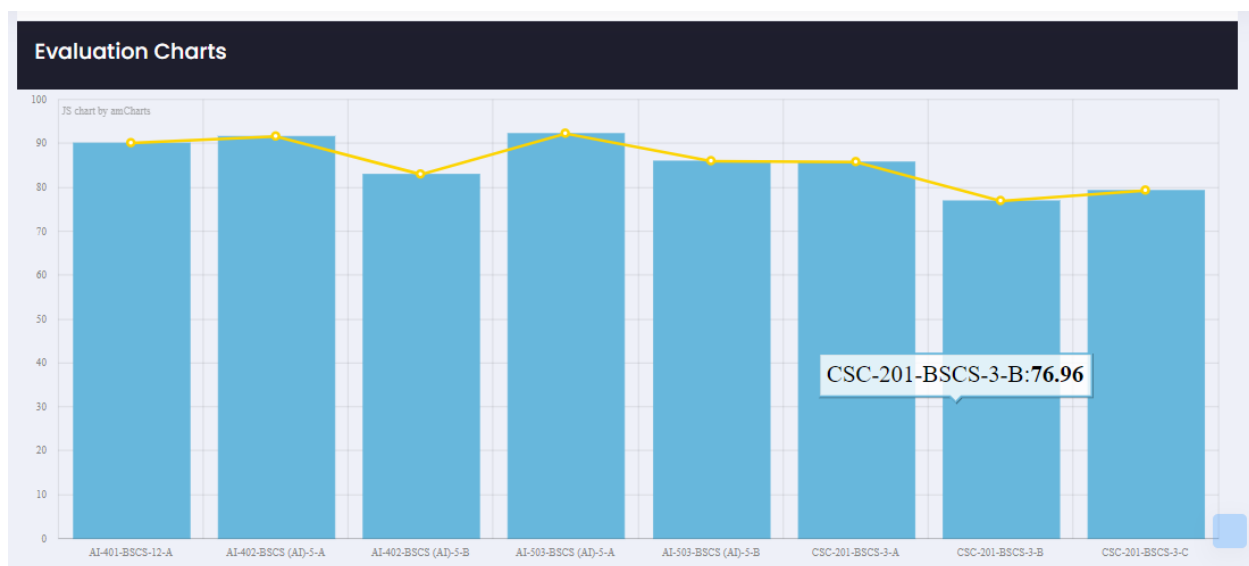**General Comments of the Students about the Teacher Strengths:**

- Course material is updated.
- The instructor is well prepared for each class
- The Instructor maintains an environment that is conducive to learning.

Weakness:

- No significant weakness was found

Mr. Muhammad Munawar Zaman

The graph for "The coverage of course according to breakdown", shows that 50% are strongly agreed, 20-% are agreed, 4% are uncertain, 20% disagreed and 5% are strongly disagreed. The graph for "Number of quizzes assignments taken with correspondence to course breakdown" , shows that 55% are strongly agreed, 68% are agreed, 5% are uncertain, 30% disagreed and 6% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 68% are strongly agreed, 60% are agreed, 45% are uncertain, 16% disagreed and 2% are strongly disagreed. The graph for "The Instructor maintains an environment that is conducive to learning.", shows that 60% are strongly agreed, 45% are agreed, 8% are uncertain, 2% disagreed and 5% are strongly disagreed. The graph for "Coverage of course according to breakdown" shows that 50% are strongly agreed, 20% are agreed, 5% are uncertain, 20% disagreed and 6% are strongly disagreed.

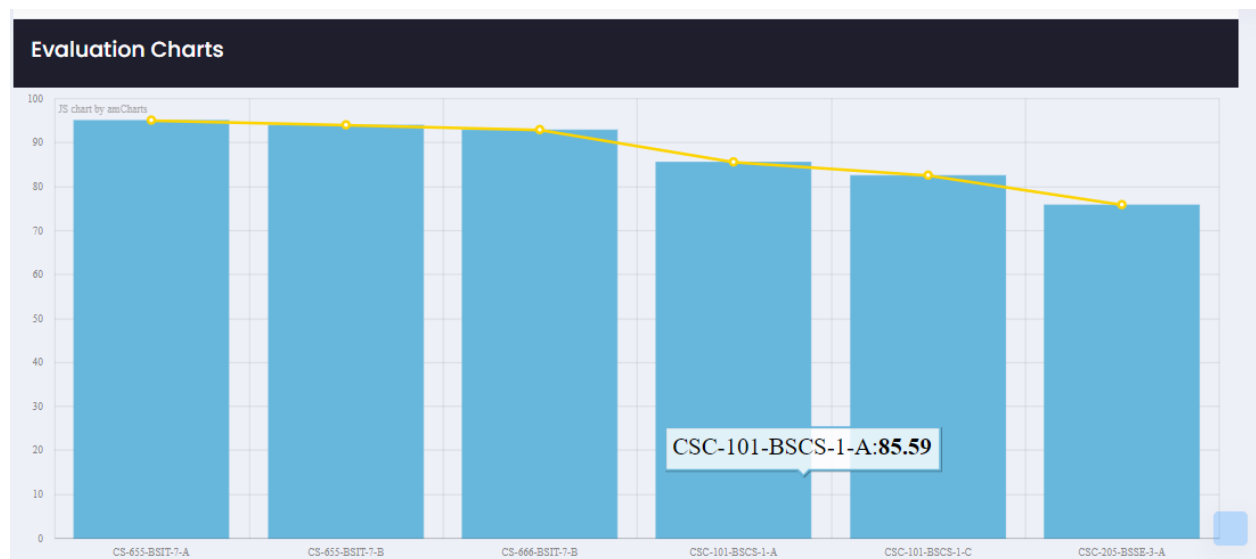**General Comments of the Students about the Teacher Strengths:**
- Course material is updated.
- The instructor is well prepared for each class
- The Instructor maintains an environment that is conducive to learning.

Weakness:

- No significant weakness was found

Mr. Wahab Ali

The graph for "The coverage of course according to breakdown", shows that 50% are strongly agreed, 20-% are agreed, 4% are uncertain, 20% disagreed and 5% are strongly disagreed. The graph for "Number of quizzes assignments taken with correspondence to course breakdown" , shows that 55% are strongly agreed, 68% are agreed, 5% are uncertain, 30% disagreed and 6% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 68% are strongly agreed, 60% are agreed, 45% are uncertain, 16% disagreed and 2% are strongly disagreed. The graph for "The Instructor maintains an environment that is conducive to learning.", shows that 60% are strongly agreed, 45% are agreed, 8% are uncertain, 2% disagreed and 5% are strongly disagreed. The graph for "Coverage of course according to breakdown" shows that 50% are strongly agreed, 20% are agreed, 5% are uncertain, 20% disagreed and 6% are strongly disagreed.

General Comments of the Students about the Teacher Strengths:

- Course material is updated.
- The instructor is well prepared for each class
- The Instructor maintains an environment that is conducive to learning.

Weakness:

- No significant weakness was found

Ms. Aneela Zawar

The graph for "The coverage of course according to breakdown", shows that 50% are strongly agreed, 20-% are agreed, 4% are uncertain, 20% disagreed and 5% are strongly disagreed. The graph for "Number of quizzes assignments taken with correspondence to course breakdown" , shows that 55% are strongly agreed, 68% are agreed, 5% are uncertain, 30% disagreed and 6% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 68% are strongly agreed, 60% are agreed, 45% are uncertain, 16% disagreed and 2% are strongly disagreed. The graph for "The Instructor maintains an environment that is conducive to learning.", shows that 60% are strongly agreed, 45% are agreed, 8% are uncertain, 2% disagreed and 5% are strongly disagreed. The graph for "Coverage of course according to breakdown" shows that 50% are strongly agreed, 20% are agreed, 5% are uncertain, 20% disagreed and 6% are strongly disagreed.

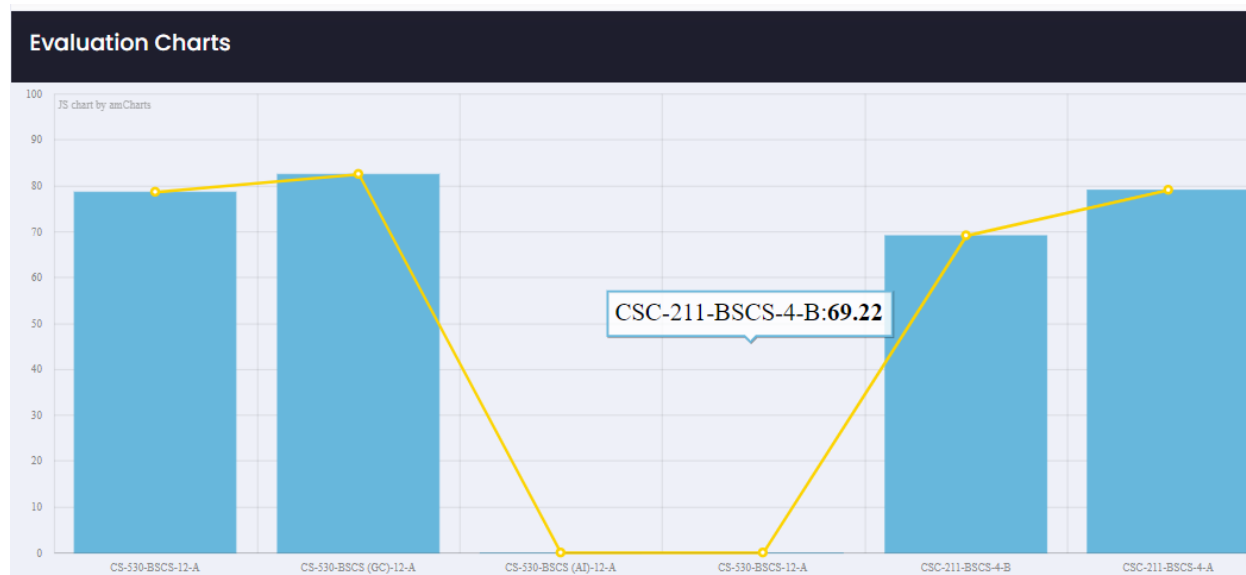**General Comments of the Students about the Teacher Strengths:**

- Course material is updated.
- The instructor is well prepared for each class
- The Instructor maintains an environment that is conducive to learning.

Weakness:

- No significant weakness was found

Mr. Abdul Salam

The graph for "The coverage of course according to breakdown", shows that 50% are strongly agreed, 20-% are agreed, 4% are uncertain, 20% disagreed and 5% are strongly disagreed. The graph for "Number of quizzes assignments taken with correspondence to course breakdown" , shows that 55% are strongly agreed, 68% are agreed, 5% are uncertain, 30% disagreed and 6% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 68% are strongly agreed, 60% are agreed, 45% are uncertain, 16% disagreed and 2% are strongly disagreed. The graph for "The Instructor maintains an environment that is conducive to learning.", shows that 60% are strongly agreed, 45% are agreed, 8% are uncertain, 2% disagreed and 5% are strongly disagreed. The graph for "Coverage of course according to breakdown" shows that 50% are strongly agreed, 20% are agreed, 5% are uncertain, 20% disagreed and 6% are strongly disagreed.

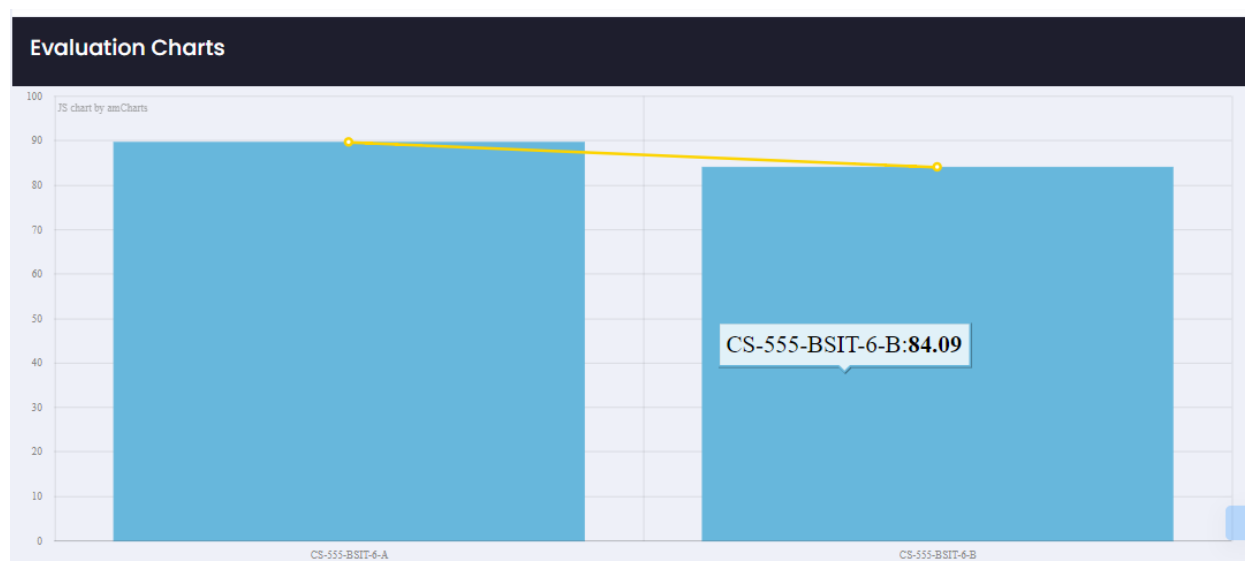**General Comments of the Students about the Teacher Strengths:**

- Course material is updated.
- The instructor is well prepared for each class
- The Instructor maintains an environment that is conducive to learning.

Weakness:

- No significant weakness was found

Mr. Rana Saoud Shaukat

The graph for "The coverage of course according to breakdown", shows that 50% are strongly agreed, 20-% are agreed, 4% are uncertain, 20% disagreed and 5% are strongly disagreed. The graph for "Number of quizzes assignments taken with correspondence to course breakdown" , shows that 55% are strongly agreed, 68% are agreed, 5% are uncertain, 30% disagreed and 6% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 68% are strongly agreed, 60% are agreed, 45% are uncertain, 16% disagreed and 2% are strongly disagreed. The graph for "The Instructor maintains an environment that is conducive to learning.", shows that 60% are strongly agreed, 45% are agreed, 8% are uncertain, 2% disagreed and 5% are strongly disagreed. The graph for "Coverage of course according to breakdown" shows that 50% are strongly agreed, 20% are agreed, 5% are uncertain, 20% disagreed and 6% are strongly disagreed.

