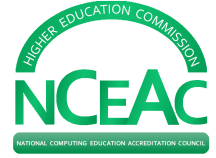




Higher Education Commission
National Computing Education Accreditation Council
(NCEAC)



Undergraduate Degree Program Review Worksheet

Shaheed Benazir Bhutto University, Shaheed Benazirabad, Nawabshah

Accreditation Visit for BS Information Technology(Spring 2021, Spring 2023, Spring 2024, Spring 2022,)

Accreditation Inspection Committee (AIC) & Date of Visit

Convener - Noor Ahmed Shaikh (26 February 2025)

Member - Dr Shahnawaz Talpur (26 February 2025)

Overall Comments

AIC Team

Note: Information presented here was provided by Accreditation Inspection Team and Institution.

The following issues were observed during the accreditation visit for the IT program and need to be addressed:

1. Establishing an Industrial Advisory Board at the Department Level:

There is a lack of structured industry input to align academic programs with current market trends. An Industrial Advisory Board can provide valuable insights for curriculum development and industry collaborations.

2. Enhancing FYP and Establishing a Hardware Lab:

The existing Final Year Project (FYP) lab requires upgrades, and there is a need to establish a dedicated hardware lab to support hands-on learning and practical skill development.

3. Increasing the Number of Faculty Members:

The current faculty strength is insufficient to meet the growing academic and research demands. Additional qualified faculty members are required to improve student-faculty interaction and ensure quality education.

4. Encouraging Students' Participation in Exhibitions and Competitions:

Limited participation in national and international competitions restricts students' exposure to industry trends and innovation. More opportunities should be provided to enhance their practical and competitive skills.

5. Defining Clear Policies for Graduation Requirements:

The department needs well-defined policies for graduation requirements, including credit hours, internship criteria, and project evaluations, to ensure consistency and transparency.

6. Strengthening Students' Career Counseling:

Students lack structured guidance on career paths, job opportunities, and industry requirements. A dedicated career counseling framework is needed to support them in making informed career choices.

7. Expanding Industrial Linkages:

Collaboration with industries is limited, affecting internship placements and industry-driven projects. Strengthening industrial linkages will enhance students' practical exposure and employability.

8. Further Reinforcing the CQI Process:

The Continuous Quality Improvement (CQI) process needs to be more structured and regularly reviewed to ensure academic excellence and compliance with accreditation standards.

9. Hire more faculty members properly maintain the student Teacher ratio

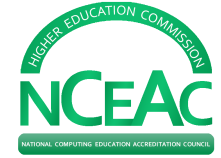
10. A replacement policy for the computer in the labs may be framed and approved from the concerned forums and be implemented for keeping the labs updated with the state of the art technology.

Institute

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- Thank you for the valuable feedback provided during the accreditation visit. the department acknowledges the identified areas and is actively taking steps to address them. efforts are underway to establish and IAB, upgrade FYP Lab and setup a hardware lab. recuritment of additional faculty is being prioritiezed to maintain the students teachers ratio. polices for gradution requirement are being reviews, and initiatives to enhance students participation in competitions, careers counselling and industry linkages are being strengthened. thank you.

Institute

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Note: Information presented here was provided by Accreditation Inspection Team and Institution.

Criterion - Program Objectives (POs)

1. The institution has defined program objectives (POs) which are consistent with the vision and mission of the institution.

Satisfactory

AIC Team

Compliant

Institute

Thank ou for your feedback. department will continue to monitor and improve our process to ensure the alignment with vision and mission.

2. There is a process in place to evaluate the attainment of POs and the institution has set some Key Performance Indicators (KPIs) for this purpose.

Satisfactory

AIC Team

Compliant

Institute

Thank you for feedback. we will continue to monitor and improve the processes to ensure the effective attainment of POs and alignment.

3. There is a process in place by which the institution takes steps to review its program considering POs attainment.

Concern

AIC Team

Assessment data gathered, but no analysis and evaluation carried out.

Institute

The analysis result will present in next visit and PO are modified in 8th BoS meeting

4. There exists a mechanism that involves alumni, faculty and industry in formulation and review of POs.

Weakness

AIC Team

Mechanism exits but it is not practiced.

