

ENGINEERING PROGRAM PROFORMA

Please provide following tabulated data (program wise) as per given format:

Table-I: ACCREDITATION STATUS (PROGRAM WISE)

Name of Engineering Program: B.Sc. (Electrical Engineering)

| S # | Program Title | Accreditation of Intake Batches (Intake from-to) | Green Signal Zero/Interim Visits (Intake from-to) |
|-----|------------------------------|--|---|
| 1. | B.Sc. Electrical Engineering | 2004-2010 | N/A |

Table-II: STUDENTS SUMMARY (PROGRAM WISE)

Name of Engineering Program: Electrical Engineering

| Study Year | Batch/Enrolment Year | No. of students | No. of Sections |
|------------|----------------------|-----------------|-----------------|
| 1st Year | Fall 2011 | 91 | 2 |
| 2nd Year | Fall 2012 | 90 | 2 |
| 3rd Year | Fall 2013 | 104 | 2 |
| 4th Year | Fall 2014 | 119 | 3 |
| Total | | 404 | 09 |

Table-III: FACULTY SUMMARY (PROGRAM WISE)

Name of Engineering Program: B.Sc. Electrical Engineering

| | Faculty Teaching Engineering Subjects | | | | Faculty Teaching Non-Engineering Subjects | | | |
|--|---------------------------------------|-----|-----|-------|---|-----|-----|-------|
| | BSc | MSc | PhD | Total | BSc | MSc | PhD | Total |
| Program Faculty (Dedicated) | 9 | 10 | 13 | - | 4 | 3 | 2 | - |
| Program Faculty (shared with other programs) | - | - | - | - | - | - | - | - |
| Shared Faculty (from other programs) | - | - | - | - | - | 3 | 1 | - |
| Visiting Engg. Faculty (from Industry, or other university) | - | - | - | - | - | 2 | - | - |

Table-IV: TEACHER RATIO (PROGRAM WISE)

Name of Engineering Program: Electrical Engineering

| | |
|---|----------|
| A. Total students currently enrolled in the Engineering Program | 404 |
| B. Total full-time dedicated Engineering faculty members | 29.5 |
| Student : Teacher Ration [A:B] | 13.695:1 |

Faculty Count

| Faculty | Strength | Registered | Teacher Count |
|------------------|-----------------|-------------------|----------------------|
| Dedicated | 37 | 29 | 29 |
| Shared | 6 | 1 | 0.5 |
| Total | 43 | 30 | 29.5 |

Table-V: FACULTY DETAIL

Name of Engineering Program: B.Sc. Electrical Engineering

List of Full time Departmental Teaching Faculty

| Sr. No. | Name | PEC # | Designation | Joining Date | Details of Qualifications | | | Specialization | Experience Teaching (Total) Years | Status |
|---------|---------------------|-------------|---|--------------|---------------------------|------|--------------------------------------|--------------------------|-----------------------------------|-----------|
| | | | | | Degree | Year | Institution | | | |
| 1. | Dr. Abdul Khaliq | Elect/ 8887 | Professor, Department Chair & Acting President CASE | July '06 | Ph.D. | 1995 | Ga. Tech, USA | Elect. Eng. | 18 (22) | Dedicated |
| | | | | | MSEE | 1992 | Ga. Tech, USA | Elect. Eng. | | |
| | | | | | B.Sc. Honors | 1990 | NWFP UET, Peshawar | Elect. Eng. | | |
| 2. | Dr. Saeed-ur-Rehman | Elect/ 7973 | Professor | July '04 | PhD | 1996 | Ga. Tech, USA | Elect. Eng. | 17 (22) | Dedicated |
| | | | | | MS | 1993 | Ga. Tech, USA | Elect. Eng. | | |
| | | | | | BSc | 1989 | UET, Lahore | Elect. Eng. | | |
| 3. | Dr. Farrukh Kamran | Elect/ 6726 | Professor | July '05 | Ph.D. | 1995 | Ga. Tech, USA | Elect. Eng. | 18 (26) | Dedicated |
| | | | | | M.S | 1992 | Ga. Tech, USA | Elect. Eng. | | |
| | | | | | B.Sc. | 1989 | UET, Lahore | Elect. Eng. | | |
| 4. | Dr. M. Shamim Baig | Aero/ 990 | Professor | April '08 | Ph.D. | 1992 | George Washington Univ. USA | Comp. Hardware & Systems | 21 (38) | Dedicated |
| | | | | | M.S. | 1980 | Cranfield Istitute of Technology, UK | Electronic System Design | | |
| | | | | | B.E | 1974 | PAF College of Aero Engg. | Avionics Eng. | | |