Evaluation Charts

JS chart by amCharts

CSC-204-BSCS-3-B:**79.1**

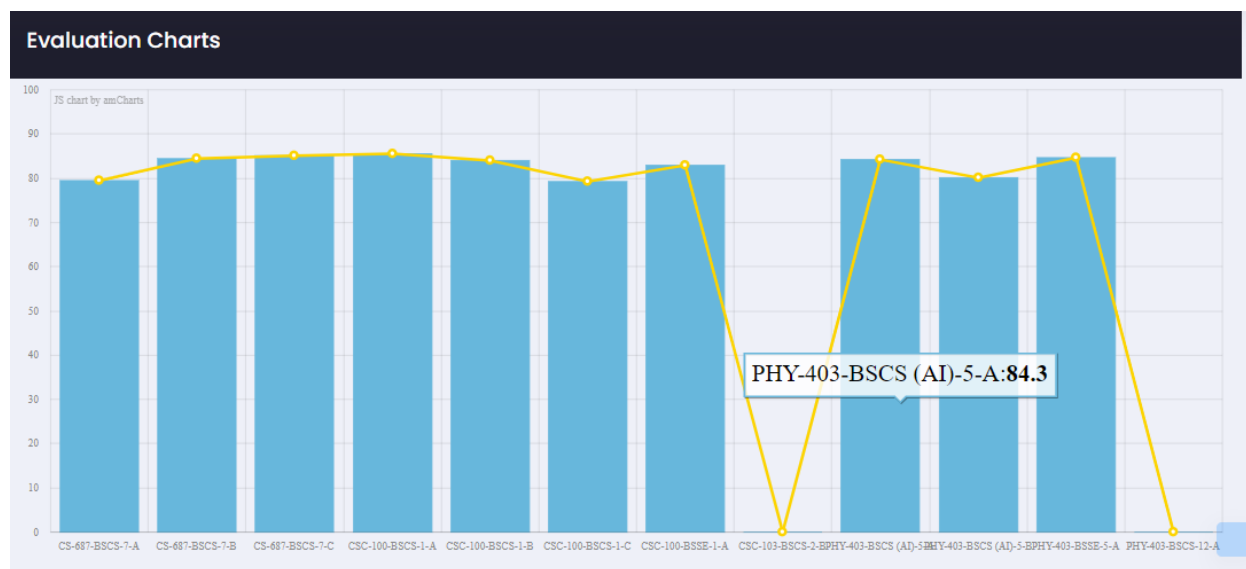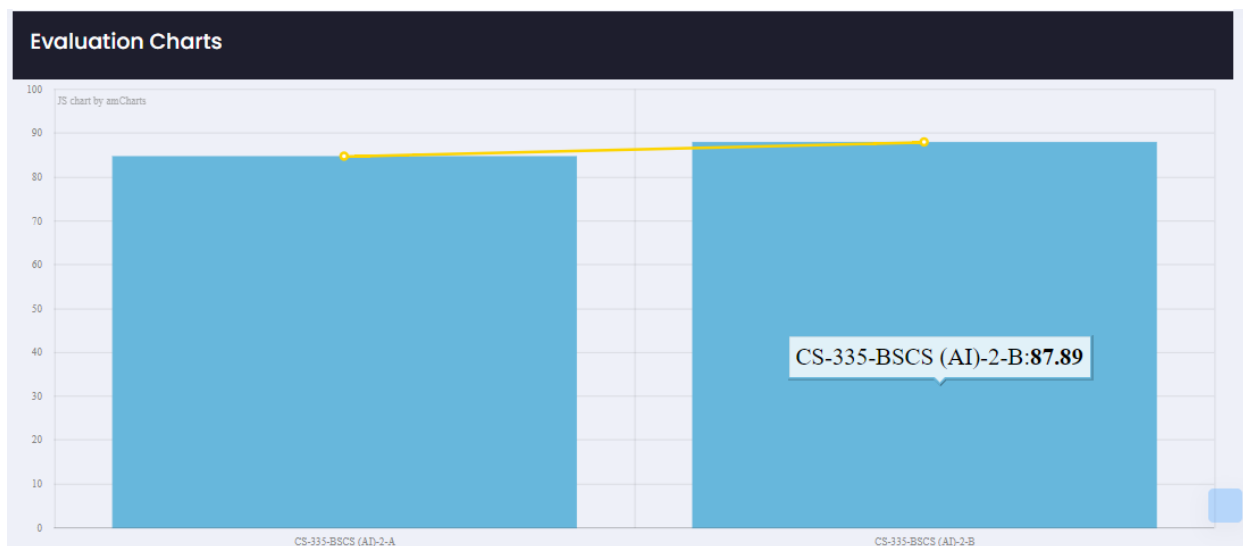**General Comments of the Students about the Teacher Strengths:**

- Course material is updated.
- The instructor is well prepared for each class
- The Instructor maintains an environment that is conducive to learning.

Weakness:

- No significant weakness was found

Student Course Evaluation

The results of course evaluations of BS (SE) degree program are also summarized. The teacher who taught CS-323 has scored 78%, the teacher for course CS-423 has scored 80%, the teacher for CS-443 has scored 89%, the teacher for CS-335 has scored 75%, the teacher for CS-583 has scored 85%, the teacher for CS-400 has scored 88%, the teacher for CS-453 has scored 90%, the teacher for CS-577 has scored 80%, the teacher for CS-497 has scored 65%, the teacher for CS-698 has scored 71%, the teacher for CS-699 has scored 77%, the teacher for CS-300 has scored 91%, the teacher for ENG-305 has scored 92%, the teacher for ENG-315 has scored 94%, the teacher for ENG-325 has scored 87%, the teacher who taught SSH-307 has scored 82%, the teacher for course IS-302 has scored 81%, the teacher for SSH-302 has scored 78%, the teacher for MGT-322 has scored 67%, the teacher for MGT-351 has scored 68%, the teacher for MGT-411 has scored 74%, the teacher for CS-555 has scored 80%, the teacher for CS-556 has scored 71%, the teacher for CS-566 has scored 81%, the teacher for CS-584 has scored 71%, the teacher for CS-597 has scored 88%, the teacher for CS-655 has scored 93%, the teacher for CS-432 has scored 82%, the teacher for CS-525 has scored 85%.
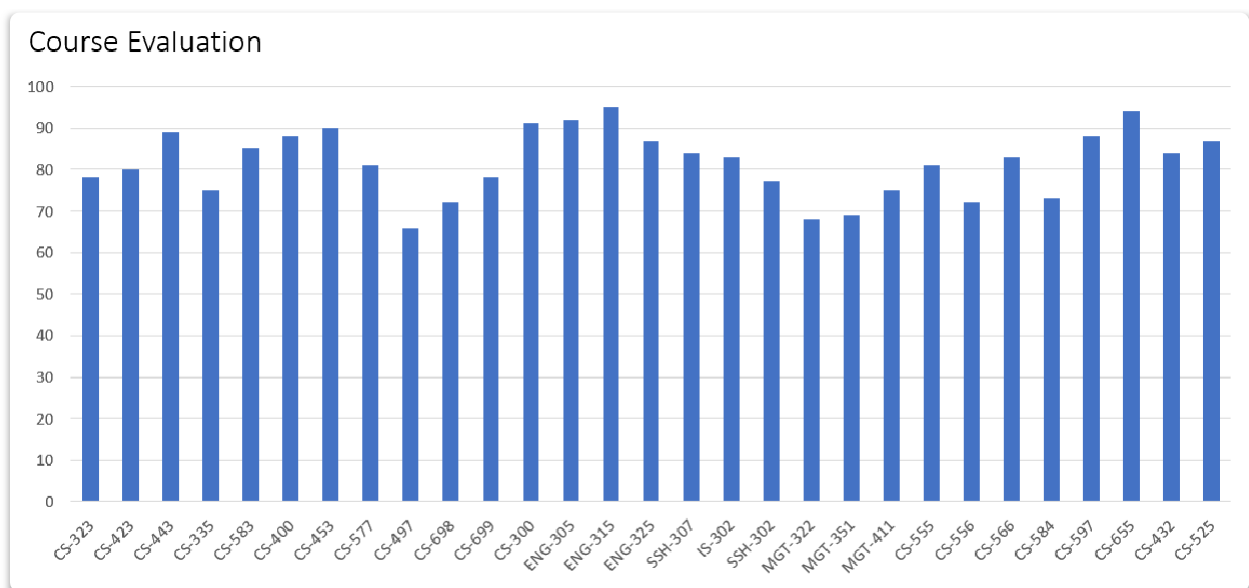
Figure 2: Course Evaluation Graph

Each course evaluation is presented graphically below.

Dr. Zafar Mehmood (CS-572)

The graph "Learning materials (lesson plans, course notes etc.) were relevant and useful" reflects this, 80% strongly agreed, 43% agreed, 23% are uncertain, 2% disagreed and 1% strongly disagree. . The graph "Relevant and appropriate study" shows that 90% strongly agreed, 50% agreed, 3% are uncertain, 5% disagreed and 1% strongly disagree. The details of the evaluation. The course objectives were clear and course proceeded according to the way of achieving this. The graph of "The Course Objectives were clear" indicates this, 90% strongly agreed, 57% agreed, 65% are uncertain, 60% disagreed and 0% strongly disagree. The teacher has managed the course workload very well. The graph "The Course workload was manageable" show this, 80% strongly agreed, 23% agreed, 42% are uncertain, 10% disagreed and 3% strongly disagree. The instructor recommended relevant and appropriate study material for this course.

General Comments by Students about this course:

Strengths:

- The Course workload was manageable

- Clear Objectives
- Well organized material

Weaknesses:

- Course need to be well structured to achieve the learning outcomes

Dr. Javaid Ullah Khan (CS-423)

The graph for "The communication of course breakdown with students and coverage of course according to breakdown", shows that 33% are strongly agreed, 22% are agreed, 12% are uncertain, 2% disagreed and 1% are strongly disagreed. The graph for "Number of quizzes assignments taken with correspondence to course breakdown", shows that 55% are strongly agreed, 67% are agreed, 5% are uncertain, 30% disagreed and 6% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 68% are strongly agreed, 60% are agreed, 45%are uncertain, 15% disagreed and 3% are strongly disagreed. The graph for "The Instructor maintains an environment that is conducive to learning.", shows that 60% are strongly agreed, 45% are agreed, 8% are uncertain, 2% disagreed and 5% are strongly disagreed. The graph for "Coverage of course according to breakdown" shows that 50% are strongly agreed, 20% are agreed, 5% are uncertain, 20% disagreed and 6% are strongly disagreed

General Comments by Students about this course:
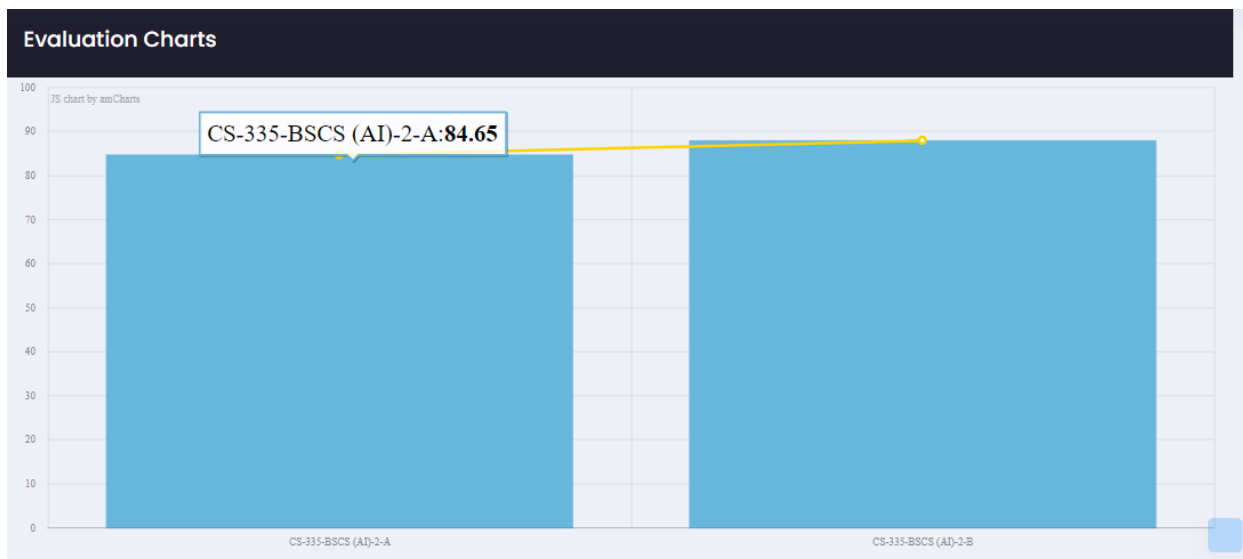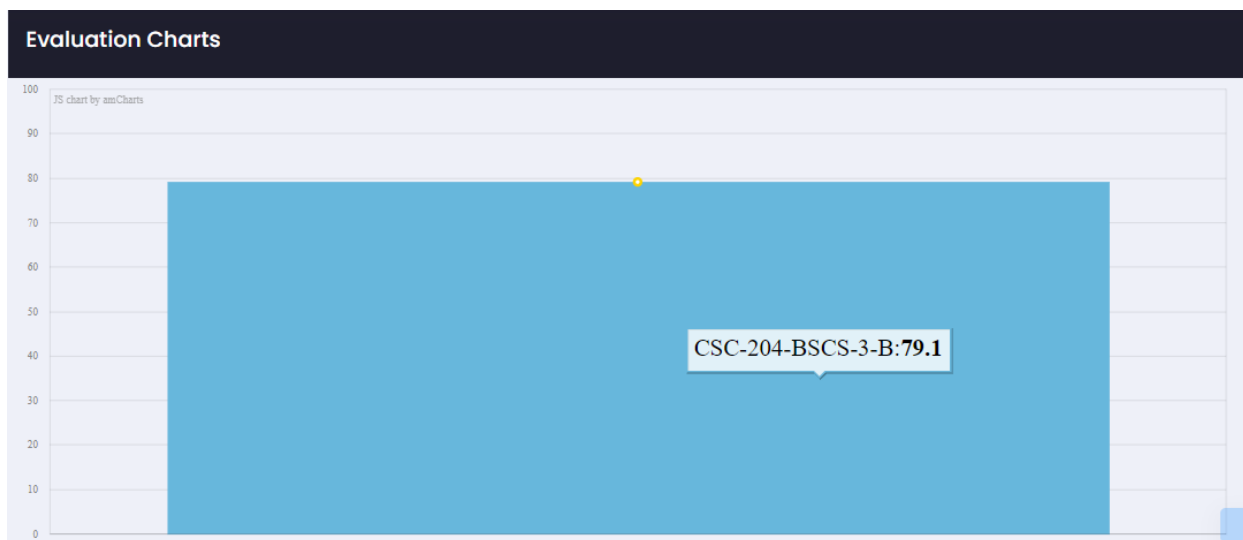
Strengths:

- Understanding of the course

- Clear Objectives

- Well organized material

Weaknesses:

- More practical material should be added

Dr. Rehan Masood (CS-323)

