



Namal University Mianwali
Quality Enhancement Cell
Executive Summary

Program Review for Effectiveness and Enhancement (PREE) aligned with NCEAC standards

Program	BS in Computer Science	Assessment Year	2025-2026
Department	Department of Computer Science	PT Notification	Yes
Faculty	Faculty of Computer Science	AT Notification	Yes
Date of PREE	January 29, 2026	IP with timeline	Yes
Accreditation	NCEAC	Total Observations	31

1. Program Team

The Program Team (PT), nominated by the concerned Head of Department, compiled the Self-Assessment Report (SAR) for the academic year 2025-2026.

Name	Designation	Role
Dr. Shafiq ur Rehman	Assistant Professor, Department of Computer Science	PT Convener
Ms. Asiya Batool	Lecturer, Department of Computer Science	Member
Mr. M Ammar Ahmed	Lab Engineer, Department of Computer Science	Member

2. Assessment Team

To assess the SAR of BS Computer Science program, the Assessment Team (AT) conducted a thorough review in accordance with the NCEAC accreditation/quality assurance framework. The AT reviewed documentary evidence and interacted with relevant faculty, students and other stakeholders. The quantitative and qualitative assessment was carried out aligned with PSG-2023 framework.

Name	Designation / Institution	Role
Dr. Ayyaz Hussain	Professor / Chairperson, QAU, Islamabad	Convenor
Dr. Arshad Ali	Professor / HoD, FAST-NU, Lahore	Member
Dr. Shoaib Irshad	Director QEC, Namal University Mianwali	Member/Coordinator

3. Key Strengths of the Program:

- Program structure is clearly defined, aligned with the University vision and mission, and their mapping is documented and approved by relevant statutory bodies.
- Graduate Attributes are comprehensively defined in line with the Seoul Accord framework, with clear GA-to-PO mapping.
- Student learning is supported through workshops, seminars, industrial visits, competitions and faculty office hours, with institutional funding.
- Faculty strength, qualification balance, workload, faculty development mechanisms and research activity are broadly compliant with NCEAC requirements.
- The department maintains strong industrial links; a majority of Final Year Projects are industry-defined, and students have structured internship and industry-exposure opportunities.
- The University attracts high-quality intake to BS Computer Science, provides full funding to admitted students, and has demonstrated a positive research culture with incentives for publications, grants and conference participation.



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4. Recommendations for Improvement:

- Strengthen OBE implementation by formalizing direct assessment of POs/GAs, clear aggregation rules, realistic CLO taxonomy levels, and systematic semester-wise CLO review.
- Undertake curriculum revision focusing on course sequencing, prerequisites, semester placement and consistency of the revised curriculum document.
- Strengthen laboratory capacity and infrastructure, including 50+ workstation capacity, dedicated computing facilities, additional labs, safety documentation, first-aid provision and emergency preparedness.
- Regularize annual student intake in accordance with NCEAC-approved capacity and strengthen mechanisms for manageable class and laboratory sizes.
- Establish documented one-to-one academic advising, clear procedures for student corrective action, responsible use of AI in learning, and improved student welfare services.
- Strengthen faculty hiring, mentoring, performance evaluation, professional development and retention mechanisms, with systematic use of student feedback.
- Improve course-file and FYP documentation, including CLO-GA mapping, taxonomy alignment and formal approval of industry-defined projects.
- Strengthen library staffing, organization, journal availability and book issuance/tracking mechanisms, and ensure evidence-based closure of previous accreditation observations.

5. Overall Assessment Outlook

The NCEAC structured program review indicates that the BS Computer Science program has a strong foundation in faculty capacity, student support, industrial engagement, research culture and OBE implementation. The principal quality enhancement priorities relate to strengthening evidence-based OBE assessment, curriculum sequencing, student intake regularization, laboratory and library infrastructure, faculty development and retention, and systematic closure of previous accreditation actions. The corrective action plan assigns responsibilities and target dates extending through March 2026 to October 2026. Timely implementation and documentary evidence of closure will strengthen the program's readiness for continued NCEAC accreditation and future quality reviews.

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Prof. Dr. Najam-ul-Islam
Rector
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Program Review for Effectiveness and Enhancement (PREE) aligned with PEC

Program	BS in Electrical Engineering	Assessment Year	2025-2026
Department	Department of Electrical Engineering	PT Notification	Yes
Faculty	Faculty of Electrical, Electronics Engineering	AT Notification	Yes
PREE Date	March 9, 2026	IP with timeline	Yes
Accreditation	PEC	Observations	14

1. Program Team

The Program Team (PT), nominated by the concerned Head of Department, compiled the Self-Assessment Report (SAR) for the academic year 2025-2026.