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|-----|---------------------------------|----------------|---------------------|---------|----------|------|-----------------------------|---------------------|---------|-----------|
| 5. | Dr. Ali Ahsan | NA | Associate Professor | Sep '07 | PhD | 2008 | CASE, Islamabad | Eng. Mngt | 12 (16) | Dedicated |
| | | | | | M.S | 2004 | CASE, Islamabad | Eng. Mngt | | |
| | | | | | B.S | 2002 | Foundation Univ. Rawalpindi | Software Eng. | | |
| 6. | Dr. M. Danish Nisar | Applied For | Associate Professor | Feb '15 | PhD | 2011 | TU Munich, Germany | Elect & Com. Eng. | 1(8) | Dedicated |
| | | | | | MS | 2006 | TU Munich, Germany | Com. Eng. | | |
| | | | | | BE | 2004 | NUST, Rawalpindi | Elect. Tele. Eng. | | |
| 7. | Dr. Muhammad Mohsin Rehmatullah | Elect/ 21151 | Assistant Professor | Jan '02 | PhD | 2009 | UET, Taxila | Elect. Eng. | 12 (20) | Dedicated |
| | | | | | M.S | 1995 | Ga. Tech, USA | Elect. Eng. | | |
| | | | | | BS | 1994 | University of Illinois, USA | Elect. Eng. | | |
| 8. | Dr. Zaheer Ahmed | Electro/ 2413 | Assistant Professor | Jul '05 | PhD | 2009 | UET, Taxila | Elect. Eng. | 16 (25) | Dedicated |
| | | | | | M.S | 2000 | NUST, Rawalpindi | Elect. Eng. | | |
| | | | | | B.E. | 1989 | NED, Karachi | Elect. Eng. | | |
| 9. | Dr. Sheikh Muhammad Farhan | Elect/ 13629 | Assistant Professor | Jan '03 | PhD | 2010 | UET, Taxila | Elect. Eng. | 12 (18) | Dedicated |
| | | | | | MS | 1999 | NUST | Computer Eng. | | |
| | | | | | BE | 1996 | NUST | Electronics | | |
| 10. | Dr. Muhammad Hasan Islam | Elect/ 8924 | Assistant Professor | Aug '07 | PhD | 2008 | CASE, Islamabad | Comp Eng. | 19 (19) | Dedicated |
| | | | | | M.Sc. | 1998 | CASE, Islamabad | Elect. Eng. | | |
| | | | | | B.Sc. | 1989 | UET, Lahore | Elect. Eng. | | |
| 11. | Dr. A. Mahmood | Electro/ 19130 | Assistant Professor | May '09 | PhD | 2008 | University of Arkansas | Control Systems | 10 (18) | Dedicated |
| | | | | | M.Sc. | 2007 | University of Arkansas | Applied Mathematics | | |
| | | | | | B.Sc. | 1997 | GIKI, Topi, Swabi | Electronic Eng. | | |
| 12. | Dr. Tahir Zaidi | Aero/ 1390 | Assistant Professor | Nov '10 | PhD & MS | 2010 | Ga. Tech, USA | Elect. & Comp. Eng. | 07 (25) | Dedicated |
| | | | | | M.Sc. | 2004 | CASE, Islamabad | Comp. Eng. | | |
| | | | | | BE | 1990 | CAE, Risalpur | Avionics | | |