Institute

The committee has been established and will convene a meeting with all stake holders

Note: Information presented here was provided by Accreditation Inspection Team and Institution.

Criterion - Graduate Attributes (GAs)

- 1. Graduate Attributes are clearly defined encompassing attributes outlined in Section D.5 of Seoul Accord Document. These have been adopted by institution's relevant statutory body.**

Satisfactory

AIC Team

Compliant

Institute

Thank you for your feedback.

- 2. There is a well-defined process for the periodic review and revision of GAs.**

Concern

AIC Team

Room for improvement.

Institute

Thanks for your feedback. the department has adopted the GA as per given NCEAC, will improve time to time.

- 3. The institution has mapped its GAs to the POs of the program.**

Satisfactory

AIC Team

Compliant

Institute

Thanks for feedback. the department will continue monitor and improve the same process

- 4. There is a documented process for the assessment and evaluation of GAs attainment?**

Satisfactory

AIC Team

Compliant

Institute

Thank you for your feedback.

Note: Information presented here was provided by Accreditation Inspection Team and Institution.



Criterion - Curriculum and Learning Process

1. Curriculum is in compliance with program specific HEC curriculum guidelines.

Satisfactory

AIC Team

Compliant

Institute

Thank you for your feedback, department will continue monitor and ensure the implementation of curriculum as per HEC and NCEAC

2. Adequate exposure to Complex Problems (CPs) and design activities.

Weakness

AIC Team

Limited exposure to CPs in courses and labs

Institute

Thank you for your feedback, students are provided with adequate exposure to CP and design activities as part of their curriculum and project and the department will improve the processes

3. Availability of program specific well-equipped labs to supplement theoretical knowledge/ classroom learning.

Satisfactory

AIC Team

Compliant

Institute

Thank you for your feedback

4. Lab work and its assessment mechanism supports attainment of the required skills.

Concern

AIC Team

Students are offered limited hands-on opportunity to develop the required skills; assessment mechanism is generally not appropriate

Institute

Note: Information presented here was provided by Accreditation Inspection Team and Institution.



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Thank you for the observation. we acknowledge the need to enhance hands on learning opportunities and are taking step to integrate more practical sessions, labs, and industry-driven projects into the curriculum, additionally we are reviewing and refining our assessment mechanism to ensure they effectively measure the intended skills and learning version.

5. Course Learning Outcomes (CLOs) are defined for all courses and are mapped to relevant GAs.

Satisfactory

AIC Team

Compliant

Institute

Thank your for your feedback.

6. Formal involvement of industry in curriculum development / revision.

Weakness

AIC Team

Process in place but not regularly practiced

Institute

thank you for your feedback and will continue process regularly.

7. Employment of other aspects (supplementary tools and practices) of student learning such as tutorial system and seminar / workshops, etc. to enhance student learning, in addition to regular classroom interaction and lab experimentation. Minimum expectation is that faculty office hours are announced and adhered to.

Concern

AIC Team

Some aspects of student learning are practiced.

Institute

thank you for your feedback and will display the free office hours of faculty members and circulate to students.

8. Exposure to cooperative learning through supervised and mandatory internship program with formal feedback from the employer.

Concern

AIC Team

Internships are arranged, with some feedback but no analysis for program improvement.

Note: Information presented here was provided by Accreditation Inspection Team and Institution.

Institute

thank you for your feedback, the internships are offered on regular bases the analysis report will present in next visit.

9. Sufficient opportunities to invoke intuitiveness and originality of thought through Problem Based Learning (PBL), Design Projects and Open-Ended labs.

Concern

AIC Team

The formalized use of Design projects, Open-Ended labs and PBL is there but practiced in few breadth and depth courses

Institute

thank you for your feedback and will present of all core subjects in next visit.

10. Assessment of various learning outcomes (GAs/CLOs) employing appropriate direct / indirect methods.

Concern

AIC Team

Use of inappropriate rubrics for assessment of skills.

Institute

thank you for your feedback and will improve the rubrics and present in next visit.

