

GIK Institute - Class of 2008

Faculty of Electronics Engineering

HAFIZ M.USMAN KHALID

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■ OBJECTIVE

To pursue a career in an excelling organization to groom my technical, management and interpersonal abilities and render all possible services in my capacity to the firm.

■ EDUCATION

	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.4/4.00
	Government College, Sahiwal, Punjab, Pakistan	928/1100, A+
	Government High School, Sahiwal, Punjab, Pakistan	750/850, A+

■ FINAL YEAR PROJECT

Design and Implementation of Controller for Furuta Pendulum.

Design, Fabrication and Implementation of Controller for Furuta Pendulum. Furuta Pendulum i-e Rotary Inverted Pendulum, is a non-linear, under actuated and highly unstable system used for the study of control systems and its applications.

■ PROJECTS

- Communication Systems: Design and Implementation of Radio Receiver.
- Wave Propagation and Antennas: Study of the design and implementation of Smart Antennas.
- Control Systems: Elementary control of a reluctance motor Using Fuzzy Logic.
- Signals and Systems: Programmed AM-FM Modulator and Demodulator for Radio using Matlab.
- Microprocessor Interfacing: Programmed and implemented IC Detector using microcontroller.

■ WORK EXPERIENCE

Nokia Siemens Networks – Telenor Project : Summer 2007

Worked in RF Planning and optimization department. Had Experience of Feasibility survey, Technical Site Survey, Site Verification and Drive test. Software used were Map Info, TEMS GSM Investigation tool, Asset.

JGC-DESCON Engineering Limited: Summer 2006

Worked in Instrumentation and Control Department. Did Projects on the calculation of Failure Rate, Redundancy, and Safety Integrity Level of the Safety Instrumented Systems.

■ TECHNICAL SKILLS

- Programming languages: C, C++, Visual C, Assembly language, Pinnacle.
- Professional Software: MS Office, Matlab, E-Bench work, Lab View, TEMS, Asset, MapInfo.
- Designing and Editing Software: Adobe Photoshop, Coral Draw., Adobe premier and Ulead .

■ HONORS , AWARDS AND ACHIEVEMENTS

- Got merit scholarship in SSC examination and President's talent scholarship in HSSC exam
- Got second prize in Speed wiring competition at All Pak Engineering Conference 2005.
- Won Inter Batch Parliamentary Style Debates in GIKI.

■ EXTRA CURRICULAR ACTIVITIES

- Publicity Head of GIKI Science Society and Horizon Publication Society.
- Event Coordinator of GIKI Sports Society and Coordinator of GIKI Hockey Club.
- Member of GIKI Debating , Hockey and Football teams.
- Vice President of Adventure Club GIKI and General Secretary of ASME GIKI Chapter.
- Produced and Directed two Stage plays and Videos in Competitions Held in GIKI.

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Worked as an Internee in BSS Operation Department of U-fone GSM in Summer 2007.
- Worked as Online Publicity and media Personal in Jadeer Interior Design and Décor Dubai.
- Among the top 10 teams from All over Pakistan in Shell Young Business planer contest 2005.
- Member of the Organizing team of officail GIKI Events for 3 years.

USAMA IMTIAZ

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■ OBJECTIVE

Professionalism, to possess this quality to its extreme and I mean to do this by hard work and dedication, for that, I wish to enter the echelons of a leading professional enterprise.

■ EDUCATION

2003-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.54/4.00
2001-2003	Pakistan School & College Rumaithya, Kuwait	826/1100
1999-2001	Pakistan School & College Rumaithya, Kuwait	698/850

■ FINAL YEAR PROJECT

Sonic Beam - Directional Sound System (Award Winning Project)

Development of a prototype sound system that allows users to focus sound in a particular direction, like a spotlight, using an array of ultrasonic transducers. The project involved Mathematical Modeling, Simulation and Hardware Implementation.

■ PROJECTS

- Control Systems: Elementary Reluctance motor control using Fuzzy Logic and ANFIS
- Power Electronics: Variable frequency Ignition System Design for a Pulse Detonation Engine
- Electric Machines: LabVIEW simulation of Motion of Space Vectors in 3 ϕ excitation system
- Microcontrollers: Home Appliance Control by Telephone using Teltone M-8888 and BS1
- Thermodynamics: Designed and fabricated a small heat engine based on closed regeneration

■ WORK EXPERIENCE

Alghanim Electronics (Special Projects, Engineering Division), Kuwait

Worked on crestron systems. My project included development of a complete multimedia, home security and appliance control system using crestron AV systems. The internship duration was 10 weeks. From June 07 to August 07.

Alghanim Electronics (Professional Equipment Division), Kuwait

The internship involved several projects mainly related to troubleshooting and repair of electronic appliances and consumer electronics. I was also given the job of give presentations on demonstration of new products to sales people. The internship duration was 10 weeks, June 06 - August 06

■ TECHNICAL SKILLS

- Languages: Assembly, C/C++/ Visual C++, Basic, HTML, Prolog, GRAFCET, LADDER
- Workbench, MathCAD, Matlab, CircuitMaker Pro, LabVIEW, FilterPro, KiCAD, gEDA, EAGLE
- AutoCAD 2008, Adobe {Photoshop 7, Audition, After Effects}, Ulead MS Pro 7, Macromedia

■ HONORS , AWARDS AND ACHIEVEMENTS

- Won Award for Best Final Year Project in the Faculty of Electronics Engineering (2007)
- Winner of Student Paper Competition by IET GIKI Chapter (2004), (2005)
- Awarded Scholarship during High School & College (1999-2003)

■ EXTRA CURRICULAR ACTIVITIES

- Head Design Team for GIKI Web team (Institute Website design & Management)
- Publicity Coordinator of Media Club (GIKI Society for Multimedia)
- Publicity In charge of ASME-GIKI Chapter on several events
- Conducted Several tutorials and workshops on AutoCAD, LabVIEW and Adobe Photoshop
- Badminton, Swimming, E-Gaming, Reading, Photography, Digital Art, Crafts

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Alghanim Electronics (Customer Service Center), Kuwait [June 05 - August 05]
- Freelance Graphic designing and Writing
- Written and Presented three conference papers on number theory, Thermodynamics, Acoustics.
- Advised two senior year project groups regarding their projects.
- Experienced using DSP boards TMS320C6713, Codecomposer Studio and Simulink.

ABDUL HANNAN KHAN

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■ OBJECTIVE

To find myself a career in a challenging environment where I can polish the skills acquired from education and to contribute to the best of my abilities in the growth of the firm for which I work.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.83/4.00
2002-2004	Crescent Model Higher Secondary School, Lahore, Punjab, Pakistan	3 As, 1 B
2000-2002	Crescent Model Higher Secondary School, Lahore, Punjab, Pakistan	5 As, 2 Bs, 1 C

■ FINAL YEAR PROJECT

Magnetic Levitation Train

To make a working model of a MagLev Train working on the principle of Electromagnetic Suspension. This suspension system is attraction based. Servo control (position feedback) is used to maintain the air gap between train and track.

■ PROJECTS

- Control Systems: Control of a 3-phase permanent magnet synchronous motor using fuzzy logic
- Electronic Devices and Circuit Theory: Variable amplitude and frequency signal generator
- Signals & Systems: Digital image processing in MatLab
- Electric Machines: Simulation of A/C, 3-phase induction motor in LabView
- Communication Theory: AM Radio Receiver

■ WORK EXPERIENCE

Ericsson Pakistan

Worked in the SLSI department of Ericsson Pakistan, Lahore for 11 weeks, May-July 2007. Worked in the Pre-paid Charging System department offering services to Warid Telecom. Complete study of Ericsson's pre-paid charging solution.

PTCL, Quetta

Worked at the PTCL OMC in City Exchange, Quetta for 4 weeks, July-August 2005. Studied the functioning of Quetta City telephone exchange and the Balochistan PTCL network.

■ TECHNICAL SKILLS

- Can manipulate circuits, integrated circuits and microcontrollers.
- Programming knowledge of C/C++, Matlab, Pinnacle, Kiel uVision and PLC Ladder.
- Sound knowledge of Microsoft Office, Windows OS, LabView and Pspice.

■ HONORS , AWARDS AND ACHIEVEMENTS

- Currently at 2nd position in faculty and amongst all final year students.
- Placed in Dean's Roll of Honor in every semester so far (seven semesters).
- Fourth in A Level exams in college.

■ EXTRA CURRICULAR ACTIVITIES

- President of IEEE (Institute of Electrical and Electronics Engineers), GIKI-Branch
- Vice President (Liaison) Sports Society, GIKI.
- Coordinator Football Club of GIKI.
- Event Coordinator All Pakistan Science Fair, 2008
- Member GIKI Football Team, Science Society and Adventure Club.

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Interned at PEL, Lahore for 4 weeks, May-June 2005 working at the electric meter plant.

ADEEL HASSAN

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■ OBJECTIVE

My objective is to effectively contribute to the optimal growth of the company.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.16/4.00
2002-2004	Lahore Grammar School, Lahore , Punjab	2As, 3Bs
2000-2002	Beaconhouse School CSC,Lahore , Punjab	5As, 2Bs, 1C

■ FINAL YEAR PROJECT

Flight and Landing Control of an Un-manned Aerial Vehicle

The project is aimed at designing such a control system that would let the flying model proceed with autonomous landing maintaining flight stability. The task is highly sensitive to environmental changes and thus requires a thorough analysis of aerodynamics, flight control and instantaneous feedback from the sensors.

■ PROJECTS

- Communication Theory (6th Semester) – Single frequency AM Receiver.
- Control Systems (6th Semester) – Implementation of a Genetic algorithm using Simulink.
- Microcontroller Interfacing (5th Semester) – Fully autonomous & Intelligent Traffic Light
- Electric Machines (5th Semester) – Analysis of a Synchronous Motor using LABVIEW.
- Computer Architecture – Implementation of a Simple as Possible Computer (SAP).

■ WORK EXPERIENCE

UFONE GSM (Lahore -6 weeks)

Network Switching Subsystem (NSS) Engineering Department. Complete understanding of the GSM Network. Hands-on experience and knowledge of HUAWEI MSC and NORTEL MSC software's command set. The hardware and software installation of a new HUAWEI MSC was also observed. Establishment of new Nodes. The color ring background tone (CRBT) was being set up and its critical call testing was carried out. Complete understating of the CRBT call flow and call testing. Billing and Routines apart from the daily routine of extraction of billing files and Alarm management, a web based complaint manager service was also conducted, which involved resolving complaints concerned with the NSS Engineering department.

PTCL (Lahore -8 weeks)

High Capacity Transit Exchange. Analysis of Communication System, A to D conversion and Quality Management over large distances. The network of telecommunication system, role of local and tandem exchange. Billing Zones and Billing Criteria.

■ TECHNICAL SKILLS

- Expertise in Microsoft OfficeXP, Autocad, PSPICE, Primavera Project Planner, Matlab, Pro
- Familiar with Industrial Management and Engineering Economy
- Programming knowledge of C/C++, Assembly Language for 68k Motorola Microcontroller using

■ HONORS , AWARDS AND ACHIEVEMENTS

- Highest Percentage in A-level Urdu examination amongst all campuses of school.
- Participant of NERC (Robotics Competition) 2006.
- Won second prize in inter-school bilingual declamation contest

■ EXTRA CURRICULAR ACTIVITIES

- Participant of GIK Drama Competition
- Represented GIK in Hard-ball Cricket team and Volleyball, in fixtures against FAST(ISL)
- Executive member of Projecttopi, a public welfare society in GIK Institute
- Organizer APEC (All Pakistan Electrical Engineering Conference) 2006, 2005.
- Organizer OPENHOUSE 2005, 2006 &2007

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- President of The Institution of Engineering and Technology (IET) GIK student's chapter
- Member of IET Pakistan young members' section

ADNAN MUSTAFA QURESHI

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■ OBJECTIVE

To start my career in a dynamic environment, that harnesses my technical, management and decision making skills and makes me an effective member of a successful organization.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.15/4.00
2002-2004	Govt. College, Multan	918
2000-2002	Nishat High School, Multan	741

■ FINAL YEAR PROJECT

Virtual Presence

Our project aimed to enable human senses in a virtual environment. In our prototype, a robotic arm at the virtual end follows the user arm via mechanical glove and assembly. Force, video, audio and temperature feedbacks are enabled via TCP/IP. It encompasses control, communication and instrumentation.

■ PROJECTS

- Electric Machines: Simulation of A/C, 3-phase Synchronous Motor in Lab View.
- Communication Theory: Implementation of AM radio.
- Microprocessor Interfacing: Line Tracking Mechanism for an autonomous body.
- Computer Architecture: Hardware Implementation of 8 bit Simple As Possible Computer.
- Engineering Economy: Software that can compute cash flows and evaluate alternatives.

■ WORK EXPERIENCE

Telenor Pakistan Ltd.(O & M Department)

Worked in Network Operation Center (NOC), Islamabad performing network management, troubleshooting, online trouble ticketing, escalations and field follow-up procedures. Selected out of 8 interns to prepare a consolidated report on newly established TP NOC's procedures and guideline for future interns

Alcatel Pakistan Ltd.

6-week internship at Alcatel Pakistan Ltd. during June-July 2006, 4 weeks in BSS Operations Multan and 2 weeks in Purchase Department, Head Office Islamabad.

■ TECHNICAL SKILLS

- Nokia NetAct, Siemens Radio and Switch Commanders and HP Service Desk
- Programming knowledge of C/C++, Matlab, Pinnacle, Keil uVision, PLC Ladder.
- Sound knowledge of Lab View, PSpice.

■ HONORS , AWARDS AND ACHIEVEMENTS

- Elected as the President SOPHEP (Society for Promotion of Higher Education in Pakistan),
- Selected out of 8 interns during summer internship to prepare a final departmental report
- 2nd position in Pre-Engineering in College and 10th in Board overall .