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|-----|-------------------------|---------------|---|---------|---------------|------|--|---|---------|----------------|
| 13. | Dr. Adnan A. Khan | Tele/ 12 | Assistant Professor | Sep '10 | PhD | 2009 | CASE, Islamabad | Comp. Eng. | 08 (21) | Dedicated |
| | | | | | M.Sc. | 2007 | CASE, Islamabad | Comp. Eng. | | |
| | | | | | B.Sc. | 1997 | UET, Lahore | Electronic Eng. | | |
| 14. | Dr. Muhammad Saleem | NA | Assistant Professor | Sep '13 | PhD | 2013 | CIIT, Islamabad | Mathematics | 15 (15) | Dedicated |
| | | | | | MS | 2009 | CIIT, Islamabad | Mathematics | | |
| | | | | | M.Sc. | 1997 | University of Punjab | Applied Mathematics | | |
| 15. | Dr. Asad Mahmood | Electro/ 9868 | Assistant Professor | Nov '08 | Ph.D. | 2008 | ENST Paris | Telecom Eng. | 07 (07) | On Leave |
| | | | | | DEA (Masters) | 2004 | Univ. of Paris-Sud, France | Electronic Systems & Treatment of Information | | |
| | | | | | B.E. | 2002 | GIK Institute, Topi | Electronic Eng | | |
| 16. | Prof. Iftekhar Mahmood | Aero/ 246 | Assistant Professor & Assoc. Chair UG Studies | Aug '11 | MS | 1995 | Boston University, Boston Massachusetts, USA | Elec. Eng. | 21 (34) | Dedicated |
| | | | | | MS | 1990 | Boston University, Boston Massachusetts, USA | Systems Eng. | | |
| | | | | | B.Sc. (H) | 2004 | Karachi University, Karachi | War Studies | | |
| | | | | | BE | 1981 | College of Aeronautical Engineering, Karachi | Avionics | | |
| 17. | Prof. Hammad Ahmed Khan | Elect/ 8602 | Assistant Professor | Jul '04 | MS | 1999 | Iowa State University, USA | Elect. Eng. | 10 (22) | Dedicated |
| | | | | | B.Sc (H) | 1990 | UET, Lahore | Elect. Eng. | | |
| 18. | Mansoor Shaukat | Mechatro/ 182 | Assistant Professor | Aug '07 | M.S | 2007 | NUST, Rawalpindi | Elect. Eng. | 08 (09) | On Study Leave |
| | | | | | B.E | 2005 | NUST, Rawalpindi | Mechatronics Eng. | | |