Name	Designation	Role
Dr. Naureen Shaukat	Associate Prof., Department of Electrical Engineering	PT Convenor
Engr. Zulaikha Kiran	Assistant Prof., Department of Electrical Engineering	Member
Engr. Zafar Ullah	Lecturer, Department of Electrical Engineering	Member
Engr. Farkhnda Aziz	Lecturer, Department of Electrical Engineering	Member

2. Assessment Team

The Assessment Team (AT), constituted to assess the SAR of BS Electrical Engineering and to conducted the academic review of the program in accordance with the PEC accreditation quality assurance framework. The AT reviewed documentary evidence and interacted with relevant faculty, students and other stakeholders. The assessment was carried out aligned with PSG-2023 framework.

Name	Designation / Institution	Role
Dr. Nisar Ahmed	Professor, GIKI Engineering Sciences and Technology	Convenor
Dr. M. Junaid Mughal	Professor, COMSATS University Islamabad	Member
Dr. Shoaib Irshad	Director QEC, Namal University, Mianwali	Member/ Coordinator

3. Key Strengths of the Program:

- Dedicated core faculty, benchmarking of curriculum with national and international standards/practices.
- Faculty and students participation in research activities, technical exhibitions, conferences
- Strong coordination of department with leading institutes/universities in Pakistan
- OBE implementation and well-established CQI process
- Program-specific laboratories are functional and essential equipment for effective learning
- PBL and open-ended laboratory activities are being implemented across courses.



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4. Recommendations for Improvement:

- Existing OBE, academic review and quality assurance mechanisms provide a sound basis for further systematization and evidence-based enhancement.
- Refine the CQI process and strengthen the balance between direct and indirect assessment methods.
- Review the distribution of PBL, CEP and open-ended laboratory activities across semesters to avoid unnecessary workload concentration.
- Undertake a comprehensive laboratory review to improve layout, capacity, storage, equipment organization, cleanliness and safety, supported by regular emergency-response training.
- Strengthen student counseling by assigning counselors to intake cohorts for the full duration of study and improve continuity of academic and personal guidance.
- Reduce faculty administrative burden by introducing appropriate non-faculty coordination support and move towards systematic soft course folders through the LMS.
- Formulate and implement a comprehensive EHS policy across campus and hostels.
- Strengthen institutional QA coordination through QEC participation in departmental academic processes and an annual university-wide academic review calendar.
- Develop measures to improve faculty retention and strengthen continuity, stability and long-term academic culture.

5. Overall Assessment Outlook

The PEC-aligned PREE 2026 review indicates that the BS Electrical Engineering program has established functional academic, OBE and student-support systems, while the major enhancement needs concern laboratory organization and safety, assessment refinement, student counseling continuity, operational role clarity, QA scheduling and faculty retention. The AT observations have been translated into a time-bound implementation plan with deadlines extending from May 2026 to December 2026. Effective implementation and documented evidence of improvement will further strengthen the program's academic quality and PEC readiness.

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Program Review for Effectiveness and Enhancement (PREE)

Program	Bachelor of Business Administration (BBA)	Assessment Year	2025-2026
Department	Department of Business Studies	PT Notification	Yes
Faculty	Faculty of Social Sciences	AT Notification	Yes
Date of PREE	January 26, 2026	IP with timeline	Yes
Accreditation	HEC	Observations	17

1. Program Team

The Program Team (PT), nominated by the concerned Head of Department, compiled the Self-Assessment Report (SAR) for the academic year 2025-2026.

Name	Designation	Role
Dr. Umar Farooq	Associate Professor, Business Studies	Convener
Dr. Haris Bin Khalid	Assistant Professor, Business Studies	Member
Dr. Hamza Wazir Khan	Assistant Professor, Business Studies	Member

2. Assessment Team:

The Assessment Team (AT), was approved by the Competent Authority in alignment with the revised QA framework of PSG-2023. The AT assessed the SAR and conducted the program review in accordance with eighth quality standards of PREE, QAA-HEC, for effectiveness and enhancement. The AT verified the information provided in the SAR prepared by the PT and conducted on-site review, including interaction with relevant faculty, students and other stakeholders. The quantitative and qualitative assessment was carried out as per the PREE quality assurance standards of the PSG-2023 framework.

Name	Designation	Role
Dr. Zahra Waheed	Assistant Professor, Lahore University of Management Sciences (LUMS), Lahore	Convener
Dr. Zahid Riaz	Associate Professor, Lahore School of Economics (LSE), Lahore	Member
Dr. Shoaib Irshad	Director QEC, Namal University Mianwali	Member

3. Key Strengths of the Program:

- Dedicated faculty in various specializations and faculty development activities provide a foundation for further strengthening teaching, learning and research linkages.
- The program provides experiential learning opportunities, including site visits, field-based learning and the Rural Development Seminar.
- The program has initiated a foundation for future NBEAC accreditation, subject to phased readiness and evidence development.