■ EXTRA CURRICULAR ACTIVITIES

- Won the Inter batch Parliamentary Style Debates -Fall 2006
- Organizer GIKI and U 2005-a two day guidance workshop organized by Unilever Pakistan
- Organizer Open House & Career Fair 2005, 2006 & 2007.
- Member HORIZON Editorial board-Official Publication Society of GIKI

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Designed and organized the 1st ever All Pakistan GIKI Model UN Conference
- Headed the Liaison & Correspondence team for the 1st ever All Pakistan Education Expo 2006
- As President SOPHEP initiated the SOPHEP-Warid outreach program to promote education
- Successfully organized All Pakistan Engineering Conference-APEC 2005 & 2006
- 4-week internship in IT Division MCB, Sahiwal Region during June-July 2005

AFAF UR REHMAN

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■ OBJECTIVE

To contribute positively to your professional environment, while continuing to polish my managerial, technical and interpersonal skills and develop my full potential.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.88/4.00
2002-2004	Garrison Science Degree College, Lahore, Pakistan	851
2000-2002	Lahore Model School, Lahore, Pakistan	664

■ FINAL YEAR PROJECT

Speech Signal Tone Transformation

Converting the voice of one person to another using Fast Fourier Transform in real time.

■ PROJECTS

- Communication Theory: Designed and implemented an AM Radio
- Electronics II: Designed and implemented a standard power supply
- Control Systems: Implemented a system in MATLAB for controlling a PMDC Motor
- Signals & Systems: Implemented the techniques of Sound Recognition in MATLAB
- Microprocessor Interfacing: Implemented secure transmission of data (Encryption/Decryption)

■ WORK EXPERIENCE

Unilever Pakistan Ltd.

I interned for six weeks in Supply Chain (Production) at UPF plant & my project was Material Losses Minimization. It involved analysis of the causes and proposing the solution to minimize the losses in the production. I also learned valuable TPM (Total Profit Management/Maintenance) techniques.

Warid Telecom

I interned for six weeks in the Engineering Division. During this time I researched and compiled reports for the CTO of Warid Telecom on the Overview of Telecom Industry in some specific countries. I spent about a week studying GSM technology. I also developed a SIM Database in MS Access using VBA

■ TECHNICAL SKILLS

- Expertise in Programming Language C++, MATLAB, Microsoft Office, LabView, Pspice.Workbench
- Familiar with LAN and its trouble-shooting
- Expertise in Technical Report Writing

■ HONORS , AWARDS AND ACHIEVEMENTS

- Won the silver medal for my result in the graduating class at Lahore Model School
- Participant of the National Engineering Robotics Competition (2006)
- Member of the English Editing team & Layout Head of GIKI Magazine

■ EXTRA CURRICULAR ACTIVITIES

- Executive member of Horizon Publication Society GIKI
- Executive member of Project Topi (Welfare Society)
- Member of organizing team for GIK Institute senior batch farewell (2006), welcome (2006)
- Participant in Intra GIKI Drama Competition
- Member of the Lahore Model School Football and Volleyball teams (2000-2002)

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Internship(4 weeks) in the Customer Operations Division at Wateen Telecom.
- Internship(4 weeks) In the Network Switching Subsystem(NSS) at Worldcall Wireless

AHMAD USMAN

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■ OBJECTIVE

To start my professional career in an organization where I can develop and utilize my professionalism, positive attitude, communication and leadership skills.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.7/4.00
2002-04	F.G Sir Syed College, Mall road, Rawalpindi	895/A1
2000- 02	Army Public School,Ordinance road, Rawalpindi	743/ A1

■ FINAL YEAR PROJECT

Virtual Presence

The aim of the project is to provide the user with audio, visual and touch feedback from the robotic arm. A mechanical glove at the user end would enable the user to not only control the movement of robotic arm, but, would also provide the touch feedback.

■ PROJECTS

- Made a simulation for the real time control of an induction motor through PID controller.
- Hardware implantation of a PID controller to improve the response of a practical DC Motor.
- Designed and constructed a robot capable of tracking a straight or curved line.
- Coded a quiz program with self adjusting difficulty level using C++.
- Implemented a five instruction hard-wired Simple As Possible (SAP) Computer.

■ WORK EXPERIENCE

Pakistan Tobacco Company, Head Office, May - June 2007.

During my six weeks internship, I worked in the supply chain department. I had a first hand experience of how the supply chain functions in a multi national company. Moreover, I did a project with a detailed report on "the technical and financial feasibility of self power generation".

Telenor Pakistan, Technical Head Quarter, July - August 2007

I worked for six weeks in the NSS planning and VAS department. Projects and tasks, that I performed and worked on, included MSC level stats analysis using SPOTS, Core Network Audit for 33 NEs (25 EMSCs & 8 GMSCs), creating an updated record of the numbering plans with the HLR information.

■ TECHNICAL SKILLS

- Softwares and tools: Window XP,NT, PSpice 9.1, Lab View 7.1, Matlab 7.0 and MS Office.
- Programming: C++, Intel's 8051 microcontroller and PLCs using LADDER and GRAFCET.
- Networking: Familiar with Cisco routers and switches.

■ HONORS , AWARDS AND ACHIEVEMENTS

- Represented GIKI as Chief Adjudicator in South Asian Parliamentary Debates,New Delhi.
- My name has been on the Dean's Honor List Six times.
- Won the 11th All Pakistan Govt College Univerisity Parliamentary Debating Competition 2006

■ EXTRA CURRICULAR ACTIVITIES

- Captain of GIK Institute's squash team.
- President of Literary and Debating Society, organized 6th Intl GIKI Parliamentary Debates.
- Organizer Open House and Career fair 2005, 2006 & 2007.
- Member organizing committee GIKI vs. LUMS, GIKI vs. Fast, GIKI vs. NIIT sports Fixtures.
- Executive member of GIKI Hockey Club.

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Worked as an intern for Pakistan Tobacco Company, Akora Khattak Factory ,July- August 2006
- Executive member of Society for Photo Optical Instruments Engineering (SPIE).
- I wokred as anchor/host for Radio Pakistan Islamabad in summer 2002.
- Participated in National Engineering Robotics Competition (NERC) in June 2006.

AHMED FUAAD

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■ OBJECTIVE

To apply my technical and managerial skills in a professional and dynamic working environment in a way to refine them and hence, increase my competence in the corporate sector.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.67/4.00
2002-2004	Beacon House School System (Garden Town Branch), Lahore, Punjab, Pakistan	3A's, 1B
1999-2002	Beacon House School System (Garden Town Branch),Lahore, Punjab, Pakistan	5A's, 2B's

■ FINAL YEAR PROJECT

Virtual Presence

The scope of the project revolves around two ends: user end (a mechanical glove) and virtual end (a six DOF robotic arm). It is a dual purpose project: first, it controls the actions of the robotic arm at a virtual environment and second, it enables the user with visual, audio and force feedbacks.

■ PROJECTS

- Communication Theory: AM Radio Receiver tuned at fixed frequency.
- Microprocessor Interfacing: Two-Functional, Four-Digit Expression Solver.
- Signals and Systems: A software for Discrete-Time Convolution using MATLAB.
- Electric Machines: A simulation for Synchronous Motors using LabVIEW.
- Computer Architecture: Five-Functional Simple-As-Possible (SAP) Processor.

■ WORK EXPERIENCE

Telenor Pakistan

8 weeks summer internship in 2007 in the NSS Planning and Optimization Department, where I acquired a sound understanding of the GSM architecture and was involved in the Core Network stats analysis, basic command set of the Switch Commander, data reconciliations and designing a NSS Network Diagram.

Pakistan Mobile Communications-Mobilink

8 weeks summer internship in 2006 in the BSS Planning Department, where I was involved in the hardware reconciliation of BSC database, Rollout reconciliation of BSC's, basic command set of Motorola and Alcatel OMC's, Map Info reconciliation, and providing solutions to over-traffic problems of BSC's.

■ TECHNICAL SKILLS

- Operating Systems: Windows 9X / 2000 Professional / XP Professional.
- Programs & Languages: Turbo C++, Microsoft Office.
- Design & Analysis: PSpice, MATLAB, LabVIEW.

■ HONORS , AWARDS AND ACHIEVEMENTS

- Awarded a gold medal by my school for the outstanding academic result of Advanced Level.
- Received academic scholarships by my school every year from 7th grade to A' Level.
- Won academic awards for being one of the top two position holders in class at school.

■ EXTRA CURRICULAR ACTIVITIES

- Support Head of Literary and Debating Society (LDS) on 6th GIKI Parliamentary Debates '07.
- Editor-in-Chief, Urdu Editorial Board of "Horizon", the official annual magazine of GIKI.
- Executive Member of GIKI Hockey Club (GHC).
- President, Literary Society of Beacon House School System, 2002-2004.
- Editor-in-Chief, Urdu Editorial Board of "The Beam", the annual magazine of Beacon House.

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- SOS Children's Village: 3 weeks voluntary work in 2003 where I taught destitute children.

AHMED ZUBAIR KHAN YOUSUF ZAI

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■ OBJECTIVE

To make each day count by continuous value addition through efficient utilization of my knowledge, skills & practical abilities in a rewarding environment with growth opportunities

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.8/4.00
2002-2004	The City School, Capital Campus, Islamabad, Fedral, Pakistan	2'A's 1'B'
2000-2002	The City School, Capital Campus, Islamabad, Fedral, Pakistan	4'A's 4'B's

■ FINAL YEAR PROJECT

Non-Invasive Brain Actuator

Design and implementation of a non-invasive brain actuator used to facilitate the handicapped. By using an electrode cap, we acquire the signal, and then after analysing it in MATLAB, the signal is used for actuation.

■ PROJECTS

- Designed an AM Transmitter Receiver system
- Implemented Voice Recognition codes in MATLAB
- Designed a PID Speed Controller using Labview
- Simulated a DC motor using Labview
- Designed a Calculator

■ WORK EXPERIENCE

SCHLUMBERGER INTERNATIONAL SEGMENT: Wireline

Studied the basic operations of the wireline segment and did a comprehensive project on Wireline Fishing Technique. Also studied and made reports on the basic operations, rig-up equipments, cables etc

OIL and GAS DEVELOPMENT CORPORATION LIMITED

Worked on the "Data Logging equipment" and gained experience of analytical control systems and made a comprehensive report on the H₂S meter

■ TECHNICAL SKILLS

- C++, Visual Basic, MATLAB, Labview
- PSpice, Circuit Maker, Pro Desktop MS Visio
- LADDER languages

■ HONORS , AWARDS AND ACHIEVEMENTS

- Winner Intra-GIKI Invention Contest 2005
- Winner Intra-GIKI Kasoty 2004
- Winner of Speed Wiring Competition 2005

■ EXTRA CURRICULAR ACTIVITIES

- Co-Headed the Publicity of 8th All Pakistan Science Fair 2007
- Head of Publicity team of GIKI Science Society
- Executive member of GIKI Media Club
- Performed on CDES GIG night as lead guitarist
- Member of batch cricket, football and Volleyball Teams

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Worked in NIC Electronics department

AHSEN EJAZ

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■ OBJECTIVE

To fuse academic knowledge with rigorous practical experience by contributing positively to your professional environment, while continuing to expand my knowledge and hone my interpersonal abilities

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.18/4.00
2002-2004	Govt. College, Multan	889/1100
2002	Nishat High School,Multan	721/850

■ FINAL YEAR PROJECT

Virtual Presence

An illusion of presence at a remote environment created by devices such as video cameras, temperature and pressure sensors. The scope of project revolves around two ends: remote end (six DOF robotic arm) and a user end (mechanical glove) which enables the user to get visual, audio, temperature, and force feedback from the remote environment.

■ PROJECTS

- Developed an educational simulation program for analysis of a synchronous motor in LabView
- Implemented SAP(simple as possible computer)
- Induction motor control and optimization using Genetic Algorithm
- 7-Digit 4-function expression solver using prefix
- Technical Report on The aftermath of 9/11

■ WORK EXPERIENCE

Mobilink

I did an 8 week internship at the Quality of Service department of Mobilink, Multan. As a quality engineer my job was to find issues that are threatening the quality of service of the Mobilink network. For this purpose I performed site audits, drive tests using TEMS and complaint handling.

■ TECHNICAL SKILLS

- Matlab/Simulink
- C++, Labview 7.1, Familiar with computer architecture and computer networks
- MS Office, Technical Report Writing

■ HONORS , AWARDS AND ACHIEVEMENTS

- Winner Speed Wiring Competition APEC 2006
- On 'Dean's Roll of Honor' 6th semester

■ EXTRA CURRICULAR ACTIVITIES

- Organized Speed Wiring Competition at All Pakistan Electronic Engineering Conference '07
- Organized Conceive Implement and Compete Competition at APE2C
- Participated in GIKI Drama Competition
- Participant National Engineering Robotics Competition '06 held at NUST
- Participate in sports

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Executive member of Institute of Engineering and Technology GIKI Chapter
- Executive member of American Society of Mechanical Engineers GIKI Chapter

ALI ATTIQUE

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■ OBJECTIVE

Looking for an organization with a learning and competitive environment to improve and enhance my practical and managerial skills.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.27/4.00
2002-2004	Crescent Model Higher Secondary School, Lahore	1 A, 2 B
2000-2002	Crescent Model Higher Secondary School, Lahore	2 A, 5 B, 1 C

■ FINAL YEAR PROJECT

MagLev [Magnetic Levitation] Train

Our Maglev Train uses a Electromagnetic System,levitating on a steel rail while electromagnets,on the train,are oriented toward the rail from below.Feedback control is used to maintain the train at a constant distance from the track.Both levitation and propulsion using onboard linear motor.

■ PROJECTS

- Communication Theory: Designed and implemented an AM radio receiver using envelope detec
- Electronics II: Designed and implemented a signal generator using op-amps and oscillator
- Control Systems: Simulated control of a 3 Phase Synchronous Motor using fuzzy controller
- Microcontroller Interfacing: Designed and implemented a handheld ultrasonic range finder
- Extensive Programming: Developed a bank management system with classes and file handling

■ WORK EXPERIENCE

Warid Telecom, Lahore.