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|-----|------------------------|-------------|---------------------|---------|-----------------|------|--------------------------------------|--------------------|---------|----------------|
| 19. | Muhammad Raheel Bhutta | Comp/2425 | Assistant Professor | Sep '07 | M.Sc | 2005 | Griffith Univ. Australia | Comp. Eng. | 11 (13) | On Study Leave |
| | | | | | B.Sc. | 2003 | COMSATS, Islamabad | Comp. Eng. | | |
| 20. | Mian Jehanzeb | Elect/23633 | Assistant Professor | Nov '07 | M.Sc. | 2007 | Brunel Univ., UK | Wireless Comm Eng. | 08 (08) | Dedicated |
| | | | | | B.Sc | 2006 | COMSATS, Islamabad | Elect. Eng. | | |
| 21. | Saman Riaz | NA | Assistant Professor | May '09 | MPhil | 2006 | QAU, Islamabd | Mathematics | 07 (07) | Dedicated |
| | | | | | MSc | 2008 | QAU, Islamabd | Mathematics | | |
| 22. | Muhammad Qaiser Shafi | NA | Sr. Lecturer | Jan '10 | MS | 2010 | NUST Rawalpindi | Info. Sec. | 06 (08) | Dedicated |
| | | | | | BS | 2006 | CIIT, Abbotabad | Info. Sec. | | |
| 23. | Summayya Jamal | NA | Sr. Lecturer | Sep '05 | M.Sc | 2005 | QAU, Islamabd | Mathematics | 10(10) | Dedicated |
| 24. | Moeen Ghiyas | Elect/32975 | Sr. Lecturer | Sep '10 | BE | 1991 | NUST, Rawalpindi | Elect. Eng. | 08 (29) | Dedicated |
| | | | | | MIT | 2012 | Virtual University, Rawalpindi | Info.Tech. | | |
| 25. | Malik Najmus Siraj | Elect/25256 | Sr. Lecturer | Sep '08 | M.Sc. | 2010 | CASE, Islamabad | Comp. Eng. | 07 (07) | Dedicated |
| | | | | | B.Sc. | 2008 | CASE, Islamabad | Elect. Eng. | | |
| 26. | Adeel Shabbir | NA | Sr. Lecturer | Aug '06 | B.S. | 2006 | IIUI, Islamabad | Comp. Science | 09 (09) | Dedicated |
| | | | | | Enrolled in M.S | | | | | |
| 27. | Muhammad Atif Yaqub | Elect/37211 | Sr. Lecturer | Sep '13 | MS | 2010 | University Tun Hussein Onn Malaysia, | Elect. Eng. | 02 (08) | Dedicated |
| | | | | | B.Sc. | 2008 | CASE, Islamabad | Elect. Eng. | | |
| 28. | Muhammad Ishaq | Elect/19121 | Lecturer | Jan '05 | M.Sc. | 2012 | CASE, Islamabad | Comp. Eng. | 09 (09) | Dedicated |
| | | | | | B.Sc. | 2002 | UCET, Mirpur | Elect. Eng. | | |

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|-----|--------------|-----------------|----------|---------|-------|------|------------------|-------------|---------|-----------|
| 29. | Waqas Hassan | Elect/ 29775 | Lecturer | Sep '11 | M.Sc. | 2013 | CASE, Islamabad | Elect. Eng. | 03 (03) | Dedicated |
| | | | | | B.Sc. | 2010 | CASE, Islamabad | Elect. Eng. | | |
| 30. | Rabia Saqib | Comp/ | Lecturer | Sep '14 | M.Sc. | 2011 | CASE, Islamabad | Comp. Eng. | 01 (06) | Dedicated |
| | | | | | BE | 2008 | NUST, Rawalpindi | Comp. Eng. | | |

List of Shared/Visiting Faculty from other Departments/Organizations, sorted by Designation

| Sr. No. | Name | PEC # | Designation | Details of Qualifications | | | Specialization | Department / Organization |
|---------|---------------------------------|----------|------------------------------------|---------------------------|------|---|---------------------------------------|--------------------------------------|
| | | | | Degree | Year | Institution | | |
| 1 | Dr. Khawaja Shafaat Ahmed Bazaz | Aero/551 | Foreign Professor (HEC) & Chairman | Ph.D. | 1998 | INSA Toulouse, France | Microelectromechanical Systems (MEMS) | Department of Computer Science |
| | | | | M.S | 1994 | Université de Franche Comté, Besanc, France | Microelectromechanical Systems (MEMS) | |
| | | | | B.S. | 1989 | NED, Karachi | Avionics | |
| 2 | Mubashar Sadiq | NA | Cluster Head: Accounts & Finance) | MBA | 1996 | Quaid-e-Azam University | Finance & Accounts | Department of Engineering Management |
| 3 | Shahid Iqbal | NA | Lecturer | M.Sc. | 2011 | CASE, Islamabad | Engineering Management | Department of Engineering Management |
| | | | | BE | 2005 | Hamdard University | Telecom. Eng. | |
| 4 | Muhammad Iqbal | NA | Visiting Faculty | M.Sc. | 2009 | CASE, Islamabad | Computer Eng. | - |
| | | | | M.Sc. | 2005 | Quaid-e-Azam University | Computer Science | |
| 5 | Saeed Akbar | NA | Visiting Faculty | MA | - | Islamayat | University of Peshawar | - |
| 6 | Sami Ullah Kashif | NA | Lecturer | MS | 2010 | GA Tech, USA | Computer Science | Department of Computer Science |
| | | | | BS | 2008 | LUMS, Lahore | Computer Science | |