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4. Recommendations for Improvement:

- Formalize a semester-wise and annual OBE assessment cycle with direct CLO assessment, consolidated PLO attainment analysis, and documented CQI actions.
- Strengthen PEO assessment through multiple direct and indirect evidence sources, including alumni, employer and graduate outcome data.
- Review and align the curriculum with HEC NCRC 2025 and strengthen comprehensive PLO–course mapping.
- Introduce measurable indicators for student advising, career support, internships, placements and alumni progression.
- Strengthen faculty development, research support, industry exposure and faculty retention mechanisms.
- Establish structured interdisciplinary collaborations and make effective, measurable use of existing MoUs.
- Systematically document experiential learning, student outputs and program impact as evidence for QA and CQI.
- Enhance stakeholder participation, particularly students, employers and alumni, in strategic planning.
- Adopt a phased NBEAC readiness roadmap before pursuing formal accreditation.

5. Overall Assessment Outlook

The PREE 2026 findings provide a clear quality enhancement roadmap for the BBA program. The principal emphasis is not merely on establishing processes, but on strengthening their systematic implementation, measurement, documentation and evidence of impact. A corrective action plan has been assigned to relevant program and institutional offices with defined deadlines extending from May 2026 to December 2026. The implementation of these actions will strengthen the BBA program's OBE framework, evidence-based decision-making and CQI mechanisms, while improving its readiness for future HEC quality reviews and professional accreditation.

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Program Review for Effectiveness and Enhancement (PREE)

Program	Bachelor of Science in Mathematics	Assessment Year	2025-2026
Department	Department of Mathematics	PT Notification	Yes
Faculty	Faculty of Natural Sciences	AT Notification	Yes
Date of PREE	January 30, 2026	IP with timeline	Yes
Accreditation	HEC	Observations	22

1. Program Team

The Program Team (PT), nominated by the concerned Head of Department, compiled the Self-Assessment Report (SAR) for the academic year 2025-2026.

Name	Designation	Role
Dr. Sami Ullah Khan	Associate Professor, Department of Mathematics	PT Convenor
Dr. Awais Shoukat	Assistant Professor, Department of Mathematics	Member
Dr. Faiqa Ali	Assistant Professor, Department of Mathematics	Member
Ms. Tazeen Ayesha	Lecturer, Department of Mathematics	Member

2. Assessment Team

Assessment Team (AT) constituted to assess the SAR and to conducted the academic review of BS Mathematics program aligned with the quality assurance framework of PREE, QAA-HEC. The AT reviewed documentary evidence and interacted with relevant faculty, students and other stakeholders. The quantitative and qualitative assessment was carried out as per the PREE quality assurance standards of the PSG-2023 framework.

Name	Designation / Institution	Role
Dr. Saif Ullah	Professor / Chairperson, GCU, Lahore	Convenor
Dr. Tahir Mahmood	Associate Professor, IIUI, Islamabad	Member
Dr. Shoaib Irshad	Director QEC, Namal University, Mianwali	Member/Coordinator

3. Key Strengths of the Program:

- Strong departmental and institutional ownership in research and student affairs.
- Faculty specialization in common areas provides a basis for forming research groups/clusters
- The department has existing FYP and academic governance mechanisms.
- The program has developed integrated research in applied mathematics and focused on SDGs.

4. Recommendations for Improvement:

- Revise course outlines and integrate mathematical software such as MATLAB, Maple and Mathematica into teaching and CLOs.
- Develop a comprehensive R&D policy and strengthen all faculty research clusters.



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- Expand and rationalize elective, interdisciplinary and contemporary mathematics/computing courses in line with resources and student preferences.
- Strengthen academic governance, including FYP approval mechanism, departmental mission and composition of Board of Faculty as per the HEC guidelines.
- Align FYP supervision with faculty specialization and strengthen Data Science/Computer Science expertise.
- Strengthen faculty development, conference participation and long-term faculty retention.
- Establish a dedicated Mathematics Lab and enhance library resources for specialized and newly introduced courses.
- Ensure equitable placement opportunities and improve student welfare facilities, including the campus mess.
- Establish a multipurpose faculty support centre to enhance the academic working environment.

5. Overall Assessment Outlook

The PREE-2026 of the BS Mathematics program identifies area of improvements / observations covering curriculum enhancement, research and faculty development, student support, governance, facilities and faculty welfare. The findings provide a practical roadmap for modernizing course offerings, strengthening research capacity, improving academic governance and expanding student opportunities. The implementation plan assigns responsibilities with deadlines ranging from March 2026 to September 2026. Timely completion and maintenance of documentary evidence will support continuous quality enhancement and future HEC academic reviews.

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