11. Final Year Design projects (FYDP) include complex problems and design of systems, components or processes integrating core areas and meeting specified religious, cultural and societal aspects.

Weakness

AIC Team

FYDPs are CPs of medium difficulty level.

Institute

thank you for your feedback and will improve.

12. FYDP project deliverables and the reports are graded according to well-defined mechanism.

Concern

AIC Team

FYDP has an assessment mechanism of rubrics and SOPs for project deliverables and reports; yet the evidence of attainment of GAs mapped to FYDP is not available and the quality of reports is not satisfactory and requires further rigorous proof editing by the supervisor and committee.

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Institute

thank you for your feedback, the rubrics and committee are already defined and mapped with GA, the department will improve and present in next visit.

Criterion - Students

- 1. Admission Criteria meets / exceeds minimum eligibility criteria prescribed by NCEAC Regulations.**

Satisfactory

AIC Team

Compliant

Institute

Thank you for your feedback.

- 2. Annual intake is in-line with the maximum intake allowed by NCEAC.**

Satisfactory

AIC Team

Compliant

Institute

Thank you for your feedback.

- 3. Well documented policy on transfer of students only from other accredited program restricting transfer of less than 50% of credit hours required for the degree.**

Concern

AIC Team

Policy in place but not strictly adhered to in matters other than necessitating award of a Deficiency.

Institute

thank your for your feedback, the department will work on it and prepare the separte draft policy as per guidelines of HEC and nceac

- 4. Availability of designated student counselors to advise / counsel students regarding academic / career matters and provide assistance in managing their health, financial, stress, emotional and spiritual problems.**

Concern

AIC Team

Note: Information presented here was provided by Accreditation Inspection Team and Institution.



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Student counseling effective in limited areas.

Institute

thank you for your feedback as counseling office already working for whole university, the department will improve and assign responsibility to a faculty member

5. Manageable class-size (maximum of 50 for theory classes) and lab groups (2-3 students per workstation for hands-on type experiments, larger groups may be manageable for demonstration type)

Satisfactory

AIC Team

Compliant

Institute

Thank you for your feedback.

6. Manageable semester academic load (i.e. 15-18 credit hours on the average)

Satisfactory

AIC Team

Compliant

Institute

Thank you for your feedback.

7. Completion of courses as evident from course-files and through student feedback.

Concern

AIC Team

Course completion in a few courses is less than 90%.

Institute

thank you for your feedback. the department will monitor and ensure the 100% completion of course and will design the course completion proforma as well.

8. Students' participation in national / international engineering exhibitions and / or competitions, and facilitation by program for such participations.

Weakness

AIC Team

Note: Information presented here was provided by Accreditation Inspection Team and Institution.

Limited participation

Institute

thank you for your feedback. the department will give more opportunity to students to participate in national and international events.

9. Quality of process to evaluate student performance and suggest / take corrective measures.

Concern

AIC Team

Assessment is carried out but limited corrective actions are taken

Institute

thank you for your feedback and department will take step to improve the processes.

10. How the program is inculcating community services.

Concern

AIC Team

Informal mechanism requiring community service exists.

Institute

thank your for your feedback. students participate in activities like environmental drives, health camps, and educational programs, which help them develop a sense of social responsibility and apply their knowldge for the betterment of society.

Criterion - Faculty and Support Staff

1. Faculty Strength as per NCEAC guidelines.

Satisfactory

AIC Team

Compliant

Institute

thank you for your feedback.

2. Balanced qualified faculty as specified in NCEAC guidelines.

Concern

AIC Team

Note: Information presented here was provided by Accreditation Inspection Team and Institution.

Insufficient faculty in any one core area of the program

Institute

thank you for your feedback, at present we have 05 PhD faculty members with 11 regular MS faculty members and two MS faculty members on contract. in 2025. further we will improve the quantity as well as quality of faculty members.

3. Formal mechanism for faculty training and mentoring on pedagogical skills including OBE concepts and implementation methodologies.

Concern

AIC Team

Formal training but not covering all areas.

Institute

thank you for your feedback the department will arrange the training programs in specific area.

