UMAIR AHMED Cell: 03322190191 Email: Umair\_ahmed403@yahoo.com Skype: Umair\_ahmed403 Add: House No. 325, Street No. 05, Block 37/ D, Landhi No. 01, Karachi 75160. Objective To use my knowledge and skills to better facilitate the students in this areas of Applied Physics specially Electronics and Computer Science Specially Artificial Intelligence, to build on the experience I have gained and to further my knowledge in other aspects. Education 2013 (in progress) Department of Computer Science, Institute of Business Administration MS in Computer Science (Specialization in Artificial Intelligence), (GPA 3.33) Probabilistic Reasoning, Image Processing, Image Processing for Recognition, Pattern Recognition, Advanced Data Warehouse and Software Project Management. 2011 Department of Applied Physics, University of Karachi. st M.Sc (Electronics), 1 Class Third Position (with 70.55%) MicroProcessor & MicroController (Atmel 8051), Industrial Electronics & Instrumentation, Advance Telecommunication (Microwaves) Digital Signal Processing & Data Communication Quantum,Numerical and Computational Physics Analog & Digital Electronics 2008 Federal Urdu University of Arts, Science and Technology, Karachi. M.Sc. in Physics (with Specialization in Electronics) 2007 Federal Urdu University of Arts, Science and Technology, Karachi. B.Sc. (Hons) Physics 2003 Govt. Degree Science/Commerce College, Landhi/Korangi 06 H.S.C (PreEngineering) 2001 Ali Foundation Academy, Karachi st S.S.C. (Science), (1 Division) Experience July 2012 to date University Of Karachi Teaching Assistant in Department of Applied Physics Conduct LABs of Industrial Electronics/PLC, Microprocessor Interfacing (8051), Analogue Electronics & Linear Integrated Circuits, CLanguage & Assembly Language. Provided Lectures on Wireless Communication, Data Communication & Networks and MicroProcessor Interfacing (8051) Project Supervised : Wireless Point to Multipoint Data Communication Zigbee Based using 8051 Microcontroller Power Line Communication Vehicle Control via WiFi using 8051 Teaching: 2009 Bright Career School, Karachi Conduct Sr I to Sr III, OLevel Classes 2009 The Illuminator Coaching Center, Karachi Provided Lectures on Business Maths in B.Com Classes 2009 Adamjee Coaching Center, Karachi Provided Lectures on Physics in Intermediate Classes 20072008 Sarfaraz Pilot Higher Secondary School Provided Lectures on Mathematics in Intermediate Classes. 2007 Govt. Degree College for Women Landhi 06, Karachi Provided Lectures on Physics in Intermediate Classes 20042006 The Light Coaching Center, Karachi Provided Lectures on Mathematics in Intermediate Classes Other Tutored Matric, Intermediate, OLevels and B.E Electronics. Projects Final Year Project: Microcontroller based Single Board Computer (SBC) Development and its Application Interfacing of Memory, LCD, Keyboard and Printers Assembly Language based programm Serial and parallel data communication Mini Projects: Design and Contruction of a Four Digit Frequency Counter (During the Semsters) Design and Construction of AM Transmitter Design and Contruction Object Detector (Using Infrared Transmitter and Receiver) Certification June 2011 Certification of Programable Logic Controller (PLC) Department of Applied Physics, University of Karachi Using SIEMENS S 7 Series December 2011 Certification of MicroController Based Single Board Compter (SBC) Development and its Application Department of Applied Physics, University of Karachi Using 8051/AT89C51 MicroController Assembly based Programing Other Skills Computer Skills: Operating System MS Windows 98/2000/2003 Server/XP/Vista/Win 7 Linux (Red Hat) Programming C Language & Assembly Language Matlab Programing PLC Programing Others MS Office 97/2000/2003/2007/XP & Open Office Inpage & Advance Excel Internet Surf, Email etc. Language Skills: English Urdu Seminar Seminar attended: World Space Week 2011, SUPARCO Pakistan Space Program Space Mysteries Galore Satellite based Crop Monitoring System in Pakistan Geographical Information System (GIS) and its Application Satellite Remote Sensing and its Application Internship June 2011 Intership in Pakistan International Airline (PIA) Visit in Workshop and Electronics Lab May 2010 April 2011 Trainee Instructor in Govt. Mono Technique Institute Landhi. Conduct DAE Electronics Lab Provides Lectures on Electronics in DAE Classes. Refrence Will be furnished upon Request