I interned 8 weeks in Warid NSS Engineering with Project Management Group [PMG]. I was responsible for the accumulation of all the

data for a 3rd NDC launch, maintaining SIM database of PMG, and was given a number of projects to work on. My projects involved

VoIP, SS7,seamless handoffs and SCTP

Ufone, PTML, Lahore.

The 6 weeks internship brought with it the responsibilities of MSC/HLR cutover testing, taking MSC/HLR backups, QoS testing, loop testing of DDF, alarm monitoring, applying security patches, troubleshooting for call muting and cross talk, checking for call routing and making outage reports.

■ TECHNICAL SKILLS

- Languages/Packages/Tools: MATLAB, LabView 7, Microsoft Office, C/C++.
- Editing & Designing Software: Proficient in Adobe Photoshop, Adobe Premier Pro 2.

■ HONORS , AWARDS AND ACHIEVEMENTS

■ EXTRA CURRICULAR ACTIVITIES

- President of GIKI Media Club.
- Executive member IETGIKI chapter. Served as publicity head for APE2C 2006.
- Was the publicity and Entertainment night head for GIKI Model United Nations Conference.
- Executive member and publicity team head for Education EXPO, 2006-2007
- Event incharge of GIKI Movie Competition 2005-2006

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- I am leading a team for Open House'08, which is responisable for all designing tasks.
- Lead a team for last years Open HOUse for designing purposes.
- Represented GIKI at Movie Competition in NUST.
- Represented GIKI at ugx e-gaming competition.

AMNA SHAHID

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■ OBJECTIVE

I aspire to work in a challenging and competitive environment where I can experience the dynamism of professional work that would help me to enhance my technical and managerial skills.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.75/4.00
2002-2004	Lahore Grammar School, Lahore,Punjab,Pakistan	3 As
1999-2002	Convent of Jesus and Mary,Lahore, Punjab, Pakistan	3 As and 5Bs

■ FINAL YEAR PROJECT

Analysis of Outdoor Radio Frequency Propagation Model used by Telenor Pakistan and its tuning

A comparison of the predicted and measured values of the received signal strength and to reduce the mean square error by varying the propagation constants so as to tune the model for a particular clutter type

■ PROJECTS

- Communication Theory: Design and implementation of an AM-modulated radio transceiver
- Control Systems: Design and simulation of a PID controller of a motor
- Electric Machines: Simulation of a Brushless DC motor using Lab
- Microprocessor Interfacing: Developed a calculator by interfacing an LCD and a keypad
- Signals and Systems: Image Processing in Spatial and Frequency Domain using MATLAB

■ WORK EXPERIENCE

TELENOR, Pakistan

Worked in the BSS Implementation Department, studied the GSM Network Architecture and hands on experience of the BTS site installation and installation of other BSS equipment

SIEMENS, Pakistan

Worked in the Communication Enterprises & Networks (COM-EN) Department. Studied ISDN and HiPath 3000 series for integrated voice and data solution and worked in the Sales department

■ TECHNICAL SKILLS

- Design and Simulation: Lab View , MATLAB, Simulink, Pspice, Pro-Engineer Wildfire, Keil
- Programming Languages: C++, PLC programming, Assembly Language

■ HONORS , AWARDS AND ACHIEVEMENTS

■ EXTRA CURRICULAR ACTIVITIES

- Executive Member, Institution of Engineering and Technology (IET), GIKI chapter
- Participated in Intra GIKI Drama Competitions in 2004 and 2006
- Member organizing team of the All Pakistan Engineering Conference (APEC) 2005-07
- Volunteer organizer for SOFTCOM 2004 (All Pakistan Software Competition)
- Member of Dramatics and Social Works Society at Lahore Grammar School

ARSALAN TAYYAB

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■ OBJECTIVE

To work in a challenging environment where I can practically apply and improve the technical and managerial skills acquired from my education

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.67/4.00
2002-2004	Karachi Grammar School, Karachi, Sindh, Pakistan	1 A, 3 B's
1999-2002	BeaconHouse School System,Karachi, Sindh, Pakistan	10 A's, 1 B

■ FINAL YEAR PROJECT

Source Signal Tone Transformation

Conversion of the voice of a Source Speaker to the voice of a Target Speaker in real-time using Fast Fourier Transforms

■ PROJECTS

- Design and Control Implementation of a DC Motor using PID & Lead-Lag Compensators
- Design and Implementation of a Tunable AM Radio
- Design and Implementation of a Desktop Computer's Power Supply using Zener Diodes
- Design and Hardware Implementation of a Calculator on the Intel AT89C51 microcontroller
- Design of a Wireless Power Transfer System

■ WORK EXPERIENCE

Pakistan Mobile Communications Ltd. (Mobilink GSM)

Department-Quality of Service-Drive Testing and Field Measurement

The work included performing Drive Tests using TEMS Automatic, performing Site-Audits, dealing with Corporate Clients, using CIGALE View for QoS Analysis Application and fulfilling learning objectives related to Advanced GSM Protocols

Siemens Pakistan Engineering Co. Ltd

Department-Business Unit(On-Call Logistics and Maintenance)

The work included learning about the basic functions and troubleshooting of the Siemens S5 and S7 Programmable Logic Controllers.

■ TECHNICAL SKILLS

- Operating Systems: Windows (95,98,2000,XP), Languages: C++
- Software Packages: Pspice, Circuit Maker Pro, MS Word, MS Excel, MS PowerPoint, Lab View
- Telecommunications Tools: TEMS Automatic, Cigale View for Analysis Applications

■ HONORS , AWARDS AND ACHIEVEMENTS

- Valedictorian: Beacon House School System (2002)

■ EXTRA CURRICULAR ACTIVITIES

- Tournament Director and Liaison Head: The 4th All Pakistan Gaming Tournament "uber.gameX"
- Director of Stage Performances: GIK Institute Senior Farewell, and Freshman Welcome
- General Secretary: NETRONIX, the society responsible for the GIK Institute LAN
- Executive member : Organizing Committee for the 2nd and 3rd All Pak. Gaming Competitions
- Author: "Patients' views about physicians' spiritual role in the medical practice" (JCPSP)

AYAZ MOEED

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■ OBJECTIVE

To work in a dynamic environment where I can broaden my horizon by complementing my theoretical knowledge with practical experience.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.42/4.00
2002-2004	DHA Public School, Karachi, Pakistan	1A, 2B's 1 C
2000-2002	DHA Public School, Karachi, Pakistan	4A's, 5B's 1C

■ FINAL YEAR PROJECT

Non-Invasive Brain Actuator

This project deals with the design and implementation of a brain-computer interface (BCI) that transforms EEG signals originating from the human brain into commands that can control devices or applications.

■ PROJECTS

- Digital Communication Systems: Designed and Implemented an AM Radio Receiver
- Signals and Systems: Discrete Cosine Transforms and its applications in image compression
- Electric Machines: Simulation of Steady State Characteristics of Induction Motor
- Electronics II: Implementation of Computer Power Supply
- Thermodynamics: Verification of the 1st Law of Thermodynamics

■ WORK EXPERIENCE

Siemens Pakistan Engg Co. Ltd.

Interned in the Business Unit of the Transmission & Distribution (TD) department for a period of 6 weeks where I was working on the Load Dispatch Centre project given to Siemens by the KESC.

Shell Pakistan Ltd

Interned at the Retail Engineering Department of Shell Pakistan for an 8 week period. My first project was to conduct a field survey of existing network electrical loads (Gensets and Compressors) including guidelines for equipment, wiring selection as per applicable codes. During the course of this project I prepared an electrical load calculation tool using Microsoft Excel macros that would calculate the total electrical load and the generator requirement for a particular Shell Retail Site. My second project included reviewing the feasibility of installing solar panels on retail sites

■ TECHNICAL SKILLS

- Microcontrollers: Intel 8051 and Motorola 68000
- Languages and Applications: C++, Visual Basic, Matlab 6.5
- Software Packages: Microsoft Office, Pspice

■ HONORS , AWARDS AND ACHIEVEMENTS

- 3rd highest scorer of a Quranic Arabic exam held by the Society for Promotion of Arabic
- Vice-Captain of the runners-up cricket team in an Inter-college cricket tournament
- Captain of DHA Public School Scrabble team

■ EXTRA CURRICULAR ACTIVITIES

- Lead Guitarist for a university band "Sitam"
- Head of Musical Performances for Farewell 2006 at GIKI
- Executive member of Society for Photo-Optical Instrumentation Engineers (SPIE)
- Member of the teaching and fund collection teams of Project Topi, a social welfare society
- Member of Cricket, Swimming, Table Tennis and Squash teams at GIKI

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Worked for 2 months teaching O-Level students at Inspire Institute.

FAHD MIR JAN

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■ OBJECTIVE

To excel in an environment that helps me apply and cultivate my techno-managerial skills and prepares me to brace myself for cut-throat competition in the corporate world of today.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.76/4.00
2002-2004	Edwardes College, Peshawar, NWFP, Pakistan	1A, 2Bs
2000-2002	Edwardes College School, Peshawar, NWFP, Pakistan	6As, 1B, 1D

■ FINAL YEAR PROJECT

Magnetic Levitation (train)

Implementation of attraction based Magnetic Levitation in a model train using EMS technology.

■ PROJECTS

- Computer Architecture: Hardware implementation of Simple as Possible Computer.
- Control Systems: Simulation of Fuzzy Control system in Simulink.
- Electronics-II: Signal generator with varying frequency using 741 op-amp.
- Signals and Systems: Image zooming with Enhancement filters in MATLAB.
- Object Oriented Programming: Bank Management Software.

■ WORK EXPERIENCE

Elektro-Control Industries

Worked as intern at ECI Islamabad for a duration of 8 weeks. Worked on Research & Development related projects and designed a low RPM alternator.

■ TECHNICAL SKILLS

- MATLAB/Simulink, ProE Wildfire, PSPICE, LabView
- Pinnacle, C51 Compiler [Keil]
- C/C++, Adobe Photoshop, Flash, Adobe AfterEffects, MS Office, MoHRadiant

■ HONORS , AWARDS AND ACHIEVEMENTS

- Won the Brainwave Quiz contest 2005 organized by IEEE.
- Won the Inquisition Quiz competition 2006 organized by ACM.
- Won UGX.Dota All-Pakistan e-gaming competition fall 2007.

■ EXTRA CURRICULAR ACTIVITIES

- Attended workshops related to ProE Wildfire, Microcontrollers and UMTS.
- Created 3D maps for First Person Shooter E-Games Counter Strike and MohAA.
- Film making and special effect editing.
- Organized German French and Japanese lessons on Local Area Network via mIRC.

HASSAN SHAHID

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■ OBJECTIVE

To work in a challenging environment where I can contribute and improve my technical knowledge and various managerial and decision making skills.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.8/4.00
2002-2004	Beaconhouse Public School, Margallah Campus, Islamabad	2A's, 1B
1999-2002	Beaconhouse Public School, Margallah Campus, Islamabad	5A's, 2B's

■ FINAL YEAR PROJECT

Speech Signal Tone Transformation

We will Digital Signal Processing to find the relationship (transfer function) between the voices of two people and use that to transform one person's voice into second person's voice. The code will be implemented in Matlab 7.5 r2007b

■ PROJECTS

- DC Motor Control using PID & Lead-Lag Compensators
- PC Power Supply using Zener-Diode
- Tunable AM Radio
- Steady State Characteristics of DC-Motors
- Implementation of Wireless Power Transfer

■ WORK EXPERIENCE

Ericsson Pakistan

8 Weeks Summer Internship. Worked in SLSI Department in Lahore. Did a detailed study of Ericsson's Charging System 3.0, Warid Pakistan CS and VAS Nodes.

■ TECHNICAL SKILLS

- Advanced knowledge of Networking and Linux Server Administration
- Expertise in MS Windows, MS Word, MS Excel, MS PowerPoint, MS Access, Photoshop CS3
- Know-how of professional software like Matlab 6.0, P-Spice, Pro-E, Lab-view and C++

■ HONORS , AWARDS AND ACHIEVEMENTS

- President NETRONiX (Society responsible for maintaining LAN and E-Gaming in GIKI)
- Participant in NPTC-8 (National Physics Talent Contest held at PIEAS)
- Winner Master Mind 2007 (Organized by ASM-TMS)

■ EXTRA CURRICULAR ACTIVITIES

- Organizer üGx '07 (4th All-Pakistan E-Gaming Competition)
- Vice-Coordinator Farewell'06 (Organizing Committee for senior batch farewell)
- Technical Head SnP'06 (Intra-GIKI E-Gaming Competition)
- Technical Head üGx'06
- Member of Football Club GIKI

IBAD UR REHMAN AHMED

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■ OBJECTIVE

To be part of an organization that has a competitive environment, stimulates critical thinking and puts to practice my techno-managerial skills so that I can play a role in helping it achieve its goal.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.12/4.00
2001-2003	The Aga Khan Higher Secondary School, Karachi	955/1100
1999-2001	New Day Secondary School, Karachi	758/850

■ FINAL YEAR PROJECT

Flight Stability and Landing Control of Guided Aircraft

The project is aimed at designing such a control system that lets the flying model proceed with autonomous landing maintaining flight stability. The task is highly sensitive to environmental changes and thus requires a thorough aerodynamic analysis, flight control and instantaneous sensor feedback.

■ PROJECTS

- Implementation of variable regulated power supply.
- Designed an AM Radio.
- Encryption and Decryption over a serial port using the 8051 microcontroller.
- Filter Design Simulator in Matlab using active filters.
- Stabilizing of system in Simulink using Lead-Lag Compensators and PID.

■ WORK EXPERIENCE

Shell Pakistan Limited

Interned for 6 weeks in the Distribution Dept. at Keamari Installation. Was assigned a project on recommendations to bring flow-meter calibrations inline with manufacturer specified tolerance limits. Developed detailed know-how of the operations and distribution function of downstream activities.