The graph "Learning materials (lesson plans, course notes etc.) were relevant and useful" reflects this, 69% strongly agreed, 45% agreed, 30 are uncertain, 3% disagreed and 10% strongly disagree. The course was very well organized. This can be seen in the graph "The course was well organized", 90% strongly agreed, 70% agreed, 42% are uncertain, 5% disagreed and 1% strongly disagree. The graph "The course simulated students interests and thought on the subject" shows that 82% strongly agreed, 32% agreed, 22% are uncertain, 5% disagreed and 11% strongly disagree. The graph "Course was well structured to achieve the positive learning outcomes" shows that 69% were strongly agreed, 45% agreed, 30% are uncertain, 4% disagreed and 10% strongly disagree. The graph shows the details of the evaluation. The course objectives were clear and course proceeded according to the way of achieving this. The graph of "The Course Objectives were clear" indicates this, 73% strongly agreed, 11% agreed, 8% are uncertain, 5% disagreed and 2% strongly disagree. The teacher has managed the course workload very well. The graph "The Course workload was manageable" show this, 73% strongly agreed, 50% agreed, 5% are uncertain, 13% disagreed and 2% strongly disagree. The instructor recommended relevant and appropriate study material for this course.
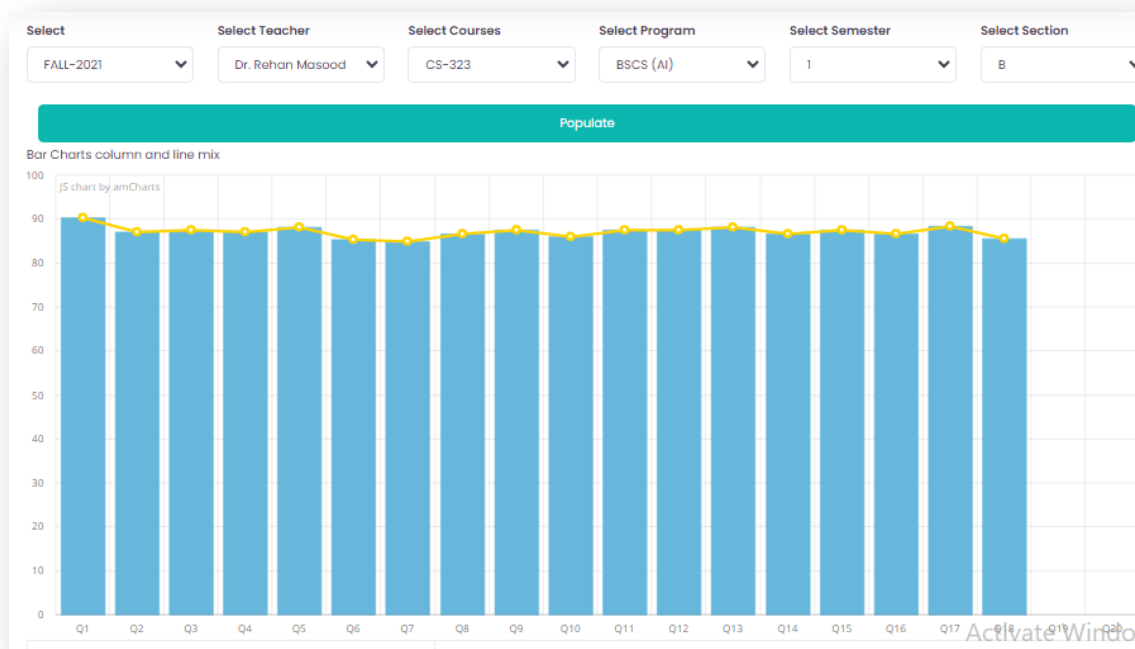
General Comments by Students about this course:

Strengths:

- The Course Objectives were clear
- The Course workload was manageable

- The course was well organized
- The course simulated students interests and thought on the subject

Weaknesses:
- No significant weakness was found

Dr. M. Shahid (CS-300)

The graph shows the details of the evaluation. This can be seen in the graph "The course was well organized", 80% strongly agreed, 71% agreed, 42% are uncertain, 32% disagreed and 1% strongly disagree. The graph "The course simulated students interests and thought on the subject" shows that 79% strongly agreed, 32% agreed, 22% are uncertain, 63% disagreed and 11% strongly disagree. The

course objectives were clear and course proceeded according to the way of achieving this. The graph of "The Course Objectives were clear" indicates this, 35% strongly agreed, 55% agreed, 70% are uncertain, 5% disagreed and 3% strongly disagree. The graph "The Course workload was manageable" show this, 72% strongly agreed, 23% agreed, 42% are uncertain, 15% disagreed and 10% strongly disagree. The instructor recommended relevant and appropriate study material for this course. The graph "Learning materials (lesson plans, course notes etc.) were relevant and useful" reflects this, 80% strongly agreed, 43% agreed, 18% are uncertain, 4% disagreed and 10% strongly disagree. The course was very well organized.
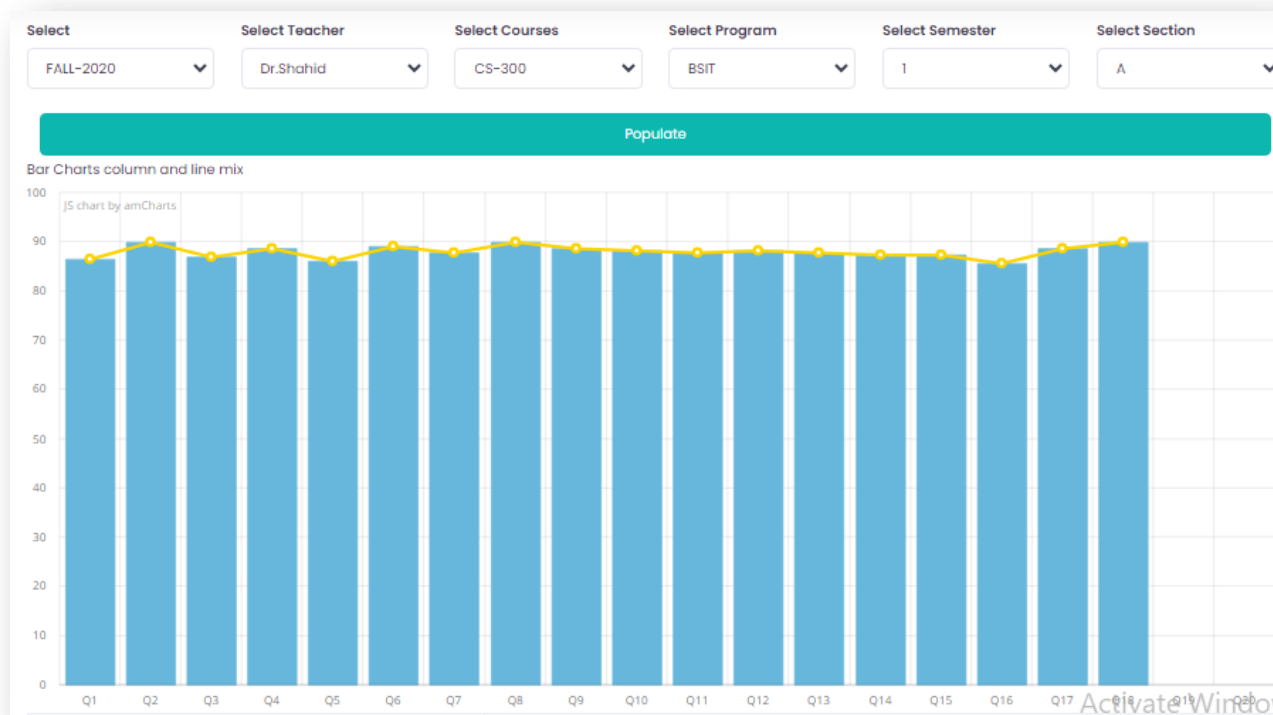
General Comments by Students about this course:

Strengths:

- The Course workload was manageable

- The course was well organized

Weaknesses:

- The course objective should be clear.

- The course needs to be well structured to achieve the learning outcome.

38

Mr. Iftikhar (CS-577)

The graph "Learning materials (lesson plans, course notes etc.) were relevant and useful" reflects this, 45% strongly agreed, 82% agreed, 23% are uncertain, 3% disagreed and 1% strongly disagree. The course was very well organized. This can be seen in the graph "The course was well organized" , 80% strongly agreed, 71% agreed, 45% are uncertain, 20% disagreed and 1% strongly disagree. The graph "The instructor maintains an environment that is conducive to learning." shows that 77% were strongly agreed, 45% agreed, 30% are uncertain, 10% disagreed and 5% strongly disagree. The graph shows the details of the evaluation. The course objectives were clear and course proceeded according to the way of achieving this. The graph of "The Course Objectives were clear" indicates this, 68% strongly agreed, 45% agreed, 70% are uncertain, 60% disagreed and 1% strongly disagree. The teacher has managed the course workload very well. The graph "The Course workload was manageable" show this, 67% strongly agreed, 55% agreed, 42% are uncertain, 22% disagreed and 3% strongly disagree. The instructor recommended relevant and appropriate study material for this course.

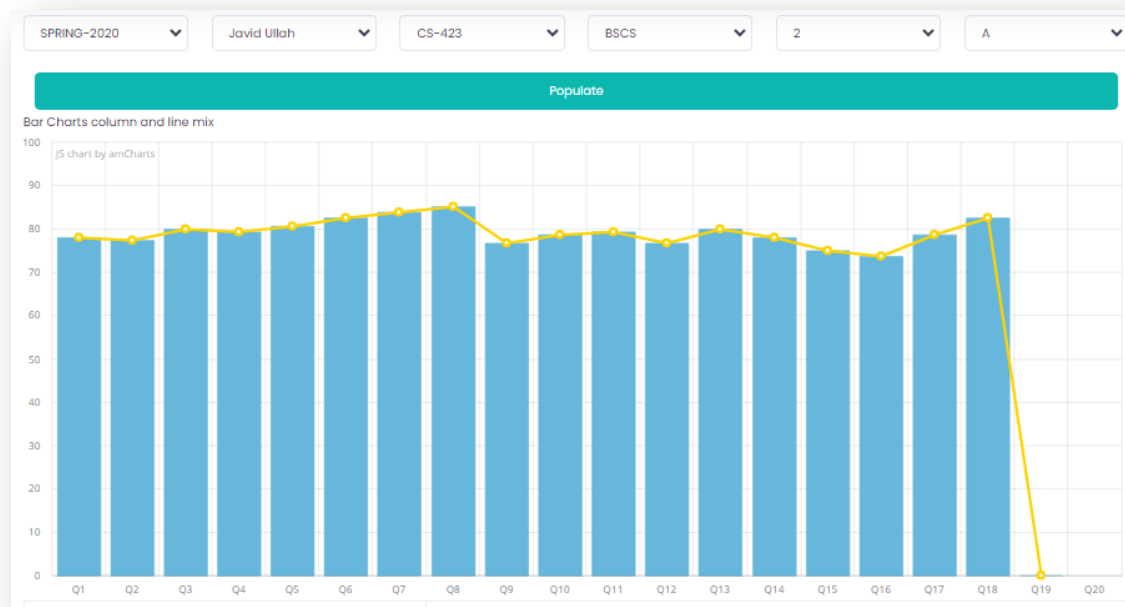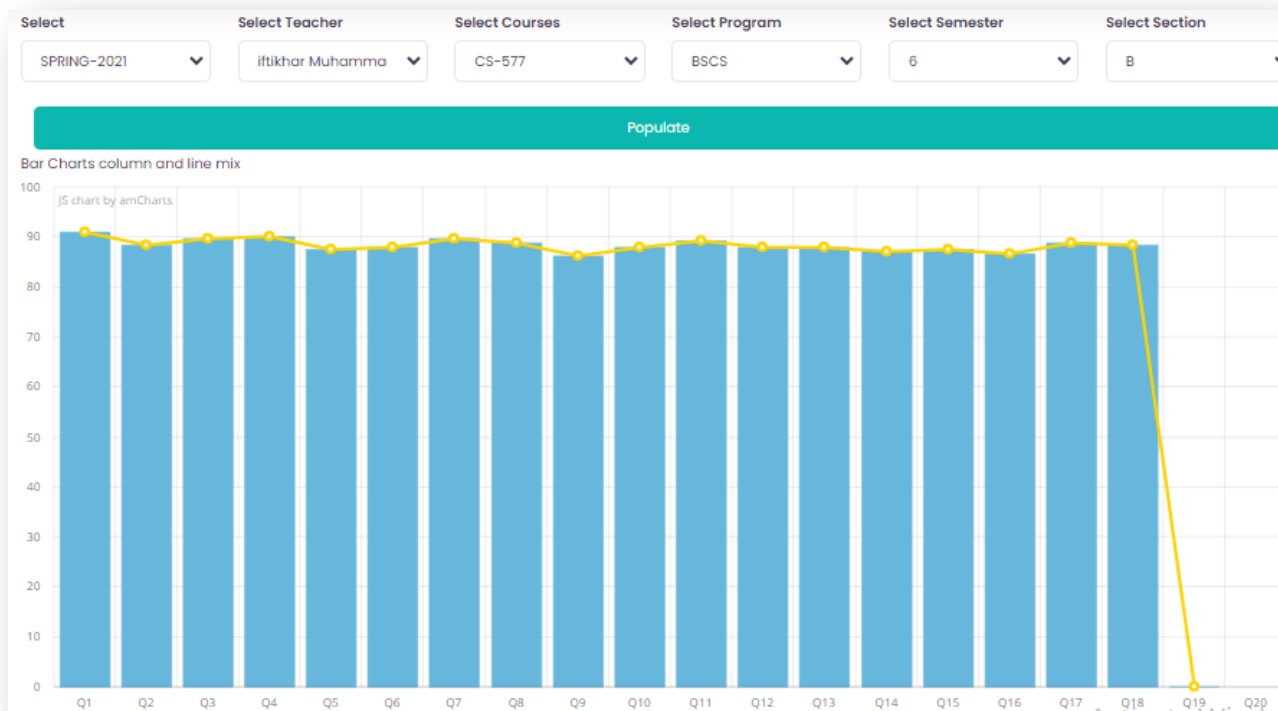**General Comments by Students about this course:**

Strengths:

- The Course Objectives were clear

- The Course workload was manageable

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

- The course was well organized

- The course simulated students interests and thought on the subject

- Course was well structured to achieve the learning outcomes

Weaknesses:

- No significant weakness was found

Mr. Seemab Janjua (CS-793)

The course was very well organized. This can be seen in the graph "The course was well organized", 68% strongly agreed, 71% agreed, 45% are uncertain, 20% disagreed and 0% strongly disagree. The graph ''The Instructor provides additional material apart from text" shows that 70% strongly agreed, 35% agreed, 65% are uncertain, 4% disagreed and 2% strongly disagree. The graph "The Instructor maintains an environment that is conducive to learning" shows that 75% are strongly agreed, 45% are agreed, 30% are uncertain, 10% disagreed and 5% are strongly disagreed. The graph shows the details of the evaluation. The course objectives were clear and course according to the way of achieving this The graph "The Course workload was manageable" show this, 52% strongly agreed, 55% agreed, 45% are uncertain, 25% disagreed and 5% strongly disagree. The instructor recommended relevant and appropriate study material for this course. The graph "Learning materials (lesson lans, course notes etc.) were relevant and useful" reflects this, 88% strongly agreed, 82% agreed, 25% are uncertain, 0% disagreed and 1% strongly disagree