List of Full-Time Junior Lecturers/ Lab. Engineers

| Sr. No. | Name | PEC # | Designation | Joining Date | Details of Qualifications | | | Specialization |
|---------|----------------------|--------------|----------------------------|-------------------|---------------------------|------|-----------------|----------------|
| | | | | | Degree | Year | Institution | |
| 1. | Sana Ata Qureshi | Elect/ 32365 | Jr. Lecturer/ Lab. Engr | Nov '09 | B.Sc. | 2004 | CASE, Islamabad | Elect. Eng. |
| | | | | | Enrolled in MSEE | | | |
| 2. | Waqas ur Rehman | Elect/ 35181 | Lab. Engr | Sep '12 | B.Sc. | 2012 | CASE, Islamabad | Elect. Eng. |
| 3. | Zain ul Hassan | Elect/ 35686 | Lab. Engr | Jan '13 | B.Sc. | 2012 | CASE, Islamabad | Elect. Eng. |
| 4. | Jawwad Shaukat | Elect/ 39807 | Lab. Engr | Feb '14 | B.Sc. | 2012 | UET, Taxila | Elect. Eng. |
| 5. | Muhammad Ejaz | Elect/ 16732 | Jr. Lecturer/ Lab. Engr | Aug '07 | B.Sc. | 2000 | UET, Taxila | Elect. Eng. |
| | | | | Enrolled in M.Sc. | | | | |
| 6. | Ali Syed | Elect/26868 | Jr. Lecturer/ Lab. Engr | Sep '08 | B.Sc. | 2004 | CASE, Islamabad | Elect. Eng. |
| | | | | Enrolled in M.Sc. | | | | |
| 7. | Hafiz Muhammad Ahmad | Elect/25256 | Jr. Lecturer/ Lab. Engr | Sep '12 | B.Sc. | 2012 | CASE, Islamabad | Elect. Eng. |
| | | | | Enrolled in M.Sc. | | | | |

List of Full-Time Teaching Assistants

| Sr. No. | Name | Designation | Joining Date | Details of Qualifications | | | Specialization |
|---------|-------------------|--------------------|--------------|---------------------------|------|-----------------|----------------|
| | | | | Degree | Year | Institution | |
| 1 | Ali Javed Pirzada | Teaching Assistant | Sep '06 | M.Sc. | 2012 | CASE, Islamabad | Comp. Eng. |
| | | | | B.Sc. | 2002 | UCET, Mirpur | Elect. Eng. |
| 2 | Tahir Akram | Teaching Assistant | Sep '06 | MS | 2014 | CASE, Islamabad | Elect. Eng. |
| | | | | B.Sc. | 2006 | AJK University | Telecom Eng. |
| 3 | Junaid Iqbal | Teaching Assistant | Jan '07 | B.Sc. | 2006 | AJK University | Telecom Eng. |
| | | | | Enrolled in MS | - | CASE, Islamabad | Management |
| 4 | Waqas Ahmed | Teaching Assistant | Sep '06 | B.Sc. | 2006 | AJK University | Telecom Eng. |

Table-VI: LABORATORY DETAILS (PROGRAM WISE)