Siemens Pakistan

Interned for 4 weeks at the Communications Enterprise Business Unit. Developed a familiarity with PABX, VoIP, WLAN and GSM along with basic sales and CRM procedures. Designed network expansion layouts for Geo News, DIB and Metropolitan Bank.

■ TECHNICAL SKILLS

- Have worked extensively on the 8051 microcontroller and its assembly programming.
- Comfortable with MS Visio, Matlab and Lab View as well as Photoshop and Flash.
- Proficient in C, C++ and Visual C.

■ HONORS , AWARDS AND ACHIEVEMENTS

- Was the gold-medallist in school and grabbed third position in college.
- Was one of the five interns selected to represent Siemens at ITCN Asia Expo Karachi 2006.
- Was appointed Director of the Security Council at GIKI Model United Nations held in 2007.

■ EXTRA CURRICULAR ACTIVITIES

- Freelance writing; both prose and poetry. Maintain a blog <http://ibadsrants.blogspot.com>
- Debating; both declamation and parliamentary style.
- Acting and Singing.
- Playing badminton and lawn tennis.
- E-gaming (Counter-strike).

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Executive Member IEEE, GIKI Chapter.
- Participated and organized various SOPHEP activities in GIKI.
- Represented Siemens as Head Intern at the ITCN Asia Expo 2006.
- Participated in YLC 2002 and GIMUN 2007. Honorary guest at YLES 2008.
- Organized various voluntary campaigns of Fatimid Foundation and Dar ul Sukun in school.

IQBAL SHARFUDDIN HAMDI

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■ OBJECTIVE

To pursue a career in an organization with professional environment where I can exercise my knowledge and expertise towards the growth of the organization and the society while enhancing my own skills

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.36/4.00
2002-2004	Adamjee Govt. Science College, Karachi, Sindh, Pakistan	969 (A+)
2000-2002	B.V.S. Parsi High School, Karachi, Sindh, Pakistan	776 (A+)

■ FINAL YEAR PROJECT

Location Based Information Provider

Designing and implementing Location Based Information Provider System for Telenor that will generate SMS based response to provide information according to customer's request. The project involves the creation of database in Oracle, Java programming using SMPP, MAP Protocol and TCP/IP model

■ PROJECTS

- Simulation of DC Motor in Labview (Course: Electric Machines)
- Voice Recognition System using Matlab (Course: Signals & Systems)
- LCD Calculator and Digital IC Tester using AT80c51 (Course: Microprocessor Interfacing)
- PC Power Supply (Course: Electronics II)
- Analog clock using C++ (Course: Introduction to Programming)

■ WORK EXPERIENCE

Ericsson Pakistan (summer 2007)

Interned at the Cell Planning Department for a period of 10 weeks where I was assigned on Paktel (CMPak) Project and was involved in the Cell Planning, surveys and successful launch of more than 200 BTS sites

Siemens Pakistan (summer 2006)

Interned at the Business Unit of Transmission & Distribution department for a period of 4 weeks where I was part of the team working on the Load Dispatch Centre project given to Siemens by the KESC

■ TECHNICAL SKILLS

- Programming Languages: C, C++, Assembly language of M68K & AT80c51, Pspice, Pinnacle
- Softwares: Matlab, Labview, Mapinfo Professional, TEMS Investigator
- Applications: MS Word, MS Power Point, MS Excel, Adobe Photoshop

■ HONORS , AWARDS AND ACHIEVEMENTS

- Placed on Dean's Honor Roll for Fall Semester 2007
- Awarded scholarship by Karachi Board for securing merit position in the SSC exams 2002
- Declared Best Student of B.V.S. School 2002

■ EXTRA CURRICULAR ACTIVITIES

- Event coordinator of Speed Wiring Competition '07 (Intra-GIKI circuit design competition)
- Media Head All Pakistan Engineering Conference 2006 [APEC '06].
- Acted and directed a play at the Farewell 2006
- Executive member of the Institute of Engineering and Technology [IET] (GIKI chapter)
- Headed various social welfare projects as an Executive member of Project Topi

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Designing and implementing Location Based Information Provider System for Telenor

JAWAD ARSHAD

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■ OBJECTIVE

To pursue a challenging career that will utilize and develop my managerial, interpersonal, technical and leadership skills.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.76/4.00
2001-2003	Government College University, Lahore, Punjab, Pakistan	883/1100
1999-2001	Crescent Model Scholl,Lahore, Punjab, Paakistan	732/850

■ FINAL YEAR PROJECT

Dual Stack (IPv4/IPv6) wireless LAN deployment at GIK Institute Campus

This project consists of complete deployment of Wireless LAN which will enable users to get the wireless connectivity for both IPv4 and IPv6. IPv6 deployment is very rarely done in wireless environments. This project will also serve as a test platform for the future developments in IPv6 technology.

■ PROJECTS

- Object Oriented Programming– Project in C++ language of database of Hospital Management-
- Computer Architecture – Design and Implemented SAP (Simple As Possible) computer.
- Design of Engineering Economics Software for the calculations of different cash flows etc
- Designed and deployed a wired LAN in a new hostel of GIKI for a capacity of 200
- Microprocessor Interfacing – Designed a token ring topology using 80c51 microcontrollers

■ WORK EXPERIENCE

Warid Telecom head office Lahore

Case studies in Signaling over IP (SS7/IP SIGTRAN) and Voice over IP (VoIP). Also developed several software to automate the daily work to minimize the time and make the work more precise and accurate. These software were capable of doing many jobs in minutes which take days to do manually.

KIPS Lahore

Teaching to 12th Grade students for preparing SAT, GMAT and other aptitude tests for the admissions in universities. Also conducted seminars for the university education awareness for the high school and college students.

■ TECHNICAL SKILLS

- Linux Server Administration ,LAN/WAN ,WLAN security , Architecture & design
- Microsoft Office, Microsoft Project, MACROS
- Command over computer languages like C,C++,Java,VB6,SQL,FORTRAN

■ HONORS , AWARDS AND ACHIEVEMENTS

- Selected student Delegate for the 3rd International Conference at Abu Dhabi UAE
- Youngest MICROSOFT CERTIFIED PROFESSIONAL (MCP) in VB6 in Pakistan
- CISCO Certified Design Associate (CCDA)

■ EXTRA CURRICULAR ACTIVITIES

- Audio and Video editing
- Design of automated robots using micro controllers
- Linux server administration.
- Learning latest tools and software
- Sports-- Cricket, Swimming, football

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Support team head, All Pakistan Science Exhibition 2006 and 2007
- Messing and transportation team head, All Pakistan Education Expo 2006
- Lodging team leader, All Pakistan E-Gaming competition(UGX) 2006 , 2007
- Messing team leader in Ghulam Ishaq Khan Institute Model United Nations Conference 2007
- Executive member of Society for promotion of higher education in Pakistan (SOPHEP) GIKI

JAWAD MASOOD

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■ OBJECTIVE

I am interested in applying my theoretical knowledge in the practical environment and to work objectively and professionally while enhancing my engineering, managerial and interpersonal skills.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.08/4.00
2002-2004	Dar-e-Arqam model college, Sargodha,Punjab,Pakistan	858/1100
2000-2002	Dar-e-Arqam model school,Sargodha,Punjab,Pakistan	778/850

■ FINAL YEAR PROJECT

Dual-stack (IPv4/IPv6) wireless LAN Deployment at GIKI Campus

A secure wireless network based on IPv6 such that the users who have mobile devices like PDA`s, laptops, cell phones within the premises of the GIK institute can use the facility of secure Internet, Internet relay chat client(IRC) and local email services. It will support the ipv4 as well.

■ PROJECTS

- A telephone directory (with limited storage) to hold customer's data using c++.
- Modeled"Air Gap Flux Plot Due to Three Phase Excitation in Synchronous Machines" in labVIEW
- Hardware implementation of simple as possible computer
- Bank security system employing "Atmel 89C51" Microcontroller.
- Implemented the basic mechanical model of TV using convex lenses

■ WORK EXPERIENCE

PTC (Pakistan Tobacco Company) Akora Khattak Factory

I undertook following tasks in SMD:

- 1-Study of inspection system of Mark-9 machines
- 2-Problem solving related to the inspection system
- 3-Standardization of the inspection system of different vendors
- 4-Thorough technical report describing the inspection system, issues and standardization of system.

■ TECHNICAL SKILLS

- Engineering software: Pro-Engineer Wildfire, Pspice.
- Programming in Pspice, Matlab, Labview, Keil
- MS Word, MS PowerPoint, MS Excel, MS Access, MS Outlook, c++.

■ HONORS , AWARDS AND ACHIEVEMENTS

- 1st position in school and overall 6th position in Matriculation board exam.2002
- Got 2nd position in college in FSc (pre-engineering) final exam. 2004.
- "Student of the year" award in school for the academic year 2001-2002

■ EXTRA CURRICULAR ACTIVITIES

- Participated in a video for movie competition
- Cricket and football.

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- UMTS(universal mobile telecommunication system) certification.

JAWAD RIAZ AHMAD

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■ OBJECTIVE

I aspire to become a cohesive member of a competent professional environment where I can gain experience and practically apply my knowledge

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.94/4.00
2002-2004	P.A.F Degree colege, Peshawar,N.W.F.P,Pakistan	909/A
2000-2002	Army Public School and College,Peshawar,N.W.F.P,Pakistan	727

■ FINAL YEAR PROJECT

Indoor positioning system using ultrasonic transmitters and Receivers.

Tracking a person(finding coordinates in 3 dimensions)in an indoor environment usind ultrasoic transmitters and receivers.

■ PROJECTS

- Designing and construction of a Line Tracking Robot.
- Construction and Working of SAP(simple as possible computer)
- Image filtering in spatial and frequency domain using MATLAB.
- Economic Calculator for calculating various economic parameters
- Schematics of a Squirrel cage induction motor using LABVIEW.

■ WORK EXPERIENCE

Pakistan Telecommunications Limited (PTCL)

I worked in the switching department and made a project on SS7 database.

■ TECHNICAL SKILLS

- C/C++, MATLAB, Data Structures,Adobe Photoshop,, PSPICE, LAB VIEW, Pinnacle , GRAFCET
- Protius,Mind,PHP,My SQL,Keil,pic basic.
- Windows, Office, Word, Excel and Power point.

■ HONORS , AWARDS AND ACHIEVEMENTS

- Topped entry test in N.W.F.P and got CHIEF Minister's scholarship.
- Topped ARMY PUBLIC SCHOOL in matriculation
- Topped P.A.F College in F.S.C

■ EXTRA CURRICULAR ACTIVITIES

- Member of AIAA society at G.I.K.I.
- Was Member of Organizing Team of Farewell and Welcome Party
- Volunteered for many intra giki events
- Chess(member of batch team), Table tennis, Cricket

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Participated in All Pakistan speed wiring competition.
- Participated in NERC 2006 held at NUST.
- Took workshop on GSM and UMTS

KAMRAN MEMON

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■ OBJECTIVE

To pursue a job in a well reputed company, facing a challenging and competitive environment. Getting a stronger hold on my engineering concepts and enhancing my managerial and interpersonal skills.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.9/4.00
2002-2004	Lahore Grammar School, Lahore, Pakistan	4 straight A's
2000-2002	Lahore Grammar School, Lahore, Pakistan	5 A's 2 B's

■ FINAL YEAR PROJECT

Dual-stack (IPv4/IPv6) wireless LAN Deployment at GIKI Campus

A secure IPv6 wireless network such that the users with mobile devices like PDA's, laptops, cell phones within the premises of the GIK institute can use the facility of secure Internet, Internet relay chat client (IRC) and local email services. To develop awareness about IPV6 and wireless networking

■ PROJECTS

- Microprocessor Interfacing – Robotics line tracking
- Electronic Machines – LAB VIEW – Squirrel Cage schematic/structure
- Signals and Systems – Image Zooming with Enhancement Filters
- Circuit Analysis II – A case study of Generation, Transmission and Distribution system
- Engineering Economy - Feasibility Report on new McDonalds Branch in Rawalpindi

■ WORK EXPERIENCE

Nokia-Siemens-Networks Indonesia

Intro to GSM/UMTS and briefed in Network Switching Subsystem, Radio Access Network, Operation & Support Subsystem, IN based Online Charging Systems and Transmission Systems.

Also on-the-job training in:

-BSS/UTRAN, IN & NSS operations & support activities

-IN local customization projects

■ TECHNICAL SKILLS

- Network Administration, Linux System Administration, Windows System Administration
- C++, MATLAB, Java, Flash, Photoshop, Lab View, Pinnacle, PLC programming
- Web Designing : HTML, XHTML, CSS, MS SQL, MY SQL, PHP, Apache, Squid Server, OPNET IT Guru

■ HONORS , AWARDS AND ACHIEVEMENTS

- Dean's Honour Role Distinction 1st semester
- 1st position in A-Levels
- 60% scholarship on basis of O-Levels

■ EXTRA CURRICULAR ACTIVITIES

- Cricket
- Badminton
- Guitar / Piano
- Video Editing and Movie making
- Learning Japanese, German and Indonesian Languages

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Computer Networking and problem solving
- CDES All Pak Drama / Acting
- Speed Wiring Competitions
- Speed Programming Competitions
- BORAQ Space Camp

KHAWAJA QASIM MAQBOOL

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■ OBJECTIVE

To work with enthusiasm; and to learn, apply and groom my technical, interpersonal and managerial skills

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.67/4.00
2002-2004	Government College University, Lahore, Pakistan	935/1100
2000-2002	Government Model High School, Muzaffarabad (A.K)	749/850

■ FINAL YEAR PROJECT

Visual Human Tracking

It is about tracking humans in a surveillance environment using digital cameras placed at various angles. Besides providing useful security applications, it can also be used as a positioning system thus keeping the track of humans moving in a particular area.