Bar Charts column and line mix
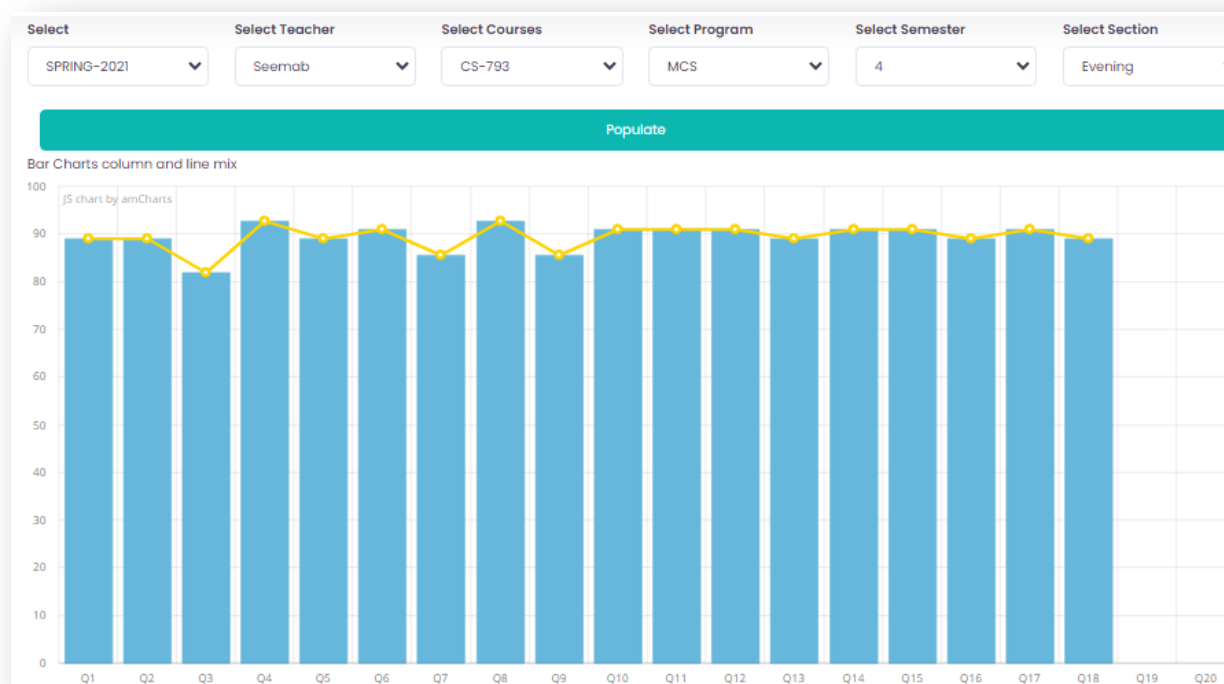
General Comments by Students about this course:

Strengths:

- Course was well structured to achieve the learning outcomes
- Clear Objectives
- The Course workload was manageable

Weaknesses:

- No significance weakness was found.
-

Mr. Noman Al Hassan (CS-532)

The graph "Learning materials (lesson plans, course notes etc.) were relevant and useful" reflects this, 80% strongly agreed, 43% agreed, 23% are uncertain, 2% disagreed and 1% strongly disagree. . The graph "Relevant and appropriate study" shows that 90% strongly agreed, 50% agreed, 3% are uncertain, 5% disagreed and 1% strongly disagree. The details of the evaluation . The course objectives were clear and course proceeded according to the way of achieving this. The graph of "The Course Objectives were clear" indicates this, 90% strongly agreed, 57% agreed, 65% are uncertain, 60% disagreed and 0% strongly disagree. The teacher has managed the course workload very well. The graph "The Course workload was manageable" show this, 80% strongly agreed, 23%

agreed, 42% are uncertain, 10% disagreed and 3% strongly disagree. The instructor recommended relevant and appropriate study material for this course.

General Comments by Students about this course:

Strengths:

- The Course workload was manageable

- Clear Objectives

- Sir is great and method of teaching is good.

Weaknesses:

- Course need to be well structured to achieve the learning outcomes

Mr. Haroon Ur Rasheed (ENG-315)

The graph for "The communication of course breakdown with students and coverage of course according to breakdown", shows that 33% are strongly agreed, 22% are agreed, 12% are uncertain, 2% disagreed and 1% are strongly disagreed. The graph for "Number of quizzes assignments taken with correspondence to course breakdown", shows that 55% are strongly agreed, 67% are agreed, 5% are uncertain, 30% disagreed and 6% are strongly disagreed. The graph for "The instructor is prepared for each class", shows that 68% are strongly agreed, 60% are agreed, 45% are uncertain, 15%

disagreed and 3% are strongly disagreed. The graph for "The Instructor maintains an environment that is conducive to learning.", shows that 60% are strongly agreed, 45% are agreed, 8% are uncertain, 2% disagreed and 5% are strongly disagreed. The graph for "Coverage of course according to breakdown" shows that 50% are strongly agreed, 20% are agreed, 5% are uncertain, 20% disagreed and 6% are strongly disagreed

General Comments by Students about this course:
Strengths:

- Understanding of the course

- Clear Objectives

- Well organized material

Weaknesses:

- More practical material should be added

Mr. Fazal Rehman Shamil (CS-636)

The course was very well organized. This can bee seen in the graph "The course was well organized", 39% strongly agreed, 43% agreed, 5% are uncertain, 20% disagreed and 0% strongly disagree. The graph "The course simulated students interests and thought on the subject" shows that 66% strongly

agreed, 33% agreed, 42% are uncertain, 21% disagreed and 0% strongly disagree. The graph "availability of learning material" shows that 59% were strongly agreed, 81% agreed, 0% are uncertain, 0%   disagreed and 1% strongly disagree. The graph shows the details of the evaluation. The course objectives were clear and course proceeded according to the way of achieving this. The graph of "The Course Objectives were clear" indicates this, 79% strongly agreed, 46% agreed, 1% are uncertain, 30% disagreed and 1% strongly disagree. The teacher has managed the course workload very well. The graph "additional material a part from text" show this, 42% strongly agreed, 37% agreed, 5% are uncertain, 6% disagreed and 5% strongly disagree. The instructor recommended relevant and appropriate study material for this course. The graph "Learning materials (lesson plans, course notes etc.) were relevant and useful" reflects this, 58% strongly agreed, 82% agreed, 0% are uncertain, 0% disagreed and 1% strongly disagree.
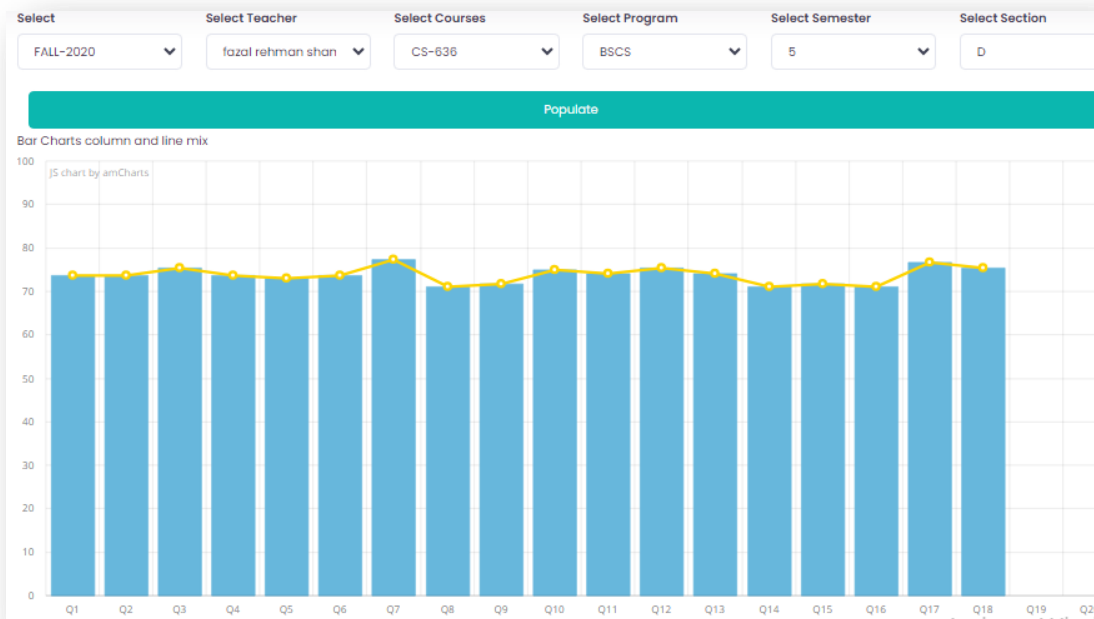
General Comments by Students about this course:

Strengths:

- Understanding of the course

- Clear Objectives

- The Course workload was manageable

- Well organized material

- Course was well structured to achieve the learning outcomes

Weaknesses:

- No significance weakness was found

Ms. Qurat Ul Ain Alam (CS - 497)

The instructor recommended relevant and appropriate study material for this course. The graph "Learning materials (lesson plans, course notes etc.) were relevant and useful" reflects this, 49% strongly agreed, 66% agreed, 0% are uncertain, 4% disagreed and 1% strongly disagree. The course was very well organized. This can bee seen in the graph "The instructor is prepared for each class" , 65% strongly agreed, 60% agreed, 55% are uncertain, 16% disagreed and 1% strongly disagree. The graph "The course simulated students interests and thought on the subject" shows that 55% strongly agreed, 35% agreed, 45% are uncertain, 22% disagreed and 0% strongly disagree. The graph shows the details of the evaluation. The course objectives were clear and course proceeded according to the way of achieving this. The graph of "The Course Objectives were clear" indicates this, 49% strongly agreed, 35% agreed, 5% are uncertain, 30% disagreed and 1% strongly disagree. The teacher has managed the course workload very well. The graph "The Course workload was manageable" show this, 12% strongly agreed, 55% agreed, 5% are uncertain, 25% disagreed and 6% strongly disagree.
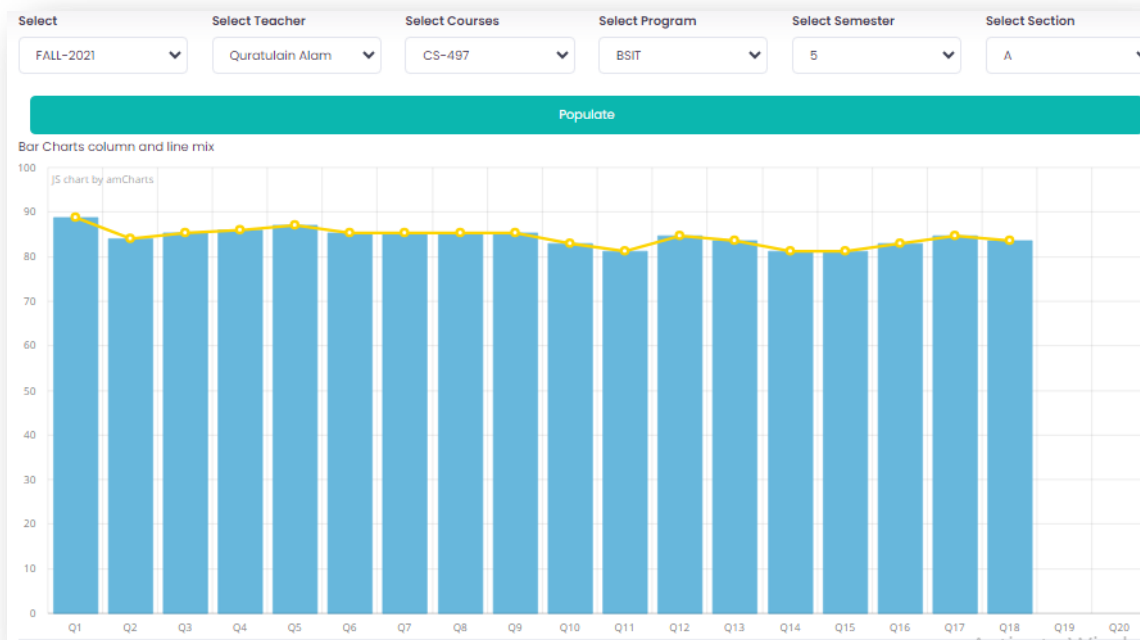
General Comments by Students about this course:

Strengths:

- Course objectives are clear.

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

- Course was well structured to achieve the learning outcomes

- The Course workload was manageable

Weaknesses:

- No significance weakness was found

Ms. Safina Bashir (CS-576)

The course was very well organized. This can bee seen in the graph "The course was well organized", 25% strongly agreed, 43% agreed, 5% are uncertain, 21% disagreed and 0% strongly disagree. The graph "The course simulated student's interests and thought on the subject" shows that 56% strongly agreed,32% agreed, 41% are uncertain, 21% disagreed and 0% strongly disagree. The graph "Course was well structured to achieve the learning outcomes" shows that 78% were strongly agreed, 22% agreed, 11% are uncertain, 22% disagreed and 5% strongly disagree. The graph shows the details of the evaluation. The course objectives were clear and course proceeded according to the way of achieving this. The graph of "The Course Objectives were clear" indicates this, 43% strongly agreed, 25% agreed, 5% are uncertain, 10% disagreed and 1% strongly disagree. The teacher has managed the course workload very well. The graph "The Course workload was manageable" show this, 82% strongly agreed, 75% agreed, 5% are uncertain, 30% disagreed and 6% strongly disagree. The instructor recommended relevant and appropriate study material for this course. The graph "Learning materials (lesson plans, course notes etc.) were relevant and useful" reflects this, 48% strongly agreed, 65% agreed, 0% are uncertain, 3% disagreed and 1% strongly disagree.
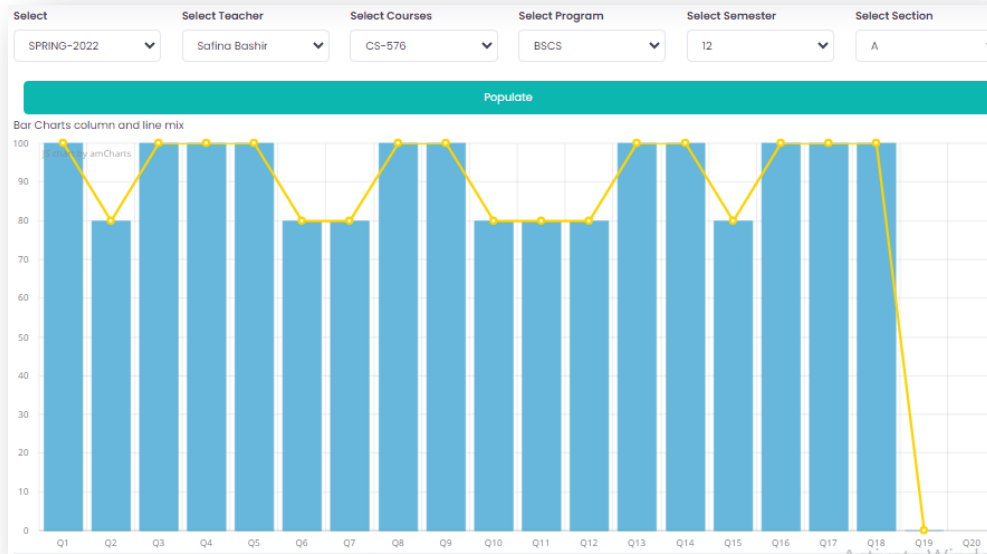
General Comments by Students about this course:

    Strengths:

        •   The Course workload was manageable

        •   Clear Objectives

        •   Well organized material

    Weaknesses:

        •   No significance weakness was found

Ms. Saira Sultana (CS-536)

The course was very well organized. This can be seen in the graph "For Course management" ,77% strongly agreed, 22% agreed, 11% are uncertain, 20% disagreed and 5% strongly disagree. The graph "The course simulated students interests and thought on the subject" shows that 55% strongly agreed, 33% agreed, 42% are uncertain, 21% disagreed and 0% strongly disagree. The graph shows the details of the evaluation. The course objectives were clear and course proceeded according to the way of achieving this. The graph of "The Course Objectives were clear" indicates this, 89% strongly agreed, 11% agreed, 4% are uncertain, 8% disagreed and 1% strongly disagree. The teacher has managed the course workload very well. The graph "The Course workload was manageable" show this, 62% strongly agreed, 73% agreed, 5% are uncertain, 30% disagreed and 6% strongly disagree.