4. Effectiveness of faculty development program to ensure their professional growth and retention.

Satisfactory

AIC Team

Compliant

Institute

thank you for your feedback

5. Faculty workload as specified in NCEAC guidelines.

Concern

AIC Team

Faculty workload is balanced but no facilitation to young faculty for pursuing higher studies.

Institute

thank you for your feedback, as 04 four faculty members are on study leave of PhD (germony and malaysia)

6. Course files maintained as per NCEAC guidelines.

Concern

AIC Team

Note: Information presented here was provided by Accreditation Inspection Team and Institution.

Course files though maintained but lack essential information, analysis regarding completion of contents and attainment of learning outcomes (GAs)

Institute

thank you for your feedback, the department will continue monitor the and ensure the course files as per NCEAC requirement.

7. Faculty research, publications and sponsored projects from industry/donor agencies, etc.

Concern

AIC Team

Limited faculty research/publications/ sponsored project in recent years

Institute

thank you for your feedback, the department will take steps to secure funded projects from various funding agencies and some faculty members have already successfully obtained research grants.

8. Qualified support staff in the program to look after the administrative functions of the program and to look after laboratories.

Concern

AIC Team

Adequate support staff but not qualified to look after laboratories.

Institute

thank you for your feedback, as the lab assistant are MS holders further department will engage them properly to ensure the smooth conduct of lab tasks

Criterion - Facilities and Infrastructure

1. Adequacy of teaching and learning facilities, e.g. classroom environment and availability of various teaching aids, etc.

Satisfactory

AIC Team

Compliant

Institute

Note: Information presented here was provided by Accreditation Inspection Team and Institution.

thank you for your feedback

2. Provision of program specific labs (as per curriculum), workshops, and associated lab equipment for complementing the class / theory work.

Concern

AIC Team

Non-functional and/or very old equipment of limited use

Institute

thank you for your feedback, the department will write and allocate the funds for latest lab equipments as per the availability of funding.

3. Adequacy of library resources and facilities.

Satisfactory

AIC Team

Compliant

Institute

thank you for your feedback.

4. Provision of sufficient computing facilities and internet access / resources allocated for the program.

Weakness

AIC Team

Limited computing and internet access

Institute

thank you for your feedback, the department will ensure the lab resources and internet facility to all students.

5. Provision and effectiveness of consulting and career placement services provided to the students.

Satisfactory

AIC Team

Compliant

Institute

thank you for your feedback.

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- 6. Adequacy of support facilities such as hostels, sports and recreational centers, health care centers, student centers, and transport facilities.**

Satisfactory

AIC Team

Compliant

Institute

thank you for your feedback.

- 7. Adequacy of arrangements made / measures taken to ensure work-place safety (EHS concerns) in general, and while performing experiments in the labs. in particular**

Concern

AIC Team

EHS concept/SOPs exist but occasionally / limited practiced. (No evidence)

Institute

thank you for your feedback. the department will monitor and ensure safety in general and labs

Criterion - Institutional Support and Financial Resources

- 1. Adequacy of institutional financial resources to ensure program's sustainability and meeting of recurring as well as developmental requirements.**

Satisfactory

AIC Team

Compliant

Institute

thank you for your feedback.

- 2. Evidence of continued financial commitment in the form of increasing endowment and recurring /development budget since last accreditation visit.**

Satisfactory

AIC Team

Compliant

Note: Information presented here was provided by Accreditation Inspection Team and Institution.

Institute

thank you for your feedback.

3. Provision of funding for R&D pursuits and presentations/publication of research papers.

Concern

AIC Team

Some funding for R&D pursuits and publications (in the last 2-3 years)

Institute

thank you for your feedback, the department will write to competent authority.

Criterion - Steps to Improve the Program

1. Documented and institutionalized policies to review POs, GAs and CLOs after every semester/ academic year based on previous years' experience and feedback.

Concern

AIC Team

Review process is well documented, institutionalized and practiced at all levels, but some of the corrective actions are not taken.

Institute

thank you for your feedback, the department will monitor and ensure all the steps to improve the quality, mapping and attainment of PO and GA

2. Actions taken / implementation plans worked out to address the weaknesses identified in the last accreditation visit report.