■ PROJECTS

- Implemented the A.M Radio Transmitter and Receiver
- Control of permanent magnet synchronous motor using lead lag compensation in freq. domain
- Report on Patch Antenna
- Simulation of 3 phase 2 pole alternator in Lab View
- Database of Hospital Management in C++ language

■ WORK EXPERIENCE

JGC-DESCON ENGINEERING [PVT] LIMITED, LAHORE

Completed project on Intergraph SmartPlant Electrical and SmartPlant Engineering Manager.

Performed transient stability analysis and calculated ground resistance in ETAP.

Studied in detail the JGC Project Execution Practice and the Electrical Department Main Documents of a project.

NATIONAL TRANSMISSION & DESPATCH COMPANY LTD. LAHORE

Worked as a trainee engineering in design department of Grid Stations (G/S) & Transmission Lines (T/L).

Gained hands on experience about the design of Grid Stations and Transmission Lines.

■ TECHNICAL SKILLS

- MATLAB, PSpice, Circuit Maker, Electronic Workbench, C and C++, LABVIEW, Keil, Pinnacle
- ETAP 5.5.6, CHALMLITE-V4, LUXICON, PDS, e-DPP, GRAFCET and LADDER programming
- OM Explorer, Automated FMEA, Intergraph SmartPlant Softwares, Technical Report Writing

■ HONORS, AWARDS AND ACHIEVEMENTS

- Placed on Dean's Honor Roll at GIKI – 2nd, 3rd, 4th, 5th, 6th and 7th semester
- Rank 6th in Pre-engineering group HSSC examination from Lahore board
- Got 3rd position in SSC examination from Mirpur board

■ EXTRA CURRICULAR ACTIVITIES

- Travelling
- Cricket, Football and Badminton
- Guiding freshmen of Electronic Engineering

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Treasure IET-GIKI Chapter
- Member IEEE-GIKI Chapter
- Member of Old Ravian's Union
- Member of Horticultural Society and Purchase Committee- GCU Lahore
- Chief Organizer for three ALL PAK events APEC 05, 06 & 07

KHAWAR AMIN

HOME ADDRESS: HOUSE #1763, MOHALLAH SOHA, HARIPUR-,N.W.F.P, PAKISTAN

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■ OBJECTIVE

To pursue a career in a growing and dynamic firm, where I can apply my technical knowledge and management skills and effectively contribute to the optimal growth and benefit of the organization.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.89/4.00
2002-2004	Government College University, Lahore	863 / A
2000-2002	Abbottabad Public school and College,Abbottabad	700 / A+

■ FINAL YEAR PROJECT

Deployment of Dual-stack (IPv4/IPv6) wireless LAN at GIKI Campus

To design and deploy a Wireless Local Area Network (Wi-fi) based on IPv6 Technology so that the mobile devices like PDA's, laptops can connect to Internet wirelessly. A Dual Stack Network capable of supporting both IPv4 and IPv6 hosts with advance stability, security and authentication features.

■ PROJECTS

- Radio Frequency Identification.
- Recreated the first ever television, using lenses and LDRs
- Implementation of 16-QAM based transmitter and receiver in MATLAB.
- Designed a two way traffic light system based on real-time input from sensors.
- Designing and construction of a Line Tracking Robot with ball potting mechanism.

■ WORK EXPERIENCE

Telenor Pakistan, Islamabad

In Telenor I worked within Operations & Maintenance (Network Operating Center) in the Technical Division. There I managed continuous working of the Network (BSC's and BTS's) all over Pakistan. To monitor problems associated with the equipment in different BSC's and BTS's and provide their solutions.

Philips Electrical Industries of Pakistan Limited, Karachi

I worked within Consumer Electronics-Service Department where I was assigned various management projects. I monitored working of the Consumer Electronics-Service Department, collected and managed data to find delays, reasons of delays in services and provide recommendations for their solutions.

■ TECHNICAL SKILLS

- C/C++, MATLAB, Adobe Photoshop, ProE, PSPICE, Lab View, Pinnacle , C51 Compiler [Keil]
- PLC programming, Web Designing, OPNET IT Guru [Network Simulation]
- Technical Report, Letter Writing & Presentation skills.

■ HONORS , AWARDS AND ACHIEVEMENTS

- FEF Scholarship holder in GIKI for Position in Entry Test.
- Silver Medal in Annual Debating Competition 2001 (APS & C, ATD).
- Senior Prefect Sir Syed House (APS & C, ATD).

■ EXTRA CURRICULAR ACTIVITIES

- Member of IET-GIKI student chapter.
- Member of SOPHEP-GIKI student chapter.
- Organizer of different workshops and events at GIKI, GC & APS.
- Member Debating Society of GC.
- Captain Football Team in APS & Vice Captain Football in GC.

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Internship at Telephone Industries of Pakistan (PVT) Ltd.
- Member Organizing Committee, APEC [All Pakistan Engineering Conference].
- Member Organizing Committee, Open House 2006 and 2007 – GIKI.
- Member Organizing Committee, Batch 12 Farewell -GIKI.
- Vice coordinator of All-Pak Debating competition, GC University Lahore.

KHIZAR MAHMOOD ZIA

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■ OBJECTIVE

Aspiring to learn and grow as a dynamic professional with managerial and technical expertise; aiming to mark productivity as a career statement

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.12/4.00
2002-2004	Bahria College, Naval Complex E-8, Islamabad	793/ A
2000-2002	Islamabad Model College for Boys F-8/4, Islamabad	723/ A+

■ FINAL YEAR PROJECT

Location Based Information Provider

Designing and implementing a Location Based Information Provider System for Telenor that can be used for various customer service features. The JAVA and Oracle based application will generate SMS response, to customer request, after determining the location of the mobile user.

■ PROJECTS

- Microprocessor Interfacing: Designed and Implemented Smart Home Applications
- Signals and Systems: Modeled a Voice Recognition System in MATLAB
- Digital Control Systems: Analyzed Design of PID Controller through Fuzzy Logic
- Computer Architecture: Implemented 8-Bit Digital Data Processing Unit
- Digital Communication Systems: Designed and Implemented an AM Radio Receiver

■ WORK EXPERIENCE

Procter & Gamble

Customer Service & Logistics Function: Completed projects regarding Workflow for Cross Brand Promotions within Platinum, Artwork Process Standardization, Demand Forecast Validation, Freight Forecasting, Hurt Analysis on Brand Profitability Estimates, and Credit Limit Monitoring for Customers.

Nokia Networks

BSS Performance Management Department for Telenor Projects: Implemented solution for Performance Data Management; Performed Analysis of BTS Sites using Nokia BSS KPIs; Volunteered for On-Site analysis of BTS Sites with Nokia TI Team, Drive Testing of Telenor Networks with Nokia RF Team

■ TECHNICAL SKILLS

- Management: Supply Chain Operations Reference [SCOR] Manual, Prince 2 Project Management
- ERP-System:SAP R/3 Plant Maintenance[PM], Production Planning[PP], Material Management[MM]
- Resources: Oracle 8i, C++, JAVA, MATLAB, UNIX, MS Office, Nokia Telecom Applications

■ HONORS , AWARDS AND ACHIEVEMENTS

- Certified for P&G Business Management Course 2007
- Head of Hall Management, Reference for Ex-President Ghulam Ishaq Khan in GIK
- Passed out from Buraq Space Camp 2002 with an honorary wing

■ EXTRA CURRICULAR ACTIVITIES

- President, Association for Computing Machinery [ACM], GIKI Chapter 2006-07
- Member, Buraq Planetary Society: a private group working for the development of technology
- Executive Member, Project Topi Team, a GIKI Students social work society
- Editor, English Section of Shanawar [Official Magazine of Bahria College, Islamabad]
- Ex-Member of FM 104 Radio Buraq Team

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Intern, IT Services Department, British American Tobacco, Pakistan
- Intern, Module Testing Lab [MTL] Department, Comcept Electronics
- Intern, Ministry Of Information and Broadcasting
- Attended U Career Seminars 2006 and 2007
- Organized Telenor and BAT Pakistan Company Presentations at GIKI 2007

KIRAN SAMI

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■ OBJECTIVE

To pursue my career in a competitive and dynamic environment, where, I can broaden my horizon by complementing my theoretical knowledge by practical experience.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.72/4.00
2002-2004	Federal Govt. College for Women, F.7/2, Islamabad, Pakistan.	950/1100 (A+)
200-2002	Islamabad Model College for Girls,G.10/2, Islamabad, Pakistan.	746/850 (A+)

■ FINAL YEAR PROJECT

Magnetic Levitation

To make a working model of a MagLev Train using Electromagnetic Suspension. Its an attraction based levitation in which a certain air gap between the track and train is maintained by servo control using position feedback.

■ PROJECTS

- Signals and Systems: Digital Image Watermarking (both visible and invisible) in MATLAB
- Electronic Devices: Signal Generator producing signal with variable amplitude & frequencies
- Microprocessor Interfacing: Calculator with input from keyboard and display on LCD (ATMEL)
- Control Systems: Indirect vector controlled induction motor drive through PID controller
- Electric Machines: Simulated 3 Phase Excitation Currents in synchronous machine (LabVIEW)

■ WORK EXPERIENCE

East West Infiniti (Pvt) Ltd. Islamabad, Pakistan.

I was assigned the project to develop a sub system, named "Geophone", of their project "Platoon Early Warning System". I had to research a possible method for making the sub system at low cost and achieve the desired sensitivity. The whole project was based on programming PIC microcontrollers.

Ufone IN Operations department, Islamabad, Pakistan.

I was assigned the task to understand the principles of cellular telecommunication, structure of a GSM network (key elements). I had to understand and present the prepaid and postpaid charging scenarios. Routine tasks included maintaining Huawei and Logica Routine Forms and IR reports.

■ TECHNICAL SKILLS

- Programming Languages: C/C++, Visual C++, and PLC Programming
- Simulation Software: MATLAB, PSpice, LabVIEW, Pinnacle, Kiel uVision, ElectronicWorkbench
- Well versed in MS Office. Operation Systems: 98/2000/XP

■ HONORS , AWARDS AND ACHIEVEMENTS

- Have been on Dean's Honour Roll for 6 semesters (out of 7) in GIKI.
- FBISE scholarship holder for 4 years.
- College Gold Medallist.

■ EXTRA CURRICULAR ACTIVITIES

- Executive Member of IEEE (Institute of Electrical and Electronic Engineering) GIKI Branch
- Executive Member of Science Society GIKI
- Member of All Pakistan Science Fair organizing team, for the last three years
- Heading 'Liaison Team' for All Pakistan Science Fair '08
- Sports: Badminton (School Champion) and Volley Ball (College Team Captain)

MANZOOR AHMAD

HOME ADDRESS: VILLAGE AND POST OFFICE MANYAR, MOHALLAH KUZ PALAOW,, TEHSIL BARIKOT, DISTRICT SWAT-19241,,NWFP, PAKISTAN

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■ OBJECTIVE

Enhance my potential for achieving challenging goals as part of a coherent and stimulating team. To translate academic knowledge into practical experience through shouldering testing responsibilities

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.23/4.00
2002-2004	Edwardes College, Peshawar	915 / 1100 (A1)
2000-2002	International Education Academy, Saidu Sharif, Swat	747 / 850 (A1)

■ FINAL YEAR PROJECT

"Ultrasonic Indoor Positioning System"

Implementation of an ultrasonic tracking / positioning system which is able to determine the coordinates of an object, a person or a robot in an indoor environment. At the receiver end, data will be collected from several transmitter nodes and coordinates will be determined by "triangulation" method

■ PROJECTS

- Communication Systems: Recreated the first ever television, using lenses and LDRs
- Control Systems: Designed a PID controller for a DC Motor using "Root Locus Approach"
- Microprocessor Interfacing: Design of robot with ball potting mechanism for NERC 2006
- Signal and Systems: Image Processing through filters using "MATLAB"
- Electric Machines: Schematic design of brushless DC motor in "LABVIEW"

■ WORK EXPERIENCE

Schlumberger Seaco. Inc.

Six weeks internship at Well Testing Services (WTS) from 18th June 2007 to 30th July 2007 in Schlumberger, Islamabad, Pakistan under the supervision of Mr. Aamir Hashmi (Service Quality Coach).

Understanding of all the Sub-segments and machinery tools working under WTS was the aim of internship

■ TECHNICAL SKILLS

- Operating systems: MS Windows 98, MS Windows 2000/XP
- C++, Visual Basic, MATLAB, LABVIEW, GRAFCET and LADDER programming, PSPICE
- MS Office, Adobe Acrobat, Electronic Benchwork, Macromedia Flash

■ HONORS , AWARDS AND ACHIEVEMENTS

- Topper of school, district, and 8th position in board in Matriculation exams (2002)
- Topper of EDWARDES COLLEGE PESHAWAR (GOLD Medalist) in F.Sc exams (2004)
- Winner of Mathematics quiz competition (twice) held at EDWARDES COLLEGE PESHAWAR

■ EXTRA CURRICULAR ACTIVITIES

- Table Tennis (Batch Team Member)
- Swimming (Batch team member)
- Football
- Snooker
- Cricket

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Member of AIAA-GIKI student chapter
- Participated in all Pakistan speed wiring competition
- Member of blood donor society at Edwardes College Peshawar
- Participated in various Intra GIKI Competitions (Quizzes, Skits, Treasure Hunts)
- Worked in coordination teams of Literary and Debating Society (LDS)

MOHAMMAD ALI JAVED

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■ OBJECTIVE

To work in a dynamic organization where I get the chance to contribute with my education and knowledge, and use the experience to grow as a person and an electronic engineer.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.25/4.00
2002-2004	Beacon House School System, Islamabad,Punjab , Pakistan	1 A , 2Bs , 1C
1999-2002	Beacon House School System,Rawalpindi, Punjab , Pakistan	3 As , 2Bs ,3Cs

■ FINAL YEAR PROJECT

Designing 4 rotor helicopter

Our project is to design a 4 rotor helicopter that stably hovers and moves(pitch, yaw) on controller based input.