The instructor recommended relevant and appropriate study material for this course. The graph "Learning materials (lesson plans, course notes etc.) were relevant and useful" reflects this, 42% strongly agreed, 43% agreed, 0% are uncertain, 2% disagreed and 1% strongly disagree.
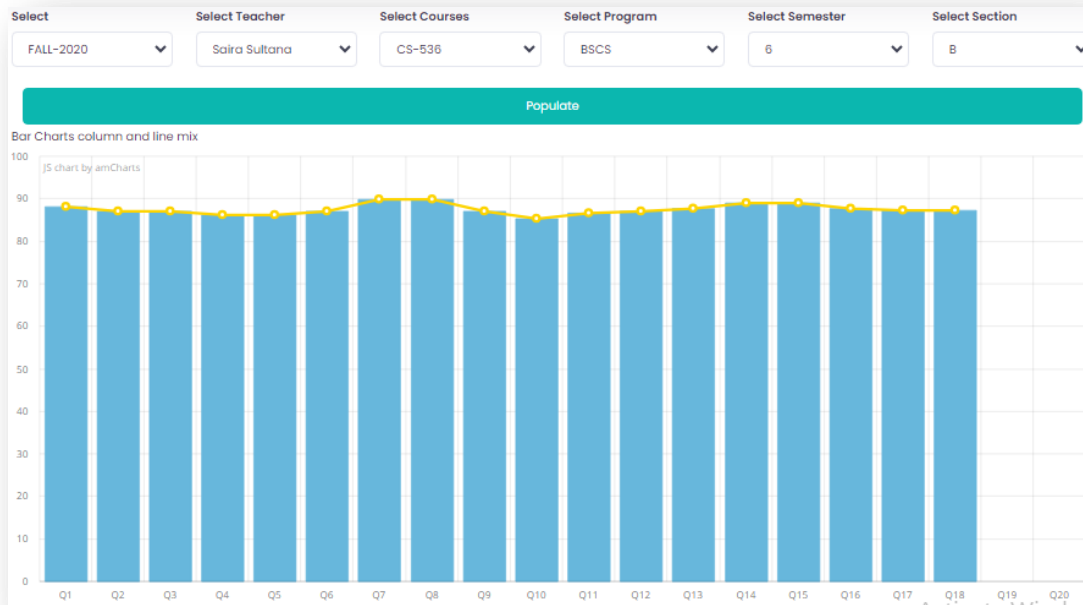
General Comments by Students about this course:
Strengths:

- Active participation

- Course objectives not clear

- Learning material (lesson plans, course notes etc.) was not relevant and useful

- Course needs to be well structured to achieve the learning outcomes

- The Course workload should be manageable

- The course should simulate students interests and thought on the subject

Weaknesses:

- No significance weakness was found

Strengths of Program/Institute

The course curriculum is well designed and updated. The institute has hired new faculty members to meet the needs of the students. The curriculum is up to date.

Weakness of Program/Institute

There should be more sitting place on the campus in extreme summer weather for the visiting faculty members.

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

As the BS(SE) program is not a research-oriented program. At BS(SE) levels, such topics are covered which are related to the latest trends so that students can have knowledge of the research fields and final degree projects are preferred to be the implementation of some latest existing research work.

Table 3 Performance measures for research activities

Faculty	Publications in Journals/Conferences	Publications in proceedings/abstracts	Research Projects
Dr. Muzzamil Ghaffar	6	-	8
Dr. M Asif Khan	6	1	3
Dr. Javaid Ullah Khan	4	3	-
Dr. Rehan Masood	2	3	3
Dr. M. Shahid	2	3	3
Mr. Hamid Hussain Awan	1	3	-
Mr. Fazal Rehman Shamil	2	2	4
Mr. Iftikhar	-	1	5
Mr. Noman Al Hassan	-	3	4

Ms. Sehrish Khalil	1	-	-
Ms. Qurat-Ul-Ain Alam	1	3	1
Ms. Ayesha Siddique	-	-	-
Mr. Sohail Ahmed	1	2	-
Mr. Seemab Janjua	-	3	5
Ms. Saira Sultana	-	2	6
Mr. Shahid Rathore	1	1	-
Ms. Tayyaba Kalsoom	-	1	3
Ms. Sadia Zar	-	2	4
Ms. Sumaira Aslam	-	2	2

Future Plans

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

Table 4: Quantitative Assessment of the Department

Sr. #	Particular	No.	Remarks
I	BSSE Degree awarded	Nil	For the year 2022-2024
II	MS(IT) Degree awarded	-	--
III	Ph.D. Degree awarded	-	--
Iv	Post-Doc Fellowship	-	--
V	Students: Faculty Ratio	-	14: 1
VI	Technical: Nontechnical Ratio	-	Fulfill HEC criteria

Alumni Survey

The purpose of this survey was to obtain alumni input on the quality of education, knowledge and communication and Interpersonal skills they received and the level of preparation they had at University. The total of 52 students provided the data. The survey results were shown as follows.
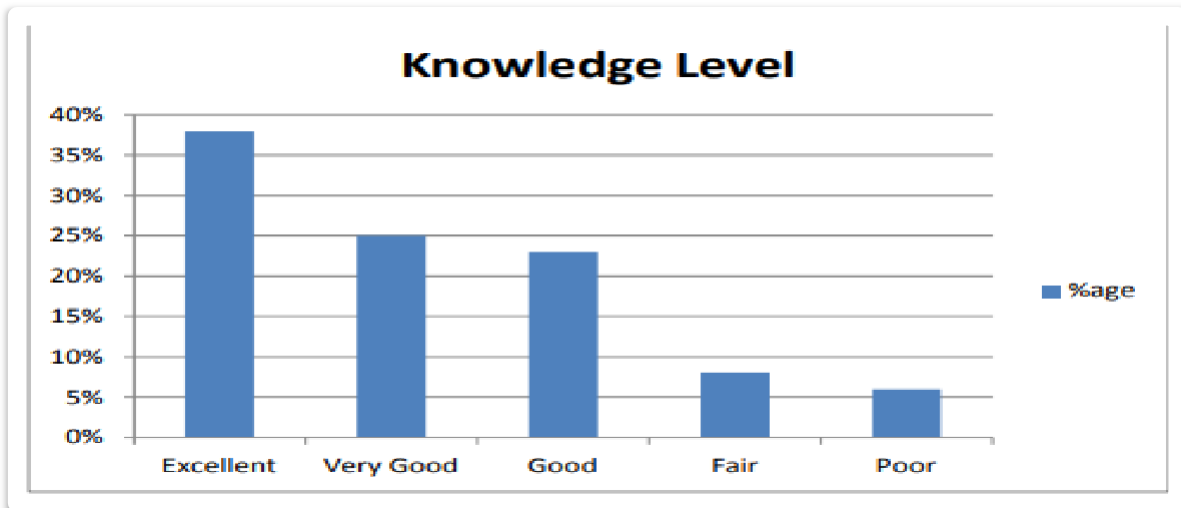
Figure 3: Result of Alumni Survey

It has been observed that 38% responded excellent regarding their abilities to work. 25% answered very good, 23% responded that department has improved their presentation skills. 08% has shown fair response and 06% have shown poor response.

Survey of Graduating Students

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. A survey is conducted for the students of last semester and feedback is collected on Performa 3. The results are summarized. A set of questions is present in the Performa 3. The graph from the summarized results shows that 48% students are very satisfied from program, 31% are satisfied, 10% are dissatisfied, and 11% are very dissatisfied.
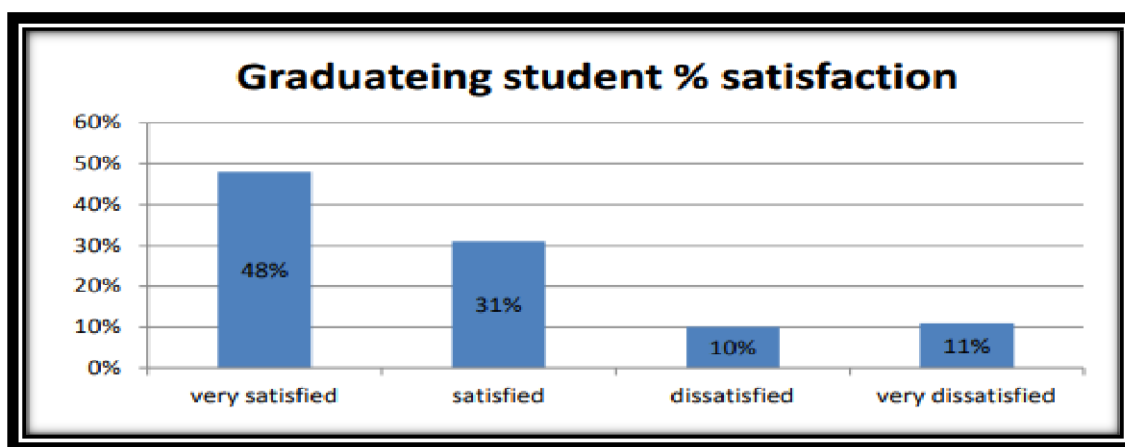
Figure 4: Survey of Graduating Students

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 equipment

- The environment is conductive to learning

Weaknesses:
- 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

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Employer Survey

A survey has been conducted and feedback has been collected from the employees where students have BSSE degree from BIMS are working. The results are summarized in the figure given below.
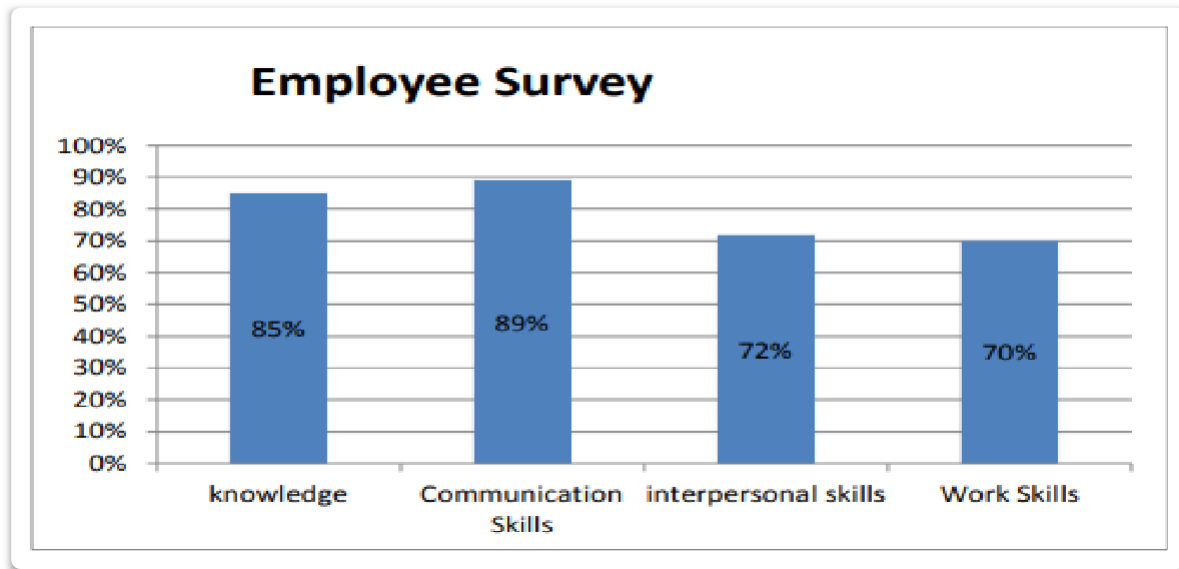
Figure 5: Employee Survey for Determining the Student's Skill Level

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

CRITERION 2: CURRICULUM DESIGN AND ORGANIZATION

Degree Title: BS (SE) Bachelors of Sciences in Software Engineering

The courses for the degree program are designed by the Academic Council Committee of PMAS Arid Agriculture University Rawalpindi. BIMS adheres to the policies and regulations of its parent university, PMAS-AAUR. As an affiliate of PMAS-AAUR, BIMS follows the curriculum set by the University Institute of Information Technology (UIIT). This body, led by the Director of UIIT as its convener, is responsible for formulating the syllabus and course content. Once developed, the courses are submitted to the academic council for approval.

Definition of Credit Hour

A student is required to complete a specified number of credit hours. One credit hour corresponds to either one theory lecture or two hours of laboratory (practical) work per week. Each credit hour is valued at 20 marks.

Degree plan

Presently Three-degree programs are being offered in Department of Computer Sciences and Information Technology. BS (SE), BS (CS) and MCS: The BS (SE) degree program consists of 4 academic years / 8 semesters.

There are total 44 courses of 136 credit hours in total as below:

Computing — Core Courses	(39/136)	10 courses
Computing — Supporting Sciences	(15/136)	5 courses
SE — Core Courses	(18/136)	8 courses
SE — Electives	(21/136)	5 courses
SE— Supporting Sciences	(6/136)	5 courses
General Education Courses	(19/136)	7 courses
University Electives	(18/136)	3 courses

Table 4.3: Curriculum Course Requirements

Semester	Courses	Math and Basic Science		Core Courses	Humanities and Social Sciences	Technical Electives
		Math	Basic Science			
1	6	3		7	8	
2	6		6	7	2	3
3	6	3		7	3	6
4	6	3		9	3	3
5	6			6		12
6	6			9		9
7	6			6	3	9

8	2			6		3
Total	44(136)	3(9)	2(6)	17(57)	7(19)	15(45)
Minimum Requirment	(136)	(12+15=27)		(40+21=61)	(18)	(21+9=30)

<div style="background:gray">

Standard 2-1: The curriculum must align with and support the stated objectives of the program.