Name of Engineering Program: B.Sc. Electrical Engineering

| Sr. No. | Name of Laboratory (Staff Names--Qualifications) | Lab(s) of Course(s) Conducted in the Lab. | Type(s) of Workstations (No. of each type) | Nature of Experiments | No. of Students per Workstation |
|---------|--|--|---|--------------------------|------------------------------------|
| 1 | Computer Labs I 1: Mr. Adeel Shabbir--BS(CS) 2: Mr. Muhammad Imran-- Diploma in (Comp. Science) | - Programming in C - Engineering Drawing - OOP & Data Structures Using C++ - Microprocessor & Computer Architecture - Signals & Systems - Digital Communication - Network Programming | PCs (60) | Demonstration & Hands-on | 01 |
| 2 | FYP Project Lab | Dedicated for the Final Year Students | PCs (15 - 20) | Hands-on | -- |
| 3 | Computer Labs III 1: Mr. Adeel Shabbir--BS(CS) 2: Mr. Muhammad Imran-- Diploma in (Comp. Science) | General Purpose Computer Lab | PCs (16) | Hands-on | 01 |
| 4 | Computer Labs IV 1: Mr. Adeel Shabbir--BS(CS) 2: Mr. Muhammad Imran-- Diploma in (Comp. Science) | General Purpose Computer Lab | PCs (60) | Demonstration & Hands-on | 01 |
| 5 | Electronics Lab 1: Hafiz Muhammad Ahmed- -BSc (EE) 2: Mr. Muhammad Awais Rahim--DAE (Electronics) | - Electric Circuit Analysis-I - Electric Circuit Analysis-II - Electronic Devices & Circuits - Electronic Design & Practice - Communication Systems | 1- Workstations, each with Digital Oscilloscope, Function Generator, Variable DC Power Supply, Fixed DC Power Supply, Digital Multimeters and Bread Board (30) | Demonstration & Hands-on | 02 |
| | | | 2-Communication System Trainers, AM Trainers Analog (Transistorized) & Digital (IC Based) and FM Trainers Digital (IC Based) (06) | Demonstration & Hands-on | 04 |

| | | | | | |
|---|--|---|---|--------------------------|----|
| 6 | Digital Design Lab 1: Mr. Waqas-ur-Rehman--BSc (EE) 2: Mr. Amir Shahzad--DAE (Electronics) | <ul style="list-style-type: none"> - Digital System Design - Microprocessor Based Embedded Sys. Design - Industrial Automation - Digital Logic Design | Workstations, each with Digital Trainer, FPGA Training Kit(with accessories), 8052-Microcontroller Training Module, Stepper Motor driver board, Digit Multiplexed 7-Segment Display Board, Digit Multiplexed 7-Segment Display Board, DC Motor Driver Module With H-Bridge and Analog Interface Board (30) | Demonstration & Hands-on | 02 |
| 7 | Electromechanical Systems Lab 1: Mr. Muhammad Ejaz Naveed--BSc (EE) 2: Mr. Adeel Wahid--DAE (Electronics) | <ul style="list-style-type: none"> - Electromechanical Systems - Power Electronics | Workstations, each with Digital Oscilloscope, Function Generator, DC Power Supply, Regulated DC Power Supply (PS-3000), Motor-Generator Trainer, DC Shunt Motor Trainer, DC Series Motor Trainer, PMDC Motor Trainer, Autotransformer, Transformer-Winding Machine, DMM, TECHO Meter and Variable Load (06) | Demonstration & Hands-on | 04 |
| | | | Antenna Workbenches, each with Antenna Trainer AT-5000 and Microstrip Trainer MS-3000 (06) | | |
| 8 | Electrical Engineering Simulation Lab 1: Mr. Ali Syed--BSc (EE) 2: Mr. Adnan Haider--DAE (Electronics) | <ul style="list-style-type: none"> - Automation/Robotics Research Equipments - Digital Communication - LINUX (Fedora Core-4) - Microsoft Office - Data Communication Networks - Digital Signal Processing - Control Systems - Network Programming | PCs (30) | Demonstration & Hands-on | 01 |
| | | | PCs for Asus System 250 GB Hard Disk and Intel core i5 2.8 GHZ Processor (09) | Demonstration & Hands-on | 01 |