■ PROJECTS

- Microprocessor Interfacing: Ultrasonic rangefinder
- Signals & Systems: Encryption & decryption of wave files
- Computer Architecture: Implementing Simple-As-Possible (SAP) computer
- Object Oriented Programming: Calculation of largest sum in a matrix
- Thermodynamics: Analysis of air propulsion system in vehicles

■ WORK EXPERIENCE

Ericsson

Volunteered as an internee in Ericsson in the R.F(radio frequency dept.). This is where i was first introduced to telecommunications and i learned to conduct drive tests on new sites , and to examine the results with different softwares (Tems Investigation) which were then reported to Warid.

■ TECHNICAL SKILLS

- Turbo C
- MATLAB
- Engineering Economy Analysis and Industrial Management

■ HONORS , AWARDS AND ACHIEVEMENTS

- Highest grade in addmaths in 10th

■ EXTRA CURRICULAR ACTIVITIES

- Volunteered as liaison and participated in managing the 9th GIKI All Pakistan Bilingual
- Successfully took part in publicizing the organizing Brain Quiz Competition (General Kno
- basketball , cricket , table tennis , tennis ,gym , track running

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Summer internships at Ericsson

MOHAMMAD ANAS

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■ OBJECTIVE

Seeking a tough, engineering position where I can help achieve corporate goals in team environment.

■ EDUCATION

2004	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.47/4.00
2002	The City School, Karachi	3As
1999	The City School, Karachi	4As, 4Bs

■ FINAL YEAR PROJECT

Non-Invasive Brain Actuator

Developing a Brain Computer Interface using event related de-synchronizations of mu and beta rhythms to provide a non-muscular communication channel for locked in patients by controlling devices like wheelchair.

■ PROJECTS

- Design and hardware implementation of AM radio
- Design and hardware implementation of a Calculator on the Intel AT89C51 microcontroller.
- Implemented 8-bit SAP Computer at hardware level
- Design of a JPEG image compression utility using Discrete Cosine Transforms.
- Coomplied a feasibility report of implementing a 500MW Bio-Gas Power Generation plant in

■ WORK EXPERIENCE

WorldCall Telecom

Designed and supervised deployment of Hybrid Fiber Coaxial network for a small area and worked with a third party (ZTE) on installation and upgrading of OLT(ZXA10/s300) and ONU(ZXA10/s200). Duration: June-July 2007

Century Engineering PVT. Ltd.

Design and implementation of stepper motor driver for conveyor belt of a paper cutting machine using PIC16F84. Duration: June-August 2006

■ TECHNICAL SKILLS

- Network Administration including Anope Ircd Server
- Programming in C, Visual Basic, Matlab 2007b and LabView

■ HONORS , AWARDS AND ACHIEVEMENTS

- Awarded High Achievers Certificate by The City School (2003-2004)
- Distinction in Physics, Chemistry and Mathematics awarded by UNSW in Science Olympiad 2007

■ EXTRA CURRICULAR ACTIVITIES

- Executive Member of Netronix, the society single-handedly responsible for the LAN
- Executive Member ACM GIKI Chapter
- Organizing Team Member Softcom 2007
- Organizing team member for the All Pakistan Gaming Competition uber.gameX 2006 and 2007
- Network Administrator for GIKI LAN responsible for mIRC server

MOHAMMAD FARHAN AFTAB

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■ OBJECTIVE

To pursue a challenging and competitive job career which will utilize and develop my technical, managerial and interpersonal skills, thus contributing to the firm I am working with

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.75/4.00
2002-2004	Islamia English School, Abu Dhabi, U.A.E	3 A's
2000-2002	Islamia English School, Abu Dhabi, U.A.E	9 A's, 1 B

■ FINAL YEAR PROJECT

Flight and Landing Control of an Un-manned Aerial Vehicle

It is aimed at designing a control system that would let the flying model proceed with autonomous landing maintaining flight stability. Being highly sensitive to environmental changes, it requires a thorough analysis of aerodynamics, flight control and instantaneous feedback from the sensors.

■ PROJECTS

- Microprocessor Interfacing: Ultrasonic Range-finder and Speed-finder
- Control Systems: Designing a control system in Simulink using Fuzzy Logic
- Electronics-II: Implementation of FM transmitter and receiver
- Signals and Systems (MATLAB): Image Zooming with Enhancement Filters
- Electric Machines: Design and analysis of Squirrel Cage Induction Motor in LAB VIEW

■ WORK EXPERIENCE

Ericsson, Islamabad (Technical – May '07):

Worked as an internee in RF Planning and Optimization department for eight weeks. My main tasks included site planning, performing drive tests, analysis of drive test logs, report formation and site optimization.

H/abad Exchange Peshawar of PTCL (Technical- June '06):

Worked as an internee for eight weeks on ESWD Switching Basic Architecture, Switch Room Maintenance, Basic Subscriber Administration, Subscriber

queries and complaints, Power Plant set up and Power Plant maintenance.

■ TECHNICAL SKILLS

- Programming Languages: C/C++, Visual C++, PLC programming
- Electronic Tools: MATLAB/Simulink, Lab View, Workbench, Atmel microcontroller, PSpice
- Web Development: HTML, Javascripting, MS Visual Web developer, Adobe Photoshop, Flash MX

■ HONORS , AWARDS AND ACHIEVEMENTS

- Placed on the Dean's Roll of Honor (Distinction) in every semester so far
- Won the award for 'Best Short Movie' for year 2005-2006
- Secretary of Literary Activities for year 2004, Secretary of School Council for year 2003

■ EXTRA CURRICULAR ACTIVITIES

- Active member of IEEE (Institute of Electrical and Electronic Engineering) and GEAS
- Participated in dramas and movie competitions
- Successfully organized and participated in various debating and elocution competitions
- Actively participated in sports: Basketball, football, and athletics
- Volunteered for APEC 2007,2008, and Eye Screening Camps conducted by 'Project Topi'

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Organized workshops and educational seminars on UMTS, Robotics and Microcontrollers
- Organized Blood Camps in collaboration with Fatimid Foundation
- Participated in speed wiring, circuit designing and speed programming competitions
- Represented GIKI in National Engineering Robotics Competition (NERC '06)
- Worked as a social worker for 6 weeks in Red Crescent Society, Abu Dhabi, U.A.E.

MOHAMMAD FAROOQ

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■ OBJECTIVE

To provide maximum value to your firm by utilizing my innovative abilities and technical skills to the fullest and to learn and open up horizons of knowledge, both on the technical and managerial side

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.41/4.00
2002-2004	F. G .Sir Syed College, The Mall, Rawalpindi, Punjab, Pakistan	866 A1 grade
2000-2002	Sir Syed Public School, Tipu road, Rawalpindi, Pakistan	701 A1 grade

■ FINAL YEAR PROJECT

Correction of impaired speech signals using Artificial Neural Networks.

Artificial Neural Networks design for impaired speech signals using least mean square approximation, implementing on DSP board; thus removing the impairment in speech. Actually system is trained to rectify the impaired voice signal(of a child) by fitting it over the correct speech of his father.

■ PROJECTS

- Implementing Robot doing line-trekking using 8051 microcontroller interfacing
- Implementing the characteristics of virtual wound rotor induction motor on LabView 7.0
- Image enhancement software in MatLab, and also plotting the frequency histogram.
- Implementing an AM/FM radio Transmitter-Receiver.
- Controlling the DC motor Using PID controllers and Lead Lag Compensator (Mat Lab Coding).

■ WORK EXPERIENCE

Telenor, Pakistan:

Objectives: Learning GSM Cellular system Architecture, Radio interface, Channel Allocations, in detail. Visiting BTS sites, Repeater site for Commissioning/ Approval and testing of various elements and preparing the BoQ and also auditing a database of all Telenor sites in Pakistan.

Zhongxing Telecom Pakistan

Period: June – July' 06 Technical Department: studying and report making on SMT and Chip fabrication and various industrial control processes involved in it and repair of fixed wireless terminals.. Marketing Department: Customer care service by preparing the questioner for the consumers.

■ TECHNICAL SKILLS

- Extensive experience in Programming in C /C++, Visual C, Visual Basic, DOS etc
- 2 Electronic Simulations in Lab View, MatLab, PSpice, Electronic Work Bench, Simulink, PLC
- Engineering drawing, AutoCAD, Pro-Engineering, Wildfire, Graphic Designing, WebDevelopment.

■ HONORS , AWARDS AND ACHIEVEMENTS

- Position Holder in class from grade 6 to grade 10.
- Class prefect and class representative in School and College.

■ EXTRA CURRICULAR ACTIVITIES

- Volunteered in the frothy and vibrant events of Basant, Drama festival, Welcome/ Farewell
- Participated in Essay Writing competition [By LDS, 2004]
- Speed-wiring competition [By IEEE, 2005]
- Intra-GIKI Movie competition [By Media-Club, 2006]
- Participated in intraGIKI science marathon [By Science Society, 2007]

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- CCNA (CISCO Certified Networking Associate) crash course in summer 2006, from COMSATS.
- Wideband CDMA and UMTS (3G Cellular technology) crash course presented by IET, GIKI.
- Technical Report: A complete history and working of Pakistan's space station SUPARCO.
- Certified in Graphic Designing and Video making/editing tools from UCAT, Rawalpindi
- Case Study on ISO 9000 Quality Management Systems

MOHAMMAD TAIMOOR KHALID

HOME ADDRESS: C/O DR. KHALID AZIZ BALOCH,QAISERABAD COLONY,UNIVERSITY ROAD, ,
DERA ISMAIL KHAN,-29050,,NWFP,, PAKISTAN

E-MAIL: TK.BALOCH@GMAIL.COM PHONE: 92-321-9607570 DATE/BIRTH:6/4/1986

■ OBJECTIVE

To become an integral part of an organization that can broaden my horizon of technical knowledge and where I can gain expertise in my work field

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.68/4.00
2002-2004	Cadet College Kohat, Kohat,NWFP,Pakistan	A , 867 / 1100
1999-2002	Cadet College Kohat,Kohat,NWFP,Pakistan	A1 , 712 / 850

■ FINAL YEAR PROJECT

Web-based Distributed Process Control System

To demonstrate the control of significant parameters (temperature, flow, pressure, and level) of Industrial Processes using Distributed Control technique & Human Machine Interfaces (HMI's)for a demo Industrial Process.The Web-based feature is introduced for remote monitoring of the system.

■ PROJECTS

- Instrumentation: Designed A Data Acquisition Card Connected To Pci Slot Of A Pc Using 8255
- Digital Control Systems: Dynamics And Control Of Distillation Columns
- Control Sysytems : Matlab Simulation Of Control Of Reluctance Motor Using Pid Controller
- Microprocessor Interfacing: Intelligent Intruder Alarming System Using At89c51& Keil
- Intensive Programming:Programmed A Demo Of Monopoly Using Turbo C++(Best Semester Project)

■ WORK EXPERIENCE

ENGRO INNOVATIVE AUTOMATION PVT LTD. LAHORE

1st AUG 2007- 1st SEP 2007 in Engineering Deptt. Studied the system architectures of SLC 500 (Rockwell Automation),Control LOGIX system. Developed Ladder programs in RSLogix 500/5000 to aid the ongoing projects in the company. Developed Human Machine Interfaces (HMI)and Tags in RSVIEW32

SYED BHAIS PVT LTD. LAHORE

4TH JUN 2007- 21ST JUL 2007 in R & D Department.. Studied the architecture of Single Phase Electronic Energy Meter based on 8052 architecture.Programed the Energy Meter to implement Single-Wire Mode and aid Meter Calibration . Programed Multiplexed Character LCD to display important data

■ TECHNICAL SKILLS

- PLC PROGRAMMING : SLC 500(Rockwell),Control Logix (Allan Bradley),S7 & S5_logox(SIEMENS)
- SOFTWARES/SIMULATORS : LABVIEW (VI's +SCADA+HMI's) , MATLAB, PSPICE
- MICROCONTROLLERS : 8051 Family(Pinnacle + KEIL) ,PIC microcontrollers & Motorola 68K

■ HONORS , AWARDS AND ACHIEVEMENTS

- Received CHAMPIONS' Trophy from Governor NWFP Lt.Gen Iftikhar Hussain on Parents Day 03-04
- Captain of Winning Team of All NWFP Young Mastermind Quiz Contest at IQRA Uni Peshawar 04
- Highest Appointment Holder in Cadet College Kohat & Best Sportsman 2006 in GIKI

■ EXTRA CURRICULAR ACTIVITIES

- Present Captain of GIK Institute Football Team & remained Captain Football at CCK in 03-04
- Member GIKI Hockey Team & Coordinator (In charge) GIKI Badminton Team for 07-08
- Executive Member of GIKI Environmental & Awareness Society (GEAS)
- Executive Member of Project TOPI, a volunteer society for welfare of poor children of TOPI
- Regular participant in Quiz Competitions(2nd in Quiz & Intelligence Competitions for 2004)

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Vice-President of GIKI Sports Society (GSS) for 2007-08
- Event Coordinator of GIKI vs FAST 2007 & GIKI vs AIR Uni 2007 Sports Fixtures held at GIKI
- Organized Blood Camps in GIKI for Red Crescent and Fatmied Foundation on behalf of GEAS
- Raised funds for EarthQuake and Assisted education of poor children for Project TOPI
- Member of Annual Open House Organizing Committee GIKI in 2006 & 2007

MOHSIN KHAN

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E-MAIL: MARGHALLA@GMAIL.COM PHONE: 92-344-947-9844 DATE/BIRTH:26-04-1986

■ OBJECTIVE

My objective is to work as a team member in a reputed organization with a dynamic environment which will harness my technical, management and decision making skills and make me an effective member of a successful organization.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.4/4.00
2002-2004	Abbottabad Public School, Abbotabad., Abbottabad, Pakistan	937/1100
2000-2002	Abbottabad Public School, Abbotabad., Abbottabad, Pakistan	744/850

■ FINAL YEAR PROJECT

Design and implementation of Fast Fourier Transform (FFT) based controlling system.