</div>

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

Table 5: Courses versus Objectives

Course	Objectives					
	1	**2**	**3**	**4**	**5**	**6**
CS-582	+++	++++	++++	++++	++++	++++
CS-423	++	+++	+	++++	+ +	++
SSH-302	+++	+++	++	++++	++	++++
MGT-411	++	++	+++	++	++	++++
CS-685	+++	++	++	++	+++	++
CS-542	+ +	++	++++	+++	++	++++
CS-576	+++	++++	++	+++	+++	++++
ENG-315	++	++	++	++	+++	++
CS-692	++	++	++	++	++++	+++
CS-632	++++	+ +	+	++	++	++++
CS-301	++	+++	++	++++	++++	+++
MTH-310	+	++	++	++++	++	+
CS-335	+++	+++	++++	++	++	++
CS-301	+++	++	++	+++	++	++++
CS-335	++	++	+	++	++	++
CS-430	+	++	++	+ +	++	++
CS-536	++	++	++	++	++	++++
MTH-415	+++	++	+	+ +	+++	+
CS-452	++	++	+	+++	++	++
MGT-322	+++	+	++	++	+++	++
CS-530	+++	+	++	+	++	++
CS-685	++	++	+	+++	+++	+++
CS-636	+++	++	++	++	+++	+++
CS-632	++	++	++++	++	++	+++
STT-500	++	+++	+	++	++	++
CS-692	+	+++	++	+	+	++

+ = Moderately Satisfactory, +++ = Satisfactory, ++++ = Highly Satisfactory

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

Table 4.5: Standard 2-2 Requirement

Element	Course Code	Course Title
Theoretical Background	ENG-305	English Composition & Comprehension
	IS-302	Islamic Studies
	SSH-302	Pakistan Studies
	ELE-401	Basic Electronics
	MGT-421	Islamic Studies II
	CS-452	Software Engineering I
	ENG-325	Communication Skills
	CS-300	Introduction to Info. & Comm. Technologies
	CS-577	Computer Communication and Networks
	CS-684	Network management and security
	CS-301	Introduction to Computing
	MGT-316	Introduction to Marketing
	ENG-315	Technical and Business Writing
	SSH-303	Professional Ethics
	PSY-600	Psychology
	CS-582	Operating System Concepts
Problem Analysis	CS-335	Discrete Structures
	MTH-310	Calculus and Analytical Geometry
	MTH-315	Multivariable Calculus
	MGT-421	Probability and Statistics
	CS-430	Digital Logic Design
	SE-510	Introduction to Simulation & Modeling
	STT-500	Statistics and Probability
	MTH-435	Linear Algebra
	CS-542	Analysis of Algorithms
	SE-415	Software Engineering II
	CS-742	Software Project Management
	CS-532	Computer Architecture
	SE-736	Software Quality Engineering
Solution Design	CS-323	Programming Fundamentals
	CS-536	Theory of Automata and Formal Languages
	SE-454	Software Requirements Engineering
	CS-423	Object Oriented Programming
	CS-400	Database Systems
	CS-443	Data Structures and Algorithms

	CS-565	Web Design and Development
	CS-530	Computer organization and Assembly language
	SE-415	Software Re-Engineering
	SE-540	Software Construction & Development
	CS-692	Visual Programming
	SE-440	Software Design & Architecture
	CS-600	Distributed Database Systems
	CS-565	Web Engineering
	CS-575	Human Computer Interaction

Standard 2-3: The curriculum must meet the core requirements of the program as outlined by the relevant accreditation body.

The curriculum is structured in accordance with the requirements of the Accreditation Council of Pakistan and has been formally approved by the Academic Council of PMAS-AAUR.

Standard 2-4: The curriculum fulfills the major requirements established by HEC

The curriculum meets the major requirements set by HEC. All courses in the BSSE program are designed in accordance with HEC standards and have been formally approved by the university's Academic Council.

Standard 2-5: The curriculum fulfills the general education, arts, professional, and other disciplinary requirements established by HEC.

The course distribution in the BSSE curriculum aligns with the requirements of HEC and UAAR. Key courses representing this component are included in the curriculum and are successfully implemented across all current disciplines, taught by highly qualified instructors.

Standard 2-6: The information technology component must be seamlessly integrated throughout the curriculum.

The BSSE degree is a professional program in computer science, incorporating extensive programming and application courses. It covers core subjects in computer science, software engineering, and information technology.

Table 4.5(a): Credit Hour Division

Category	Credit Hours	Cumulative Credit Hours
Computing-Core Courses	39	
Major (Computer Sciences/Software Engineering/Information Technology)-Core Courses	18	78
Major (Computer Sciences/Software Engineering/Information Technology) Based –Electives	21	
Supporting Sciences	21	
General Electives	19	58
University Electives	18	
Total Credit Hours		136

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 following General education courses are included as per HEC criterion.

Table 4.5(b): General Education Courses

Course Code	Course Title	Credit Hours
ENG-305	English Composition & Comprehension	3(3-0)
ENG-315	Technical Business Writing	3(3-0)
ENG-325	Communication Skills	3(3-0)
SSH-303	Professional Ethics	3(3-0)
IS-302	Islamic Studies	2(2-0)
SSH-302	Pakistan Studies	2(2-0)
CS-301	Intro to Info. & Comm. Technologies	3(2-2)

CRITERION 3: LABORATORIES AND COMPUTING FACILITIES

Table 6: Laboratory Facility

Size of campus (in kanals)	**23 Kanals**					
Covered area (sq ft)	**13.5 Kanals (Including 4 Kanal Covered Parking)** **Open Area: 9.5 Kanals (for student activities)**					
Types of lecture Rooms	**Class Room**		**Seminar hall**			
Rooms	**22 of different sizes (Avg. 540 sqft)**		**50 x 50 ft**			
Instructional facilities provided in lecture rooms	**Multimedia:16** **White Board:33**		**Overhead projectors:3** **Sound System:2**			
General Computing lab facilities	**Approximately 12 hours per day** **5 Labs**					
PCs Lab hours	**250 PCs** **Lab open 8:00am-8:00pm**					
Nature and level Of networking	**40 Mbps Internet Bandwidth PTCL – 20 MB** **Nayatel – 20 MB (Fiber Optic)**					
Specialized lab facilities and hours of their availability	**Linux lab Teaching lab** **Project labs** **The labs are open almost the whole day from 8:00 am to 8:00pm**					
Average lifetime of a PC in computing labs	**3 to 4 years**					
Library information	**Area**	**Automated**	**Total**	**Total**	**journals**	**IEEE** **ACM**
	3000 Sft		**books**	**Computer Books**		
		Automated	**10,0000**	**1200**	**peer- reviewed journals and magazines.**	**BIMS has an access to digital library services being extended by HEC**

Assessment of BSSE Curriculum

The assessment framework for the BS Software Engineering (BSSE) degree program is presented in a tabular format, highlighting the contribution of each course to the program's outcomes. The structure is as follows:

- **Software Engineering Courses:** The program integrates introductory, intermediate, and advanced-level software engineering courses to ensure a progressive and comprehensive understanding of the field.

- **Mathematics Courses:** A robust selection of mathematical courses equips students with the skills necessary for mathematical modeling and developing numerical solutions critical to software design and problem-solving.

- **Management and Business Courses**: These courses provide students with insights into business processes and infrastructures, preparing them for the integration of software solutions in real-world business environments.

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

Laboratory manuals for all practical subjects are meticulously prepared and provided to students. These manuals are also available in soft copy format at the institute.

Standard-3.2: There must be support personnel 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:	6
Multimedia Projector Count:	16
Over Head Projectors Count:	3

E-learning Facility: Video Conferencing, Digital

Library Total Lab Computers: 250

Total No. of Labs: 5

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

BIMS offers ample computing facilities for students, with a total of 250 computers distributed across five laboratories to support their academic and practical needs.

CRITERION 4: STUDENT SUPPORT AND ADVISING

Our Institute 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.

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 UIIT, 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 PMAS-AAUR.

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 future challenges. Theoretical problems are explained and assignments are also given to the students whereas, practical are carried out in the labs. Study tours to various research organizations and software houses are also organized to keep them updated on the latest developments in the area and to stimulate them for discussion through teacher/student interaction.

- BS (SE) courses are well designed and updated in the institute board of studies meeting.
- At start of semester, the faculty members of institutes interact frequently among themselves and with students. Institute always encourages the interaction between each section of BSSE classes.

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, Students Placement Office has been established.

Table 7: Student to Teacher Ratio at BIMS

2020-21	2021-22	2022-23	2023-24
17:1	15:1	14:1	14:1

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 the rules and criteria set by PMAS-AAUR. For this purpose, an advertisement is published in the national newspapers.

- Admission criteria for BS(SE) are Intermediate Certificate, with Mathematics (Pre-Eng. / ICS /DAE) or A-level or an equivalent certificate from any recognized Institute with at least 50% marks.

- 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's name, after completion of the admission process, is forwarded to the Registrar's office of PMAS-AAUR for proper registration in the specific program and the registration number is issued to the student.
- Registration is done in 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 for the faculty followed by the BIMS is the same as recommended by the PMAS-AAUR. Induction of all posts is done as per rules.
- Vacancies and newly created positions are advertised in the national newspapers, applications are received by the Human Resource 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 alternate candidates are selected.
- Selection of candidates is approved by the Board of Investors for issuing orders to join within a specified period.
- Induction of new candidates depends upon the number of approved vacancies.
- The standard sets by HEC/PMAS-AAUR are followed.

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, the parent university PMAS-AAUR 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 PMAS-AAUR 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 BSSE, the minimum pass marks for each course is 40%.

Standard 6-1: The program must ensure an adequate number of full-time faculty members who are dedicated to providing consistent and stable coverage across all program areas and courses. Faculty interests and qualifications should align with the program's requirements, enabling them to effectively teach courses, as well as plan, revise, and update curricula. Each faculty member should possess a level of expertise typically acquired through graduate-level education in the relevant discipline.

In the following table we have mentioned the overall available faculty. The entire faculty is either MS or PhD.

Table 8: Courses and Faculty Detail

Program area of specialization	Courses in the area and average number of sections per year	Number of faculty members in each area	Number of faculty with PhD degree
Area1.	BSSE has no specialization area.		
Total	45 Courses, 8 Sections	21	9

Below is the detail of faculty members at BIMS for the BSSE program.Full-time Faculty Information.

Table 9: Faculty Distribution by Faculty Specialization

Full time faculty	Number of faculty members with Phd	Number of faculty with MS	Total Number of lecturers for BSSE
30	9	21	30

All faculty members are recruited based on the degree offered by the institute. As there is no specialization offered in degree's the student enrolled get similar degree. Consequently, faculty distribution across programs is not categorized by specialization.

S. No.	Name	Position	Qualification	Specialization
1	Dr. Muzzamil Ghaffar	Assistant Professor	Ph D	Artificial Intelligence
2	Dr. Javid Ullah	Assistant Professor	Ph.D	Computer Sciences
3	Dr. M. Shahid	Assistant Professor	Ph.D	Computer Science
4	Dr. M. Junaid Umer		Ph. D	Artificial Intelligence.
5	Dr. Sara Khalid		Ph. D	Computer Science
6	Dr. Bilal Saeed		Ph D	Computer Science
7	Dr. Ghulam Fareed Laghari		Ph D	Computer Science
8	Mr. Shahid Rathode		Ph D	Networking
9	Dr. Fida Khan	Professor	PhD	Electrical Engineering
10	Noman Al Hassan	Lecturer	MS	Computer Science
11	Mr. Haroon ur Rasheed	Lecturer	MS	Computer Science
12	Mr. Khalid Hussain Chohan	Lecturer	MS	Computer Science
13	Ms. Sehrish Khalil	Lecturer	MS	Computer Science
14	Ms. Fakhar Un Nisa	Lecturer	MS	Computer Science
15	Mr. Masim Ali	Lecturer	MS	Computer Science
16	Mr. Muhammad Luqman	Lecturer	MS	Artificial Intelligence
17	Ms. Iqra Yasmin	Lecturer	MS	Computer Science
18	Mr. Mifzal Ahmad Khan	Lecturer	MS	Computer Science
19	Mr. Hassan Jamil	Lecturer	MS	Computer Science
20	Mr. Sohail Ameen	Lecturer	MS	Computer Science
21	Mr. Mehdi Abbas Shah	Lecturer	MS	Computer Science
22	Ms Maryam Bibi	Lecturer	MS	Computer Science
23	Ms Farah Naz	Lecturer	MS	Computer Science

24	Ms. Muneeba Islam	Lecturer	MS	Computer Science
25	Ms. Mufzila Raheem	Lecturer	MS	Computer Science
26	Mr. Syed Umair Kazmi	Lecturer	MS	Computer Science
27	Mr. Ibrar Hussain	Lecturer	MS	Computer Science
28	Ms Sara Sultana	Lecturer	MS	Computer Science
29	Mr. Shahzeb Iqbal	Lecturer	MS	Computer Science
30	Mr. Shujaat Hussain	Lecturer	MS	Artificial Intelligence
30	Mr.Abdul Majid	Lecturer	M. Phil	Economics

Standard 6-2: All faculty members must stay updated in their discipline, with adequate time allocated for scholarly activities and professional growth. Additionally, well-structured faculty development programs must be implemented to ensure effectiveness.

- The institute provides paid study leave and, where possible, additional allowances to support faculty members' academic pursuits.

- All faculty members have access to high-speed internet, the digital library, and a curated selection of renowned academic journals to aid in their research and teaching.

- The institute offers financial support for attending conferences, with travel grants available contingent upon adherence to institutional policies and guidelines.

- Faculty members are incentivized for engaging in innovative research through dedicated research incentives, promoting academic excellence and advancement.

Standard 6-3: All faculty members should be actively motivated and experience job satisfaction to thrive and excel in their professional roles.

The majority of faculty members express satisfaction with the balance between research and teaching methods. They are pleased with the administrative support provided for both research and teaching activities. Faculty also report a positive overall climate at the institute. Most faculty members feel that their skills and capabilities are being effectively utilized by the institution. To further support their growth, faculty should be encouraged to continue excelling throughout their careers. The results of the faculty survey are summarized in the table below.

Table 10: Result of Faculty Survey

S.No	Parameters	Dr. M Asif Khan	Dr. Javaid Ullah	Dr. M Shahid	Dr. Rehan Masood	Mr. Noman Al Hassan	Mr. Seemab Janjua	Mr. Masim Ali	Ms. Iqra Yasmin	Ms. Sehrish Khalil	Ms. Fakhar Un Nisa	Ms. Maryam Bibi	Mr. Sohail Ahmed	Ms. Saira Sultana	Ms. Farah Naz
1	Your mix of research, teaching and community service	A	A	B	A	A	A	A	A	B	A	A	B	A	A
2	The intellectual stimulations of your work.	B	B	B	B	B	B	B	B	B	B	B	A	B	B
3	Type of teaching /research you currently do.	A	A	A	A	A	A	A	A	A	A	A	B	A	A
4	Your interaction with students.	B	B	A	B	B	B	B	B	B	B	B	A	B	B
5	Cooperation you receive form colleagues.	A	A	A	A	A		A	A	A	A	A	B	A	A
6	The mentoring available to you.	B	B	B	B	B		B	B	B	B	B	B	B	B
7	Administrative support from the department.	A	A	B	A	A	B	A	A	A	A	A	A	A	A
8	Providing clarity about the faculty promotion process.	B	B	B	B	B	B	B	B	A	B	B	A	B	B
9	Your prospects for advancement and progress through ranks.	A	A	B	A	A	B	A	A	B	A	A	B	A	A
10	Salary and compensation package.	B	B	A	B	B	B	B	B	A	B	B	E	B	B
11	Job security and stability at the department.	A	A	B	A	A	B	A	B	A	A	A	A	A	A

#	Question	12	13	14	15	16
		B	A	B	BS (SE)	More research-oriented programs should be offered.
		B	A	B	BS (SE)	It is better to offer new courses.
		A	B	B	BS (SE)	More research-oriented programs should be offered.
		B	A	B	BS (SE)	It is better to offer new courses.
		B	A	B	BS (SE)	It is better to offer new courses.
		B	B	B	BS (SE)	More research-oriented programs should be offered.
		A	B	A	BS (SE)	Different workshop related to IT should.
		B	A	B	BS (SE)	More research-oriented programs should be offered.
		B	A	B	BS (SE)	More research-oriented programs should be offered.
		B	A	B	BS (SE)	Justified work load.
		A	B	A	BS (SE)	It is better to offer new courses.
		B	A	A	BS (SE)	More research-oriented programs should be offered.
		B	A	B	Admin is iterative Support.	More research-oriented programs should be offered.
		B	A	B	BS SE	It is better to offer new courses in the existing programs.
12	Amount of time you have for yourself and family.					
13	The overall climate at the department.					
14	Whether the department is utilizing your experience and Knowledge					
15	What are the best programs / facts currently available in your department that enhance you motivation and job satisfaction					
16	Suggest programs/ factors that could improve your motivation and job satisfaction?					