Satisfactory

AIC Team

Compliant

Institute

thank you for your feedback.

3. Improvement in Faculty Strength / Qualifications since last accreditation visit, if required.

Satisfactory

AIC Team

Note: Information presented here was provided by Accreditation Inspection Team and Institution.



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Compliant

Institute

thank you for your feedback.

4. Continuation of Faculty Publications, R&D and Consultancy activities.

Satisfactory

AIC Team

Compliant

Institute

thank you for your feedback.

5. Addition of any new facilities.

Satisfactory

AIC Team

Compliant

Institute

thank you for your feedback.

6. New initiative(s) taken since last accreditation visit including content delivery, assessment and evaluation processes, etc.

Satisfactory

AIC Team

Compliant

Institute

thank you for your feedback.

Criterion - Industrial and International Linkages

1. Existence of Industrial Advisory Board/Committee.

Weakness

AIC Team

Note: Information presented here was provided by Accreditation Inspection Team and Institution.

Industrial Advisory Board exists but is inactive.

Institute

thank you for your feedback, the department will convene the regular meetings

2. Formal mechanism for seeking feedback from Industry and its analysis for the attainment of POs.

Concern

AIC Team

The formal mechanism exists and its assessment tools / methods also correlates with the POs; however, effective analysis not periodically performed.

Institute

thank you for observation, the department will make proforma and present the analysis report in next visit.

3. Opportunities for students to acquire industrial experience via internship and existence of Industry-Liaison office.

Concern

AIC Team

A dedicated Industry-Liaison office exists, but its effectiveness is limited.

Institute

thank you for feedback. the department will ensure all the possible steps

4. Design projects sponsored / supervised jointly by Industry Professionals and faculty members.

Concern

AIC Team

Industrial linkages exist but limited sponsored design projects.

Institute

thank your for feedback, the deparment will encourage the students take steps to jointly work with industry projects.

5. Faculty members involved in design / supervision / consultancy role with the industry in the execution of applied research / design project that are relevant to society / industry.

Concern

AIC Team

Limited faculty involvement with industry on applied research / design project.

Note: Information presented here was provided by Accreditation Inspection Team and Institution.



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Institute

thank you for your feedback, the department will take steps and encourage the faculty members.

Note: Information presented here was provided by Accreditation Inspection Team and Institution.

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Shaheed Benazir Bhutto University, Shaheed Benazirabad, Nawabshah

Accreditation Visit

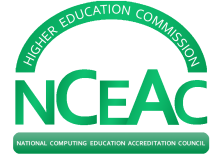
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BS Information Technology((Spring 2021, Spring 2023, Spring 2024, Spring 2022,))

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Verified Faculty Members

Sr. #	Name	CNIC/Passport	Institute Mentioned Contract Type	Last Qualification	Evaluator Assessed Contract Type
1.	Mr Ghulam Mustafa	45402-2145410-1	FullTime	Master (18 Years) - MS (IT)	FullTime
2.	Miss Irum Naz	45402-2595004-8	FullTime	PHD - Ph.D	FullTime
3.	Mr umair	45402-5776854-9	FullTime	M.Phil (18 Years) - MS (IT)	FullTime
4.	Mr Azeem Ayaz	45402-8404614-3	FullTime	M.Phil (18 Years) - MS (IT)	FullTime
5.	Mr Pervaiz Ali	45402-7061293-7	FullTime	Master (18 Years) - ME	FullTime
6.	Mr Abdul Jabbar Brohi	45404-0346321-1	FullTime	Master (18 Years) - MS (IT)	FullTime
7.	Miss Marina Sherbaz	43503-0564556-6	FullTime	Master (18 Years) - MS (IT)	FullTime
8.	Mr Imran Ali	45402-3776600-7	FullTime	M.Phil (18 Years) - MS(IT)	FullTime
9.	Dr Mairaj Nabi Bhatti	45402-3974174-9	FullTime	PHD - Ph.D	FullTime

Note: Information presented here was provided by Accreditation Inspection Team and Institution.