Tracking problems in industry need fast and accurate controlling systems, the objective of this project is to develop efficient FFT algorithm which are both fast (less computations) and accurate.

■ PROJECTS

- Digital Control Systems- Refining of PID controller using neural networks.
- Microprocessor Interfacing- Simple CNC machine using 89C51 Microcontroller
- Control Systems- Buck and Boost convertor for DC sources.
- Electric machines - Analysis of Vibrating Electric Generator using LabView
- Signal & systems – Filter design using Matlab

■ WORK EXPERIENCE

Mobilink

Dept: Quality of Service:

Worked on TEMS and QVoice systems. Jobs included regular drive testing and site audits.

■ TECHNICAL SKILLS

- PROGRAMMING LANGUAGES: C++, Java, Verilog/HDL, PLC programming
- SOFTWARES (Technical) : Matlab, ModelSim, PSpice, LabView, ProE WF 2.0.
- SOFTWARES (General) : Adobe Photoshop, Dreamweaver, Modo, Indesign, 3DS Max, Strata

■ HONORS , AWARDS AND ACHIEVEMENTS

- NWFP Chief Minister Scholarship 2004-08
- Represented Pakistan at Education Without Borders 2007 International Conference, Abu Dhabi
- 2nd position in All Pakistan Mastermind quiz, held at CCK

■ EXTRA CURRICULAR ACTIVITIES

- Treasurer and Technical Head SOPHEP (Society for Promotion of Higher Education, Pakistan)
- Publicity head NETRONiX (Society for E-Gaming and Network admin)
- Executive member GCC (GIKI Cricket Council)
- Member Mondialogo Engineering Community- Germany.

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Entrepreneur certificate- Shell Tameer programme.
- Diploma (3 months) - ProE WF II

MUHAMMAD AHSAN MALIK

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E-MAIL: M.AHSAN85@YAHOO.COM PHONE: 92-300-976-7570 DATE/BIRTH:3/9/1985

■ OBJECTIVE

To work in an organization that encourages my professional growth by providing me with the opportunities to develop my technical and managerial skills.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.9/4.00
2002-2004	■ Beaconhouse School System, Lahore,Punjab,Pakistan	3A's
1999-2002	■ Beaconhouse School System,Multan,Punjab,Pakistan	6 A's,2 B's

■ FINAL YEAR PROJECT

ARTILLERY FIRE SUPPORT SYSTEM

The project aims to make a system that support communication of the artillery in battlefield by building a standalone Microcontroller biased Hand Held Device on one end and a software application on the other to process received data.This project is part of our collaboration with the Army.

■ PROJECTS

- Controls system:Designing controller for 3 phase squirrel cage induction motor in Simulink
- Communication: Implementation of radio receiver
- Signals & Systems Using Matlab for implementation of signal up sampling and down sampling
- Electric Machine Creating simulation for sinusoidal distribution of magnetic field
- Computer Architecture:Implementation of SAP

■ WORK EXPERIENCE

Syed Bhais (PVT) Limited

Worked at 'R&D' department of Syed Bhais . Made a Remote Monitoring Temperature sensor using Microcontroller (AT 89C51), interfacing it with Temperature sensor (TMP 175) and GSM module (GM 862).

SIEMENS PAKISTAN ENGINEERING CO.LTD

Interned at 'Special Services' department. I was a part of the team that was responsible for the design and implementation of solar-powered ECR (Emergency Call Radio) for National Highway Authority to be installed on Motorway Faisalabad.

■ TECHNICAL SKILLS

- C++, Pro E, Lab View , Protel , Matlab and Pspice
- PLC programming using Ladder Logic design.
- Microprocessor programming in keil

■ HONORS, AWARDS AND ACHIEVEMENTS

- Winner of Intra GIKI Indoor Football Tournament 06
- Gold medal for academic performance in A levels
- Scholarship and Roll of Honor for academic performance in O levels

■ EXTRA CURRICULAR ACTIVITIES

- Organizer of 1st GIMUN(GIK Model United Nation)
- Organizer Education Expo '06
- Member of organizing team for GIKI and U 2005
- Member batch football team.

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Internee at NATIONAL TELECON CORPORATION Worked in Maintenance and Operation Department.
- Volunteered as a teacher for helping under-privileged children at SOS village.
- Member SOPHEP, GIKI Chapter

MOHAMMAD ALI HUMAYUN

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■ OBJECTIVE

I intend to employ my technical knowledge, and abilities for the growth of my personal career and organization.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.31/4.00
2002-2004	Abbottabad Public School & college., Abbottabad.	805/1100
2000-2002	Abbottabad Public School & college.,Abbottabad.	690/850

■ FINAL YEAR PROJECT

Design and construction of furuta pendulum and its control system.

Furuta pendulum is an inverted pendulum stabilized at inverted vertical position controlling the rotation of horizontal arm attached to it. It is used for research purposes in control systems and in aerodynamics e.g directing rockets.

■ PROJECTS

- Fixed frequency AM receiver.
- Fixed frequency AM receiver.
- CNC drill machine using microcontroller.
- Cooling box using sand properties and vaporization
- Monopoly, using c++

■ WORK EXPERIENCE

Pakistan Television

I completed my two months internship in engineering department of ptv in summer 2007. I spent some time in studio transmitter link, control room for equipment, maintenance workshop and studio control rooms.

■ TECHNICAL SKILLS

- Technical Report Writing.
- C++
- Mat lab

■ EXTRA CURRICULAR ACTIVITIES

- cricket
- literature
- cycling

MUHAMMAD ALI MALIK

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■ OBJECTIVE

To expose myself to a challenging technical environment which can help hone my skills and compliment my abilities.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.49/4.00
2002-2004	PAF Degree College, Risalpur Cantt, NWFP	811
2000-2002	The City School,Nowshera, NWFP	4 A's, 4 B's

■ FINAL YEAR PROJECT

ARFISS

To design a fault-tolerant Artillery Fire Support System (ARFISS) which uses a microcontoller-based hardware device to input data and a database software which stores the information transmitted on air medium.

■ PROJECTS

- Designed and Implemented SAP (Simple As Possible) computer on breadboard
- Simulation in LAB VIEW of Sinosidally Distributed Windings
- FM radio design and implementation

■ WORK EXPERIENCE

Ufone (PTML)

Internship of 6 weeks at the RF Planning Dept, Islamabad. Major tasks included drive testing using Ericsson TEMS software in order to optimize network parameters. Analysis of the drive test log data and site information using MapInfo Professional.

■ TECHNICAL SKILLS

- Ericsson TEMS software (used for cellular network drive testing)
- Matlab
- MapInfo Professional (GIS software used to display multi-source data on maps)

■ HONORS , AWARDS AND ACHIEVEMENTS

- Liaison Head for GIKI Science Society
- Vice President of GIKI Environment & Awareness Society
- General Secretary of IEEE GIKI Student Chapter

■ EXTRA CURRICULAR ACTIVITIES

- Organizer of blood camp in GIKI for earthquake victims
- Incharge of exhibition for Science Fair 2005-07
- On the editorial board of "Aurora" - GIKI's official Science magazine
- Participated in Transparency International conference on Corruption in Sep 07 (Karachi)
- Participated in IEEE Pakistan Student Congress in July 07 (Karachi)

MUHAMMAD BILAL AHMAD

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■ OBJECTIVE

To work in an organization where I can use my experience, managerial and technical skills in challenging tasks creating positive results

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.43/4.00
2002-2004	F. G. Sir Syed College, Rawalpindi, Pakistan	818/1100(A Grd)
2000-2002	Siddeeq Public School, Rawalpindi, Pakistan	712/850(A+ Grd)

■ FINAL YEAR PROJECT

Artificial neural-net design for correcting an impaired sound using least mean square approximation

The objective of this project is to correct an impaired sound of a child suffering from Dysphasia with ANN using least mean square approximation. The aim is to train a general system on DSP board which converts an impaired sound into clear and comprehensible sound.

■ PROJECTS

- „«Designed and implemented an AM Transmitter and Receiver
- Speed and position control of a DC motor using PID controller.
- Intelligent Intruder Alarming System using AT89C51 microcontroller & Keil.
- Image enhancement using histogram equalization
- Technical Report on «Economic Development of Pakistan»

■ WORK EXPERIENCE

Telenor Pakistan (Summer 07) 10 weeks.

I Worked in Network Operations Centre. It helped me in learning about GSM Architecture, Interfaces, FDMA, TDMA and Channel Allocations. Network monitoring was one of the tasks assigned to me.

Alcatel-Lucent (Summer 06) 4 weeks.

I was placed in Final Testing Lab. Tasks assigned were to assemble and test PTCL Exchanges and its various components like Cabinets, Cards and Amplifiers.

■ TECHNICAL SKILLS

- C/C++, Visual C, PL-2(Ladder/Grafcet) Languages
- MATLAB Simulink and System Identification tool box.
- Pspice, Electronic Work Bench, LabView, Adobe Photoshop

■ HONORS , AWARDS AND ACHIEVEMENTS

- Stood Second in school in SSC Examination.

■ EXTRA CURRICULAR ACTIVITIES

- Member Giki Cricket team.
- Swimming, squash, guitaring, hiking, traveling

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- 6 Weeks internship at UFONE in OMC-R (Summer 06)
- 4 Weeks Internship at Carrier Telephone Industry's R&D Department. (Summer 05)

MUHAMMAD MUSTAFA MAQSOOD KHAN

HOME ADDRESS: 148 SARFRAZ RAFIQUE ROAD, LAHORE CANTT-54810, PUNJAB, PAKISTAN

E-MAIL: MMMKHAN@GMAIL.COM PHONE: 92-300-4608785 DATE/BIRTH: 25.07.1987

■ OBJECTIVE

To work in a dynamic environment that would challenge my determination and adaptability to fuse theoretical and practical knowledge, simultaneously honing my inter-personal skills in a global perspective.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) /4.00
2002-2004	Indian School Salalah, Salalah, Governate of Dhofar, Oman	4 As, 4 Bs
2000-2002	Indian School Salalah, Salalah, Governate of Dhofar, Oman	85.20%

■ FINAL YEAR PROJECT

Tuning of Outdoor RF Propagation Models.

A Telenor Pakistan Ltd. sponsored project, to study outdoor RF Propagation model employed in both urban and rural Macro cell Planning. Analyze and contrast the predicted and experimental values of the model and; hence Re-tune the model so as to achieve minimum variance.

■ PROJECTS

- Intelligent Intruder Alarming System using AT89C51 microcontroller and Keil .
- Designed a menu-driven user friendly 16 option Engineering Economy Enumerator in C++.
- Implemented Simple as Possible (SAP) Computer.
- Designing and implementing of FM receiver.
- Detailed study of Network topology, a feasibility study of implementing WAN in GIKI

■ WORK EXPERIENCE

Pakistan Tobacco Company Ltd.

Worked in the logistics division of the Supply Chain Department and completed a project based on PI& T to facilitate seed to smoke traceability utilizing both barcodes and Radio frequency ID tags. The solution required backward compatibility, ease of implementation and minimum training or floor plan changes.

Telenor Pakistan Ltd.

Performed Technical Site Surveys and Drive Tests with the RF Planning and Optimization department. Hands on Experience of MAP INFO and ASSETT for Planning Cell sites. Weekly Activity Reports and database management.

■ TECHNICAL SKILLS

- C++, Visual C++, MapInfo Professional and Ericsson TEMS.
- Engineering Software: MATLAB, Verilog HDL, Circuit Maker, PSpice, Boolean & Ladder
- Application Packages: PTC Pro Desktop, MS Visio and MS Office.

■ HONORS, AWARDS AND ACHIEVEMENTS

- Called upon the President of Pakistan and awarded cash prize for accomplishment in debates
- Winner Rhetoric 2006, first ever Indo-Pak Debates, held at Sri Venkateshwara College, Delhi
- Winner of the inaugural Lahore School of Economics (LSE) Debates 2007.

■ EXTRA CURRICULAR ACTIVITIES

- Captain of GIKI Debating team.
- Vice- President of Institute of Engineering and Technology (IET), GIKI chapter
- Editor-in-Chief of the Horizon, the official GIKI bilingual publication
- Publicity head of LDS International Debates 07 and Liaison/Media team associate for GEO TV
- Director of World Trade Organization (WTO) at the inaugural GIKI Model United Nation.

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Internship at ICI, Sheikupura to understand PLCs and the process automation for Balers.
- Represented Pakistan on 'Pachas Minute', Geo TV, to discuss Indo-Pak relations.
- Member of NETRONiX, student body responsible for maintaining and upgrading the GIKI LAN.
- Content manager and photographer for the Webteam, student body which runs the GIKI website
- Member of Batch Basketball, Volleyball and Football teams.

MUHAMMAD NAEEM

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CANTT-54000,PUNJAB, PAKISTAN

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■ OBJECTIVE

To pursue a career in a growing and dynamic firm, putting my theoretical knowledge into practical form, thus rendering all possible services in my capacity to the firm and to effectively contribute to the optimal growth of the company.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.7/4.00
2002-2004	Garrison Science Degree College for Boys, Lahore Cantt ,Punjab, Pakistan	918/1100
2000-2002	F.G.Abid Majeed High School R.A Bazar, Lahore, Punjab, Pakistan	709/850

■ FINAL YEAR PROJECT

Web-based Distributed Process Control System

The project demonstrates the temperature,pressure,flow and level control of a certain process assembly using distributed controllers,local human machine interface (HMI)and web-based interface used for monitoring purposes.

■ PROJECTS

- Instrumentation: Making a data acquisition card using a microcontroller 8c55a
- Control Systems: Elementary Control of Reluctance Motor using PID Controller.
- Communication Theory: Construction of an FM Receiver
- Electronics ii: Detailed Study of different Sensors (Pressure, Temperature, Fire, Smoke)
- Signals& Systems: A technical report on various signal transforms (Wavelet, Fourier etc.)