A= Very Satisfied; B= Satisfied; C=Uncertain; D= Dissatisfied; E= Very Dissatisfied

CRITERION 7: INSTITUTIONAL FACILITIES

The institution is equipped with the necessary infrastructure to support emerging trends in learning, including e-learning, digital publications, and access to online journals. The library maintains an up-to-date technical collection that is directly relevant to the program, supported by professional staff. A comprehensive collection of technical books, recommended readings, and relevant journals is readily available to both students and faculty.

Standard- 7.1: The institution must possess the infrastructure necessary to facilitate emerging learning trends, such as e-learning.

The university's faculty members and students have full access to the e-library and internet services, which significantly enhances their ability to conduct research and stay updated with the latest academic resources. This access provides essential support for their professional development and academic activities.

Standard- 7.2: The library should maintain a current and comprehensive technical collection that aligns with the program's needs and be staffed with qualified professionals to support its use.

The University Central Library is well-equipped with an ample collection of books, journals, and periodicals. It is a valuable resource, offering spacious facilities and an organized cataloging system, meeting the standards expected of a university library.

Standard- 7.3: Classrooms should be properly equipped, and faculty offices must be sufficient in size and resources to support faculty in effectively carrying out their responsibilities.

All classrooms and offices are furnished with the latest equipment, ensuring a comfortable and conducive environment for work at all times.

CRITERION 8: INSTITUTIONAL SUPPORT

The institute's administration has been working diligently to strengthen and upgrade all departments while establishing new faculties. Additionally, efforts are being made to attract highly qualified faculty members.

Standard 8-1: There must be adequate support and financial resources to attract and retain high-quality faculty, as well as provide the necessary means for them to sustain their competence as educators and scholars.

The institute currently has limited resources for research. However, the following funds are allocated to attract and retain highly qualified faculty members.

Endowment Fund	50 Million
Tangible Assets	43 Million
Working Capital	61 Million
Total Assets	154 Million

Standard 8-2: There must be a sufficient number of high-quality graduate students, research assistants, and Ph.D candidates.

Below is the list of students enrolled in the BSSE program over the past 2 years. Please note that BIMS is not accredited to offer a Ph.D. degree.

Table 11: Number of students enrolled in BSSE in 2023-2024

Year	BSSE
2023	113
2024	185

Standard- 8.3: Adequate financial resources must be allocated to acquire and maintain library collections, laboratory facilities, and computing infrastructure.

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

Table 9: Financial Information about the institution and the Program

LIB Holdings	5 Million
Laboratories +Computer Hardware	10 Million
Computing (Software)	4 Million
Total Assets	19 Million

SUMMARY AND CONCLUSION

The Self-Assessment Report (SAR) of the Barani Institute of Management Sciences (BIMS), affiliated with Pir Mehr Ali Shah Arid Agriculture University, Rawalpindi, evaluates the performance of the Bachelor in Software Engineering (BSSE) program against specified criteria. The report begins with an overview of the institute, followed by a detailed examination of the BSSE program, highlighting its significance, key features, objectives, outcomes, and mechanisms for assessing those objectives.

The BSSE program is a four-year degree offering a comprehensive array of software engineering courses. To ensure an optimal teaching and learning experience, visiting faculty members collaborate with full-time faculty to balance the academic workload and fulfill instructional requirements effectively. Throughout the semester, the quality of teaching and courses is consistently evaluated in accordance with the Higher Education Commission (HEC) regulations to maintain high academic standards.

The curriculum of the BSSE program aligns with market demands and international standards for computer education, adhering to HEC guidelines. It integrates a balanced mix of mathematical, statistical, and management courses to equip students with a holistic skill set for professional excellence. Additionally, general courses are included to enhance students' written and oral communication skills. To further strengthen their professional capabilities, faculty and students are encouraged to organize workshops and seminars as part of their academic and practical learning.

BIMS embraces modern educational trends, including e-learning and digital resources such as journals and publications. Students and faculty have full-time access to the e-library and internet via the local area network, ensuring convenient access to renowned journals and resources relevant to their research fields.

Program Team Member

Members: **Ms. Iqra Yasmeen**

                    Ms. Farah Naz Anika

                    Mr. Umair Kazmi

                    Ms. Maryum Bibi

ANNEXURE I: ALUMNI SURVEY

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

		Excellent	Very Good	Good	Fair	Poor
I	**Knowledge**					
1	Math, Science, Humanities and professional discipline, (if applicable)	33%	50%	9%	8%	0%
2	Problem formulation and solving skills	56%	23%	11%	8%	2%
3	Collecting and analyzing appropriate data	39%	43%	7%	8%	3%
4	Ability to link theory to practice	46%	38%	3%	5%	8%
5	Ability to design a system component or process	40%	30%	15%	12%	3%
6	IT knowledge	51%	37%	8%	2%	2%
II	**Communication Skills**					
1	Oral communication	50%	26%	15%	4%	5%
2	Report writing	55%	31%	8%	4%	2%
3	Presentation skills	27%	35%	13%	18%	7%
III	**Interpersonal Skills**					

1	Ability to work in teams.	47%	10%	28%	8%	7%
2	Ability to work in arduous/Challenging situation	37%	45%	10%	3%	5%
3	Independent thinking	50%	29%	14%	5%	2%
4	Appreciation of ethical Values	28%	37%	22%	8%	5%
IV	**Management/Leadership Skills**					
1	Resource and Time management skills	35%	48%	3%	10%	4%
2	Judgment	54%	24%	12%	5%	5%
3	Discipline	73%	10%	8%	5%	4%
V	**General Comments**					
VI	**Career Opportunities**					
VII	**Department Status**					
1	Infrastructure	31%	43%	12%	12%	2%
2	Faculty	47%	30%	12%	8%	3%
3	Repute at national level	61%	35%	4%	0%	0%
4	Repute at International Level	14%	47%	10%	6%	23%

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

		Very Satisfied	Satisfied	Uncertain	Dissatisfied	Very Dissatisfied
1	The work in the program is too heavy and induces a lot of pressure.	59%	30%	2%	4%	4%
2	The program is effective in enhancing team-work abilities.	54%	35%	0%	7%	4%
3	The program administration is effective in supportive learning	37%	35%	15%	4%	9%
4	The program is effective in developing analytical and problem solving skills.	45%	37%	9%	4%	4%
5	The program is effective in developing independent thinking.	54%	20%	14%	4%	8%
6	The program is effective in developing written communication skills.	50%	35%	11%	0%	4%
7	The program is effective in developing planning abilities.	45%	35%	4%	9%	7%
8	The objectives of the program have been fully achieved.	45%	39%	9%	2%	4%
9	Whether the contents of the curriculum are advanced and meet program objectives.	41%	35%	13%	4%	7%
10	The faculty was able to meet the program objectives.	45%	30%	9%	11%	4%
11	The environment was	32%	30%	20%	4%	13%

	conducive for learning				
12	Whether the infrastructure of the department was good	32%	15%	35%	13%	4%
13	Whether the program was comprised of Co-curricular and extra-curricular activities	24%	17%	33%	17%	9%
14	Whether scholarships/grants were available to students in case of hardship.	67%	22%	9%	2%	0%

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)	55%	24%	15%	3%	3%
2	Problem formulation and solving skills	50%	31%	6%	9%	3%
3	Collecting and analyzing appropriate Data	49%	26%	17%	3%	6%
4	Ability to link theory to practice	37%	34%	17%	12%	0%
5	Ability to design a system component or Process	45%	32%	9%	9%	5%
6	Computer knowledge	68%	9%	5%	9%	9%
II	**Communication Skills**					
1	Oral communication	36%	30%	18%	12%	3%
2	Report writing	39%	26%	17%	4%	13%
3	Presentation skills	39%	27%	17%	5%	12%
III	**Interpersonal Skills**					
1	Ability to work in teams.	49%	17%	31%	3%	0%
2	Leadership	32%	32%	21%	0%	14%
3	Independent thinking	37%	53%	11%	0%	0%
4	Motivation	42%	31%	12%	8%	8%

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

Name:	Dr. Muzzamil Ghaffar
Personal:	Marital Status: Married Nationality: Pakistani muzzamilghaffar@gmail.com 0332-5049629
Experience:	13 years
Honors and Awards	First place in National Robotics Design Competition, MS and PhD fellowship. HEC IPFP fellow 2024.
Memberships	Pakistan Engineering Council.
Graduate Students Postdocs Undergraduate Students Honor Students	YES
Service Activity	Teaching
Brief Statement of Research Interest	Artificial Intelligence, Machine learning, Energy efficiency.
Publications	6
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	Workshops, Seminars

FACULTY RESUME

Name:	Dr. Javid Ullah
Personal:	Marital Status: Married Nationality: Pakistani Email: javidullah@bims.edu.pk Phone: +92-51-4853701
Experience:	12 year
Honors and Awards	Merit Based Scholarship
Memberships	Admission Committee, Department of Computer Sciences. Quality Enhancement Cell (QEC) team member, Department of Computer Sciences
Graduate Students Postdocs Undergraduate Students Honor Students	Yes
Service Activity	Teaching, Research
Brief Statement of Research Interest	Artificial Intelligence
Publications	5
Research Grants and Contracts	No
Other Research or Creative Accomplishments	No
Selected Professional Presentations	No

FACULTY RESUME

Name:	Dr. Muhammad Junaid Umer
Personal:	Department of Computer Sciences Barani Institute of Management Sciences Email: junaid14841@gmail.com Contact: 0314-5226453
Experience:	4 years
Honors and Awards	Scholarship in PhD.
Memberships	
Graduate Students Postdocs Undergraduate Students Honor Students	YES
Service Activity	Teaching.
Brief Statement of Research Interest	➤ Computer Sciences ➤ Deep learning ➤ AI ➤ ML
Publications	8
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	Workshops, Seminars

FACULTY RESUME

Name:	Dr. M. Shahid
Personal:	Marital Status: Married Nationality: Pakistani Department of Computer Sciences. Barani Institute of Management Sciences shahid@bims.edu.pk 051-4853702
Experience:	10 years
Honors and Awards	Nil
Memberships	Admission Committee ,Department of Computer Sciences QEC member, Department of Computer Sciences
Graduate Students Postdocs Undergraduate Students Honor Students	Nil
Service Activity	Teaching
Brief Statement of Research Interest	Computer Science
Publications	Nil
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	-

FACULTY RESUME

Name:	Dr. Sara Khalid
Personal:	Marital Status:Unmarried Nationality: Pakistani Email: mssaramalik@gmail.com Phone: 0334-5004776
Experience:	15 year
Honors and Awards	English Language Spoken B.ed
Memberships	
Graduate Students Postdocs Undergraduate Students Honor Students	Yes
Service Activity	Teaching, Research
Brief Statement of Research Interest	-
Publications	3
Research Grants and Contracts	No
Other Research or Creative Accomplishments	No
Selected Professional Presentations	No

FACULTY RESUME

Name:	Dr. Bilal Saeed
Personal:	Marital Status: Married Nationality: Pakistani Email: e.bilalsaeed@gmail.com Phone: +92-333-9079078
Experience:	11 year
Honors and Awards	
Memberships	PTCL
Graduate Students Postdocs Undergraduate Students Honor Students	Yes
Service Activity	Teaching, Research
Brief Statement of Research Interest	-
Publications	7
Research Grants and Contracts	No
Other Research or Creative Accomplishments	No
Selected Professional Presentations	No

FACULTY RESUME

Name:	Dr. Ghulam Fareed Laghari
Personal:	Marital Status: Married Nationality: Pakistani Email:Ghulam.fareed.laghari@gmail.com Phone: +92-315-3042757
Experience:	08 year
Honors and Awards	National ICT R&D fund PHD Fellowship
Memberships	
Graduate Students Postdocs Undergraduate Students Honor Students	Yes
Service Activity	Teaching, Research
Brief Statement of Research Interest	-
Publications	5
Research Grants and Contracts	No
Other Research or Creative Accomplishments	No
Selected Professional Presentations	No

FACULTY RESUME

Name:	Dr. Shahid Rathode
Personal:	rathode@bims.edu.pk 0333-5242453
Experience:	7 years
Honors and Awards	-
Memberships	Comprehensive Committee, Department of Computer Sciences
Graduate Students Postdocs Undergraduate Students Honor Students	YES
Service Activity	Teaching
Brief Statement of Research Interest	Networking
Publications	-
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	Workshops, seminars

FACULTY RESUME

Name:	Dr. Fida Khan
Personal:	Marital Status: Married Nationality: Pakistani Email:fidamuhammadkhan1@gmail.com Phone: +92-334-8910933
Experience:	19 year
Honors and Awards	
Memberships	
Graduate Students Postdocs Undergraduate Students Honor Students	Yes
Service Activity	Teaching, Research
Brief Statement of Research Interest	-
Publications	-
Research Grants and Contracts	No
Other Research or Creative Accomplishments	No
Selected Professional Presentations	No

FACULTY RESUME

Name:	Noman Al Hassan
Personal:	Marital Status: Married Nationality: Pakistani Email: nomanalhassan@bims.edu.pk Phone: +92-333-5757399
Experience:	05 year
Honors and Awards	EADS (Euro Copter) internship
Memberships	IEEE
Graduate Students Postdocs Undergraduate Students Honor Students	Yes
Service Activity	Teaching, Research
Brief Statement of Research Interest	-
Publications	-
Research Grants and Contracts	No
Other Research or Creative Accomplishments	No
Selected Professional Presentations	No

FACULTY RESUME

Name:	Mr.Haroon Ur Rasheed
Personal:	Marital Status: Married Nationality: Pakistani haroon.matteen@gmail.com
Experience:	10 years
Honors and Awards	-
Memberships	Admissions Committee
Graduate Students Postdocs Undergraduate Students Honor Students	Yes
Service Activity	Teaching
Brief Statement of Research Interest	Computer Sciences
Publications	5
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	Workshops, seminars

FACULTY RESUME

Name:	Mr. Khalid Hussain Chohan
Personal:	chohankh@gmail.com Contact: +92300-5207499
Experience:	20 years
Honors and Awards	A project of ERA Asian Development Bank
Memberships	
Graduate Students Postdocs Undergraduate Students Honor Students	Yes
Service Activity	Teaching.
Brief Statement of Research Interest	
Publications	5
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	-

FACULTY RESUME

Name:	Ms. Sahrish Khalil
Personal:	Department of Computer Sciences Barani Institute of Management Sciences sahrish123@yahoo.com 0333-3332467
Experience:	07 years
Honors and Awards	Nil
Memberships	Admission Committee ,Department of Computer Sciences QEC member, Department of Computer Sciences
Graduate Students Postdocs Undergraduate Students Honor Students	Yes
Service Activity	Teaching
Brief Statement of Research Interest	Web Development
Publications	Nil
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	-

FACULTY RESUME

Name:	Ms.Fakhar Un Nisa
Personal:	Marital Status: Unmarried Nationality: Pakistani Email: fakharunnisa.95@gmail.com Phone: +92343-5056224
Experience:	03 years
Honors and Awards	-
Memberships	No
Graduate Students Postdocs Undergraduate Students Honor Students	Yes
Service Activity	Teaching, Research
Brief Statement of Research Interest	
Publications	
Research Grants and Contracts	No
Other Research or Creative Accomplishments	No
Selected Professional Presentations	No

