

National University of Computer and Emerging Sciences, CFD Campus

INTER OFFICE MEMO

11-14/CFD-DR/006

November 12, 2014

From: Dr. Rana Muhammad Gufran Khan
Incharge, Department of Electrical Engineering, CFD Campus

To: Director, CFD Campus

Subject: **Provision of Necessary Data Pertaining to Engineering Programs
PEC Letter # PEC/Accr/004/12014 dated October 17, 2014**

Enclosed please find the Electrical Engineering Program data pertaining to Chiniot-Faisalabad Campus for onward provision to Pakistan Engineering Council (PEC).

Dr. Rana Muhammad Gufran Khan

Director

ENGINEERING PROGRAM DATA

FAST National University of Computer & Emerging Sciences,
Chiniot-Faisalabad Campus

Table-I: ACCREDITATION STATUS (PROGRAM WISE)

S#	Program Title	Accreditation of Intake Batches (Intake from-to)	Green Signal Zero/Interim Visits (Intake from-to)
1.	BS Electrical Engineering		Fall 2014

Table-II: STUDENT SUMMARY (PROGRAM WISE)

Name of Engineering Program: BS Electrical Engineering (Fall 2014)

Study Year	Batch/Enrolment Year	No. of Students	No. of Sections
1st Year	Fall 2014	50	01
2nd Year			
3rd Year			
4th Year			
Total		50	01

Table-III: FACULTY SUMMARY (PROGRAM WISE)

Name of Engineering Program: BS Electrical Engineering (Fall 2014)

	Faculty Teaching Engineering Subjects				Faculty Teaching Non-Engineering Subjects			
	BSc	MSc	PhD	Total	BSc	MSc	PhD	Total
Program Faculty (Dedicated)	05	02	02	09				
Program Faculty (shared with other programs)	05	02	02	09				
Shared Faculty (from other programs)		03						
Visiting Engg. Faculty (from Industry, or other University)								

Table-IV: STUDENT : TEACHER RATIO (PROGRAM WISE)

Name of Engineering Program: BS Electrical Engineering (Fall 2014)

A. Total students currently enrolled in the Engineering Program	50
B. Total full-time dedicated Engineering faculty members	4
Student : Teacher Ratio [A:B]	12.5 : 1

Table-V: FACULTY DETAILS RATIO (PROGRAM-WISE)

Name of Engineering Program: BS Electrical Engineering (Fall 2014)

S#	Name	PEC No.	Designation	Joining Date	Details of qualifications			Specialization	Experience Teaching(Total)Years	Dedicated /Shared
					Qualification	Year	Institution			
1.	Engr. Dr. Muhammad Gufran Khan	ELECT-37375	Assistant Professor & Incharge	13-July-2013	Ph.D. (Electrical Engineering)	2011	Blekinge Institute of Technology, Sweden	Communications	07 years	Dedicated
					M.Sc. (Electrical Engineering)	2005	Blekinge Institute of Technology, Sweden	Signal Processing		
					B.Sc. (Electrical Engineering)	2003	UET, Lahore	Electronics & Communications		
2.	Dr. Amir Masood Khalid	Applied	Assistant Professor	12-July-2014	Ph.D. (Electrical Engineering)	2013	Sant'Anna School of Advances Studies	Optical Communications Engineering	01 year	Dedicated
					M.Sc. (Electrical Engineering)	2009	University Technology Malaysia	Electronics & Telecommunication		
					B.Sc. (Electrical Engineering)	2006	The University of Faisalabad	Electronics		

3.	Engr. Habib Ullah	TELE-2380	Lecturer	29-April-2013	M.Sc. (Communication System Engineering) BS (Telecom Engineering)	2012 2010	Univ. of Manchester, UK NUCES, Islamabad	Telecom Network	02 years	Dedicated
4.	Engr. Amir Zahoor	TELE-1728	Lecturer	01-Sept-2014	M.Sc. (Electrical Engineering) BS (Telecommunication Engineering)	2013 2009	Blekinge Institute Of Technology GC University, Faisalabad	Signal Processing Telecommunication Engineering	01 year	Dedicated
5.	Engr. Fazeelat Mazhar	ELECT-35894	Lab Engineer	6-Feb-2013	B.Sc. (Electrical Engineering)	2012	UET, Lahore	Electronics & Communication	02 years	Dedicated
5.	Engr. Iqra Hameed	Applied	Lab Engineer	12-July-2013	B.Sc. (Electrical Engineering)	2013	UET, Lahore	Electronics & Communication	1.5 years	Dedicated
7.	Engr. Muhammad Abdullah	ELECT-41221	Lab Engineer	12-July-2013	B.Sc. (Electrical Engineering)	2013	UET, Lahore	Power Engineering	1.5 years	Dedicated