FACULTY RESUME

Name:	Ms. Sohail Ameen
Personal:	Marital Status: Married Nationality: Pakistani Samin807@yahoo.com 0336-0563705
Experience:	10 years
Honors and Awards	
Memberships	PAF
Graduate Students Postdocs Undergraduate Students Honor Students	Yes
Service Activity	Teaching
Brief Statement of Research Interest	Computer Sciences
Publications	
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	Workshops, seminars

FACULTY RESUME

Name:	Mr. Masim Ali
Personal:	Department of Computer Sciences Barani Institute of Management Sciences Masimali814@gmail.com Contact: +923049288370
Experience:	03 years
Honors and Awards	-
Memberships	➢ Admission Committee, Department of Computer Sciences
Graduate Students Postdocs Undergraduate Students Honor Students	Yes
Service Activity	Teaching.
Brief Statement of Research Interest	Computer Sciences
Publications	-
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	-

FACULTY RESUME

Name:	Mr. Muhammad Luqman
Personal:	Department of Computer Sciences Barani Institute of Management Sciences Luqman.saim@gmail.com 03226207404
Experience:	03 years
Honors and Awards	Nil
Memberships	
Graduate Students Postdocs Undergraduate Students Honor Students	Nil
Service Activity	Teaching
Brief Statement of Research Interest	
Publications	Nil
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	-

FACULTY RESUME

Name:	Ms. Iqra Yasmin
Personal:	Marital Status:unmarried Nationality: Pakistani Email: eqramalik61@gmail.com Phone: +9234888327
Experience:	6 years
Honors and Awards	-
Memberships	No
Graduate Students Postdocs Undergraduate Students Honor Students	Yes
Service Activity	Teaching, Research
Brief Statement of Research Interest	
Publications	-
Research Grants and Contracts	No
Other Research or Creative Accomplishments	No
Selected Professional Presentations	No

FACULTY RESUME

Name:	Mr. Mifzal Ahmad Khan
Personal:	Department of Computer Sciences Barani Institute of Management Sciences Mfizal_pk@yahoo.com Contact: +923439904965
Experience:	13 years
Honors and Awards	Punctuality and Efficiency Award 2016-2018, Preston University Islamabad
Memberships	
Graduate Students Postdocs Undergraduate Students Honor Students	YES
Service Activity	Teaching.
Brief Statement of Research Interest	
Publications	
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	-

FACULTY RESUME

Name:	Mr. Hassan Jamil
Personal:	Department of Computer Sciences Barani Institute of Management Sciences (BIMS) hassanjamiltlg@gmail.com 0307-5338123
Experience:	3 years
Honors and Awards	Nil
Memberships	
Graduate Students Postdocs Undergraduate Students Honor Students	Nil
Service Activity	Teaching
Brief Statement of Research Interest	Computer Sciences
Publications	Nil
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	-

FACULTY RESUME

Name:	Mr. Mahdi Abbas Shah
Personal:	Marital Status: Married Nationality: Pakistani Email: Mahdi.abbas1214@gmail.com Phone: +92314-4913418
Experience:	05 years
Honors and Awards	-
Memberships	No
Graduate Students Postdocs Undergraduate Students Honor Students	Yes
Service Activity	Teaching, Research
Brief Statement of Research Interest	
Publications	-
Research Grants and Contracts	No
Other Research or Creative Accomplishments	No
Selected Professional Presentations	No

FACULTY RESUME

Name:	Ms. Maryum Bibi
Personal:	Marital Status: Unmarried Nationality: Pakistani maryamnoor986@gmail.com 0300-9732879
Experience:	02 years
Honors and Awards	-
Memberships	
Graduate Students Postdocs Undergraduate Students Honor Students	-
Service Activity	Teaching
Brief Statement of Research Interest	-
Publications	1
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	Workshops, seminars

FACULTY RESUME

Name:	Ms.Farha Naaz
Personal:	Department of Computer Sciences Barani Institute of Management Sciences , Rawalpindi, Pakistan. Farah.naz24@gmail.com Contact: +923032459786
Experience:	03 years
Honors and Awards	-
Memberships	
Graduate Students Postdocs Undergraduate Students Honor Students	YES
Service Activity	Teaching.
Brief Statement of Research Interest	
Publications	-
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	-

FACULTY RESUME

Name:	Ms. Muneeba Islam
Personal:	Muneebaislam887@gmail.com 0332-5918833
Experience:	2 years
Honors and Awards	Nil
Memberships	
Graduate Students Postdocs Undergraduate Students Honor Students	Nil
Service Activity	Teaching
Brief Statement of Research Interest	
Publications	Nil
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	-

FACULTY RESUME

Name:	Ms. Mufzalla Rahim
Personal:	Marital Status: Married Nationality: Pakistani Email: mufzalla@bims.edu.pk Phone: +92-51-4853703
Experience:	06 years
Honors and Awards	-
Memberships	No
Graduate Students Postdocs Undergraduate Students Honor Students	-
Service Activity	Teaching, Research
Brief Statement of Research Interest	Limit theory in probability and large sample theory in statistics. Statistical Inference for Stochastic Processes
Publications	-
Research Grants and Contracts	No
Other Research or Creative Accomplishments	No
Selected Professional Presentations	No

FACULTY RESUME

Name:	Mr. Syed Umair Kazmi
Personal:	Department of Computer Sciences Barani Institute of Management Sciences Umairkazmi56@gmail.com Contact: +92308-8877040
Experience:	02 years
Honors and Awards	-
Memberships	
Graduate Students Postdocs Undergraduate Students Honor Students	YES
Service Activity	Teaching.
Brief Statement of Research Interest	Computer Sciences and AI
Publications	-
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	-

FACULTY RESUME

Name:	Ms.Ibrar Hussain
Personal:	Department of Computer Sciences Barani Institute of Management Sciences Ih147171 @gmail.com Contact: +92170746273
Experience:	02 years
Honors and Awards	-
Memberships	
Graduate Students Postdocs Undergraduate Students Honor Students	YES
Service Activity	Teaching.
Brief Statement of Research Interest	
Publications	-
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	-

FACULTY RESUME

Name:	Ms.Saira Sultana
Personal:	Department of Computer Sciences Barani Institute of Management Sciences saira@bims.edu.pk Contact: +92-51-4853703
Experience:	04 years
Honors and Awards	-
Memberships	➢ Admission Committee, Department of Computer Sciences. ➢ Quality Enhancement Cell (QEC) team member, Department of Computer Sciences
Graduate Students Postdocs Undergraduate Students Honor Students	YES
Service Activity	Teaching.
Brief Statement of Research Interest	Computer Sciences
Publications	-
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	-

FACULTY RESUME

Name:	Mr. Shahzeb Iqbal
Personal:	Department of Computer Sciences Barani Institute of Management Sciences Shahzebiqbal749@gmail.com Contact: +923164148644
Experience:	02 years
Honors and Awards	-
Memberships	
Graduate Students Postdocs Undergraduate Students Honor Students	YES
Service Activity	Teaching.
Brief Statement of Research Interest	
Publications	-
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	-

FACULTY RESUME

Name:	Mr.Shujat Hussain
Personal:	Marital Status:unmarried Nationality: Pakistani 0315-5241412
Experience:	2 years
Honors and Awards	-
Memberships	Admission Committee.
Graduate Students Postdocs Undergraduate Students Honor Students	YES
Service Activity	Teaching
Brief Statement of Research Interest	Computer Sciences, AI
Publications	-
Research Grants and Contracts	-
Other Research or Creative Accomplishments	As described above
Selected Professional Presentations	Workshops, seminars

ANNEXURE IV: 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:	Software Engineering		Faculty:	Barani Institute of Management Sciences	
Course Code	CS– 323	Title:	Programming fundamentals		
Session:	2024	Semester:	Spring		
Credit Value:	4(3-2)	Level:	BSSE	Prerequisites:	
Name Of Course Instructor:	Ms. Iqra Yasmin	No. of Students Contact Hours	Lectures (2 hours) Labs (2 hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)		Quizzes, Assignment, Lab Practical, Mid Term, Final term			

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

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

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

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

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

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

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

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

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

Name:___Ms. Iqra yasmine_____Date_____

    (Course Instructor)

Name:__Dr. Hafeez Ur Rahman_____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:	Software Engineering		Faculty:	Barani Institute of management sciences	
Course Code	CS-552	Title:	Software Engineering-II		
Session:	2024	Semester:	Spring		
Credit Value:	3(3-0)	Level:	BSCS-3	Prerequisites:	Software Engineering-I
Name Of Course Instructor:	Ms. Saira Sultana	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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Post Graduate	Originally Registered	%Grade A	%Grade B	%Grade C	D	E	F	No Grade	Withdrawal	**Total**
No. of Students	41	7.317%	43.90%	43.90%	2.439%	N/A	2.439%			

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

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 Saira Sultana   Date_____

    (Course Instructor)

Name: Dr. Hafeez Ur Rahman   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:	Software Engineering		Faculty:	Barani Institute of management sciences	
Course Code	CS-685	Title:	Human Computer Interaction		
Session:	2024	Semester:	Spring		
Credit Value:	3(3-0)	Level:	BSCS 2	Prerequisites:	MTH-310
Name Of Course Instructor:	Ms. Saira Sultana	No. of Students Contact Hours	Lectures (3 hours) Labs (N/A)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term				

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

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

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

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

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

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

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

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

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

Name: Ms.Saira Sultana   Date_____

    (Course Instructor)

Name: Dr. Hafeez Ur Rahman   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:	Software Engineering		Faculty:	Barani Institute of management sciences	
Course Code	CSC-205	Title:	Software Engineering		
Session:	2023	Semester:	Fall		
Credit Value:	3(3-0)	Level:	BS(CS)	Prerequisites:	STT – 500
Name Of Course Instructor:	Ms.Sumaira Sarwar	No. of Students Contact Hours 2 hours Daily	Lectures (3 hours) Labs (N/A)	Programming fundamental	
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term At least 6 quizzes and 3 assignments				

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

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

Overview /Evaluation (Course Co-Coordinator's Comments)

Feedback: first Summariz 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.

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: Ms.Sumaira Sarwar   Date
    (Course Instructor)

Name: Dr. Hafeez Ur Rahman   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:	Software Engineering		Faculty:	Barani Institute of management sciences	
Course Code	CS-583	Title:	Operating system		
Session:	2023	Semester:	Fall		
Credit Value:	3(3-0)	Level:	BSCS-3	Prerequisites:	NA
Name Of Course Instructor:	Ms. Asma Rauf	No. of Students Contact Hours 2 hours Daily	Lectures (3 hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term At least 6 quizzes and 3 assignments				

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

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

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

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

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

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

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

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

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

Name:____Ms. Asma Rauf_____Date_____

    (Course Instructor)

Name:__Dr. Hafeez Ur Rahman_____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:	Software Engineering	Faculty:	Barani Institute of management sciences		
Course Code	CS-601	Title:	Database Administration and Management		
Session:	2024	Semester:	Spring		
Credit Value:	3(2-2)	Level:	BSCS	Prerequisites:	NA
Name Of Course Instructor:	Ms.Asma Rauf	No. of Students Contact Hours			
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc.)		Quizzes, Assignment, Mid Term, Final term 6 Quizez, 6 Assignment 1 mid, 1 final			

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

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

Overview /Evaluation (Course Co-Coordinator's Comments)

Feedback: first Summarize, then comment feedback received form: (These boxes will expand as

you type in your answer.)

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

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

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

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

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

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

Name: Ms. Asma Rauf   Date_____

(Course Instructor)

Name: Dr. Hafeez Ur Rahman 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:	Software Engineering	Faculty:	Barani Institute of management sciences	
Course Code	CS-432	Title:	MPL	
Session:	Fall 2023	Semester:	Fall	
Credit Value:	3(2-2)	Level:	BSCS	Prerequisites:
Name Of Course Instructor:	Mr.Saeed Nawaz	No. of Students Contact Hours	Lectures (2 hours) Labs (2 hours)	
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)		Quizzes, Assignment, Mid Term, Final term		

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

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

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

1) Student (Course Evaluation) Questionnaires
110

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: Mr. Saeed Nawaz   Date_____

        (Course Instructor)

Name: Dr. Hafeez Ur Rahman   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:	Software Engineering		Faculty:	Barani Institute of management sciences	
Course Code	CS-542	Title:	Analysis of Algorithms		
Session:	Spring 2020	Semester:	SPRING		
Credit Value:	3(3-0)	Level:	BSCS-4	Prerequisites:	
Name Of Course Instructor:	Ms.Saira Sultana	No. of Students Contact Hours	Lectures (3 hours) Labs (N/A)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)	Quizzes, Assignment, Mid Term, Final term				

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

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

Overview /Evaluation (Course Co-Coordinator's Comments) Feedback: first Summarize, then comment feedback received form:

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 Ms.Saira Sultana_____Date_____

        (Course Instructor)

Name:__Dr. Hafeez Ur Rahman_____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:	Software Engineering		Faculty:	Barani Institute of management sciences	
Course Code	CS-465	Title:		Web Design & Development	
Session:	Spring 2024	Semester:		Spring	
Credit Value:	3(2-2)	Level:	BSCS-6	Prerequisites:	
Name Of Course Instructor:	Ms.Sahrish Khalil	No. of Students Contact Hours	Lectures (2 hours) Labs (2 hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)		Quizzes, Assignment, Mid Term, Final term			

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

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

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

1) Student (Course Evaluation) Questionnaires

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: Ms.Sahrish Khalil   Date_____

         (Course Instructor)

Name: Dr. Hafeez Ur Rahman   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:	Software Engineering		Faculty:	Barani Institute of management sciences	
Course Code	CS-632	Title:	Artificial intelligence		
Session:	Spring 2024	Semester:	SPRING		
Credit Value:	3(2-2)	Level:	BSCS-6	Prerequisites:	
Name Of Course Instructor:	Mr. Seemab Zafar	No. of Students Contact Hours	Lectures (2 hours) Labs (2 hours)		
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)		Quizzes, Assignment, Mid Term, Final term			

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

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

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

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

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

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

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

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

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

Name   Mr.Seemab Zafar   Date_____

        (Course Instructor)

Name: Dr. Hafeez Ur Rahman   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:	Software Engineering		Faculty:	Barani Institute of management sciences	
Course Code	CS-687	Title:	Parallel & Distributed Computing		
Session:	2023	Semester:	Fall		
Credit Value:	3(2-2)	Level:	BSCS-7	Prerequisites:	
Name Of Course Instructor:	Ms. Iqra Yasmin	No. of Students Contact Hours 2 hours daily	Lectures (3 hours) Labs (2)	Digital Logic and Design	
Assessment Methods: Give precise details (no & length of assignments, exams weightings, etc)		Quizzes, Assignment, Mid Term, Final term At least 6 quizzes and 3 assignments			

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

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

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

1) Student (Course Evaluation) Questionnaires

2) External Examiners or Moderators (if any)

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

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

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

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

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

Name:＿＿＿Dr.Asif Khan＿＿＿＿Date＿＿＿＿＿＿＿＿＿＿＿＿＿＿

   (Course Instructor)

Name:＿Dr. Hafeez Ur Rahman＿＿＿＿＿＿Date＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿

   (Director)