8.	Engr. Shahi Dost	COMP-10166	Lab Engineer	15-Feb2013	BE (Computer Engineering)	2012	NUST, Islamabad	Computer Engineering	02 years	Dedicated
9.	Engr. Maham Shabir	COMP-10167	Lab Engineer	13-Sept-2012	BE (Computer Software Engineering)	2012	NUST, Islamabad	Computer Software Engineering	2.5 years	Dedicated
10.	Ms. Rabia Zubair	N/A	Lecturer	25-July-2013	MPhil. (English Literature) M.A (English) B.A (Arts)	2014 2010 2008	GC University, Faisalabad GC University, Faisalabad Punjab University, Lahore	English Literature	03 years	Shared
11.	Mr Anwar Ahmad	N/A	Lecturer	August 2012	M.Phil (Mathematics)	2012	QAU, Islamabad	Mathematics	03 years	Shared
12.	Mr. Sajid Mumtaz	N/A	Lecturer	Aug 2014	MS/MPhil (Electronic Engineering)	2013	IIU, Islamabad	Physics for Engineers	03 years	Shared

Table-VI: LABORATORY DETAILS (PROGRAM WISE)

Name of Engineering Program: BS Electrical Engineering (Fall 2014)

Number of Total Engineering + Computing Courses: 14 (1st & 2nd Year Courses Considered Only)

Number of Lab Courses: 11 (1st & 2nd Year Courses Considered Only)

Number of Laboratories: 6 (1st & 2nd Year Courses Considered Only)

S#	Name of Laboratory (Staff Names-Qualification)	Lab(s) of Course(s) Conducted in the Lab.	Type(s) of Workstations (No. of each type)	Nature of Experiments	No. of Workstation
1.	Circuits Lab 1: Ms. Fazeelat Mazhar -- BS (Elect. Engg.) 2: Mr. Muhammad Usman-- DAE (Electrical) 3: Mr. Mehdi Hassan -- FA	Circuit Analysis-I	Workbenches each Power supply (32), Signal Generator (32), Oscilloscope (40),	Hands-on	22
		Circuit Analysis-II	Multimeter (40), Breadboard (20), Wire Strippers (30), LCR (6), Soldering Iron (40), Galavanometer (12), Components		
2.	Electronics Lab 1: Ms. Iqra Hameed -- BS (Elect. Engg.) 2: Mr. Adnan Mehboob – B-Tech (Hons), DAE (Electronics) 3: Mr. Mehdi Hassan -- FA	Electronic Devices & Circuits	Workbenches each Power supply (20), Signal Generator (20), Oscilloscope (20),	Hands-on	20
		Electronic Circuit Design	Multimeter (20), Breadboard (20), Wire Strippers (20), Soldering Iron (20), Components		

3.	Digital Logic Lab 1: Ms. Fazeelat Mazhar -- BS (Elect. Engg.) 2: Mr. Adnan Mehboob -- B-Tech (Hons), DAE (Electronics) 3: Mr. Mehdi Hassan -- FA	Digital Logic Design Microprocessor Interfacing & Programming	Digital Logic Trainer (28), Logic Probs (30), Multimeters (30), Breadboards (28), Wire Stripper (30), IC injector (2), Sucker (01), ICs and components	Hands-on	28
4.	Physics Lab 1: Mr. Iqra Hameed -- BS (Elect. Engg.) 2: Mr. Fahim Sajid – DAE(Electrical) 3: Mr. Javed Iqbal -- FA	Physics for Engineers	- Apparatus To Determine the Dielectric Constant of Different Materials (5) - Apparatus To study the B.H Curve & measure the Magnetic Parameter (5) - Apparatus for Measurement of Self / Mutual Inductance by AC Method (5) - Apparatus To study the Lorentz Force by current Balance (5) - Apparatus To determine e/m ratio of electron by deflection method. (3) - Electric Vande Graff Generator Driven by a Universal variable motor (6) - Electroscope with flask & Gold Leaf (7) - Plastic structure 10" x 12" with plastic disc (5), 3 set of Electrodes (5), Faraday's cages (5)	Hands-on	20

5.	Engineering Workshop 1: Mr. M. Abdullah -- BS (Elect. Engg.) 2: Mr. Ateeq M. Rafiq– DAE(Electrical) 3: Mr. Javed Iqbal -- FA	Engineering Workshop	Metal/Fitter Shop: Working Table, Smooth File, Round File, Triangular File, Square File, Hammer, Protector, Divider, Screw Driver Set, Scriber, Pipe Wrench, Adjustable, Center Punch, Venire Caliper, Square 10", Goggles, Plier, Nose Plier, Grinder , Table Drill Machine, Gloves Wood Shop: Working Table, Tri square, Hammer Files, Wood Planer, Goggles, Wood Saw, Screw Driver Set, Chisel, Planner, Table Wood Cutter, Planner 710W Electric Shop: Wiring Boards, Phase Tester, Plier & Wire Cutter	Hands-on	24
	Computer Lab –I 1: Mr. Shahi Dost -- BS (Comp. Engg.) 2. Mr. Ammar Hanif -- Diploma (IT)	Introduction to Computing <hr/> Programming Fundamentals	Personal Desktop Computers (Networked), Multimedia Projector	Hands-on	48
6.	Computer Lab –II 1: Ms. Maham Shabbir – BS (Software Engg) 2. Mr. Omer Ali – Diploma (IT)	Data Structures & Algorithms <hr/> Signals & Systems	Personal Desktop Computers (Networked), Multimedia Projector	Hands-on	48