WORK EXPERIENCE

Ericsson Pakistan

Worked as Field Engineer Intern for two months and visited Warid Telecom Sites and performed various tests (Drive tests, Snag Clearance, Rx Diversity Loss etc.)

Mobilink GSM Pakistan

Worked in a challenging environment of Mobilink Operations. Performed Microwave audit at Mobilink sites and administered the Alarm Terminal for various alarms.

■ TECHNICAL SKILLS

- Programming knowledge of C/C++,
- Coral Draw (12), Electronic Workbench, PSpice, LabView and Matlab.
- Sound knowledge of Microsoft Word, Excell, Power point.

■ HONORS , AWARDS AND ACHIEVEMENTS

- Represented Lahore Division in All Pakistan Essay Writing Competition in December 2001.
- I was awarded Scholarships from Federal Board on best performance in Primary and middle.
- Head of Nets & Pitches Council of GCC.

■ EXTRA CURRICULAR ACTIVITIES

- Organizer of Plantation Drive in GIKI by PTC.
- Captain of GIKI Batch 14 Cricket Team.
- Debating (Parliamentary Style).
- Reading books, web browsing.
- Cricket, Football, Badminton, Swimming and Cards.

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Internship in Mobiserve Telecom (O&M department) in summer 2005.
- President of GIKI Environmental and Awareness Society (GEAS).
- Coordinator of GIKI Cricket Club (GCC).
- Organized Blood Camps in GIKI for Thelesemia, Red Crescent and Fatmied Foundation.
- Member of GIKI batch 14's parliamentary debating Urdu team.

MUHAMMAD NAYAB AHMED

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■ OBJECTIVE

Highly motivated to employ my technical and managerial skills in a challenging environment to make advancements, by proving to the company my abilities of initiative, determination, commitment and endurance

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.3/4.00
2002-2004	Division Public School & College Sahiwal, Pakistan, Sahiwal, Pakistan	929/1100 (85%)
2000-2002	Division Public School & College Sahiwal, Pakistan,Sahiwal, Pakistan	718/850 (85%)

■ FINAL YEAR PROJECT

Laser Intruder Detection System

It will scan a specified territory and on detection of intruder can perform user defined tasks like generating alarms. It will track detected intruders to specify its exact location

■ PROJECTS

- Designed and Implemented PID Controller for DC motor speed and position control
- Designed GUI for analyzing DSP of audio signal in Matlab.
- Designed a simulation for Switch Reluctance Motor in Labview.
- Designed and implemented SAP (Simple as Possible)
- Research report on urbanization in Pakistan and global perspective

■ WORK EXPERIENCE

Magyar Olaj es Gazipari (MOL) PLC, Budapest, Hungary, Internship, Summer 2007, (6 Weeks)

Dept: Down Stream Technology & Project Development at Danube Refinery, Szazhalombatta. Project management strategies at technical project department. Analysis of Refinery Process Automation System Architectures installed by different vendors. Introduction DCS, ESD, CCR, SCR, RIS, FIMS, APC and other systems

JGC-DESCON LIMITED Lahore, Internship, Summer 2007, Duration: (8 Weeks)

Dept: Instrumentation and Controls. Critical evaluation of communication protocols in Process automation FIELDBUS-A project plan presentation for implementation in process automation

■ TECHNICAL SKILLS

- C++, VISUAL C++, Matlab
- FX Mitsubishi LADDER LOGIC DEVELOPER, GT Designer
- Labview, PRO-Engineer, Pspice

■ HONORS , AWARDS AND ACHIEVEMENTS

- Finalist in "freeshhh2007" Web based International competition, MOL, Budapest, Hungary.
- On Deans Honor's Roll (5th semester)
- 2nd position in college and district in HSSC examination 2004

■ EXTRA CURRICULAR ACTIVITIES

- Executive member of Naqsh Art Society,
- Executive member of IET GIKI Chapter
- Founder of GIKI Boxing Club.
- College & School Head boy (2003-2004)
- Winner of Boxing Championship 2003 Sahiwal District.

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Organized APEC, 2007 IET All Pakistan Competition as publicity head
- Organized Naqsh Art Gala 2006 (All Pakistan Competition)
- Participated in GIKI Open Parliamentary Debate Competition 2006.
- Participated in the Best drama of the year in Intra GIKI Drama Competition 2005 & 2007

MUHAMMAD SALMAN

HOME ADDRESS: P-26 PUNAJB TOWN MALIR HALT, KARACHI-75210, SIND, PAKISTAN

E-MAIL: ENGRMSALMAN@GMAIL.COM PHONE: 92-333-2372473 DATE/BIRTH: 31-08-1987

■ OBJECTIVE

To pursue an enchanting career demanding innovation and application of my intellectual, organizational and technical skills.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.14/4.00
2002-2004	Government Degree Science College Malir Cantt., Karachi	954/1100 (87%)
2000-2002	Nasra School Malir Branch, Karachi	755/850 88.82%

■ FINAL YEAR PROJECT

Laser Intruder Detection System

It will scan a specified territory and on detection of intruder can perform user defined tasks like generating alarms. It will track detected intruders to specify its exact location

■ PROJECTS

- Communication Theory: Construction of Baird Televisor
- Control Systems: Controlling Induction Machine via PID Controller
- Thermodynamics: Working and Analysis of unity-piston cylinder .
- Industrial Management: 3-d video and playback: finance, production and marketing
- Engineering Economy: Establishment of Industrial Unit for Na & Cl Extraction.

■ WORK EXPERIENCE

Hungarian Oil and Gas Plc (MOL Group)

Professional Trainee

Department: Investment and Project Implementation. Worked as Professional Trainee at MOL Danube Refinery. Core Project included study of Emergency Shut down System of Gas Fractionating Unit, as well as CLAUS-6 Hydro Desulphurization Unit.

Pakistan Mobile Communications Ltd. (MOBILINK)

Professional Trainee

Creating and establishing links, NUC creation and destroying, establishing a test BSC, daily stats collection of SSP & RCP, cell ID creation on BTS, BSC database addition & alarm monitoring.

■ TECHNICAL SKILLS

- Ladder & Grafset Programming in PLC's.
- C++, GWBASIC, MS Office, PRO-E Wild Fire, PSpice, Electronic Workbench, LABVIEW and MATLAB
- Creating and establishing links, NUC creation and destroying, establishing a test BSC.

■ HONORS , AWARDS AND ACHIEVEMENTS

- Finalist MOL Group's International Web-based "Freshhh 2007" Competition.
- Gold Medal from college in H.S.C. Examinations
- Won Intra-NASRA Debating Competition and represented in Inter Nasra School Debate Competit

■ EXTRA CURRICULAR ACTIVITIES

- Swimming, dramatics, literature, volunteering and article writing
- Volunteered for SOFTCOM'04 and All Pakistan SCIENCE Fair'05
- Participated in Intra GIKI DRAMATIC COMPETITION'06, organized by CDES.

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Treasurer IEEE GIKI Chapter and Executive Member of AIAA & ASM-TMS GIKI Chapters
- Head Publicity Team IEEE and Event Coordinator of LABVIEW Workshops. Organizer INMIC'06.
- Done Management Courses offered by SHELL and UNILEVER Pakistan Ltd.

WAQAS CHAUDHARY

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■ OBJECTIVE

A career in a dynamic and challenging environment where I can practically apply and improve upon the skills acquired from my education.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.33/4.00
2002-2004	Islamabad College For Boys G-6/3, Islamabad Pakistan	938 / 1100
2000-2002	Federal Government Boys Model School G-6/4, Islamabad Pakistan	764 / 850

■ FINAL YEAR PROJECT

Web based distributed Process Control System

A web-based distributed process control system is implemented using a demo-process for demonstration of important industry parameters like temperature, pressure, and flow and level. Controllers and Human machine interface (HMI) is implemented on Lab-view and a web-applet is designed for remote monitoring and changing of process parameters.

■ PROJECTS

- Developed a Database for students of GIK institute in C++.
- Simulated a D.C motor control using Fuzzy PID controller in Matlab Simulink
- Implemented Audio Communication through Infrared Link
- Simulated the transmitter and receiver based on Walsh codes in Mat lab
- Made a line tracking robot using LDRs

■ WORK EXPERIENCE

Zhong Xing Telecom Pakistan (ZTE)

Here I learned about the chip manufacturing processes, fixed wireless terminal (FWT) working and the CDMA technology used in it.

Alcatel-lucent Pakistan

Here I was in Pre-sales department and was involved in the completion of on-going pre-sales projects.

■ TECHNICAL SKILLS

- Design and Implementation of Networks using Cisco devices
- C/ C++ , Matlab, PSpice,
- Controllers and HMI design in Lab View Professional

■ HONORS , AWARDS AND ACHIEVEMENTS

- Dean's honor roll in 6th semester
- Scholarships in the primary, middle and Matriculation Exams
- Award from teacher's association for first position in Matric exam at School level

■ EXTRA CURRICULAR ACTIVITIES

- E-Gaming e.g Warcraft3, Counter Strike
- Watching Movies, TV Series and Anime
- Badminton
- Newspapers and magazines reading
- Cricket

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Two times participated in the intra GIKI Parliamentary style debates.

NAJEEB HAQ

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■ OBJECTIVE

An enthusiastic, flexible, innovative and self-disciplined individual seeking an opportunity to play a challenging & creative role with a commitment to company excellence.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.06/4.00
2002-2004	St. Michael's Convent School, Karachi, Pakistan	4 As, 1 B
2000-2002	St. Michael's Convent School, Karachi, Pakistan	straight 7 As

■ FINAL YEAR PROJECT

VCSEL based listening device

The goal of this project is to be able to detect vibrations on a reflective object at one location using a VCSEL Diode, and then reconstruct those waves at a remote location using secure Radio Frequency (RF) transmission. This device can be used to capture sound or detect faults in machinery

■ PROJECTS

- Design of PID controllers using Neural networks
- Data transfer using orthogonal codes using Matlab
- Simulation of a 8/6 Switched Reluctance motor in LabVIEW
- Simple as Possible Computer (SAP-I Computer) Implementation
- Study on depletion rates for man made reservoirs

■ WORK EXPERIENCE

Ericsson Pakistan

Since I interned at a time when Ericsson was designing China Mobile Pakistan's southern network, I got the rare chance to experience network and cell planning and tower placement. Activities included technical site surveys, site surveys, assigning tower heights and tilt to antennas and drive tests

Siemens Pakistan

The work during the internship was on automation and drives and PLCs. Major part of the internship centered on observing the process of automating factories and contribute where I could. Apart from that, I got a chance to study the manufacturing processes of electric machines.

■ TECHNICAL SKILLS

- Programming in MATLAB, LABVIEW and GRAFCET Ladder programmer
- TEMS Investigator
- Good Presentation Skills

■ HONORS , AWARDS AND ACHIEVEMENTS

- Selected for ICTP's Conference on "Entrepreneurship for Engineers and Physicists" in Italy
- Certificate for Academic excellence in High School from the University of Waterloo
- Received Certificate of high achievement for A-Level.

■ EXTRA CURRICULAR ACTIVITIES

- Member of the chess club
- Producer/ cameraman for the music video "Yarian".
- Tennis
- Swimming
- E-gaming

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Executive member of the Networking club, "Netronix".
- National Software Consortium (Assistant team leader) - Jan, 2006-Jan,2007
- Part of the team that manages Uber GameX, the All Pakistan e-gaming competition
- Part of the team that organized the all Pakistan software competition Softcom in 2004

OMAR NADEEM

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■ OBJECTIVE

An enthusiastic and dynamic individual wishing to pursue an object oriented career, which will put my technical and managerial abilities into play.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.6/4.00
2002-2004	Edwardes College, Peshawar	AAA
2000-2002	Edwardes College School,Peshawar	AA BBBB C

■ FINAL YEAR PROJECT

FFT Based Tracking

A general plant shall track an arbitrary input, by evaluation of its approximate inverse.

■ PROJECTS

- "Wireless Data Transmission" - Receiving data transmitted by an infrared port.
- Realizing, in MATLAB®, an active RC filter from its parameters.
- Simulation, in LabVIEW™, of the magnetic flux distribution inside an AC motor.
- "Simple as Possible Computer" - Hardware implementation on a DIP board of 8-bit SAP-1.
- Design of indirect vector controlled Induction Motor using PID.

■ WORK EXPERIENCE

Ericsson Pakistan (Pvt) Ltd

Worked with Ericsson Pakistan (Pvt) Ltd, at RF optimisation department, Islamabad, as an intern for a period of 8 weeks. Conducted a series of drive tests and site audits, developing a comprehensive knowledge of the GSM architecture.

■ TECHNICAL SKILLS

- Proficient in C/C++, XHTML, and Java.
- Expertise at Web Development with XHTML, Java, and CGI only.
- Proficient in MATLAB/Simulink, PSPICE, and LabVIEW.

■ HONORS , AWARDS AND ACHIEVEMENTS

- "High Achiever Award in A-level Mathematics" (from University of Cambridge, UK)
- On the Dean's Honour Roll for high GPAs in five semesters.
- College Gold-Medallist.

■ EXTRA CURRICULAR ACTIVITIES

- Participated in "5th ALL PAK Science Contest, GIKI."
- Designed the software for "IEEE Brainwave 2006, GIKI."
- Webmaster and designer of sor.100webspaces.net
- Swimming, Lawn Tennis, Chess, and E-gaming.
- Participated in "Nature Study Camp" (WWF Pakistan)

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Attended YLC 2002.
- Attended Seminars of Microcontrollers & Robotics.
- Attended workshops relating to ProE Wildfire and GSM Warid Telecom planning Network.

RABIA JALAL

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■ OBJECTIVE

To work in an organization that provides a competitive environment so as to improve my technical and managerial skills and hence, contribute something,however lil to the betterment of the organization

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.02/4.00
2002-2004	P.A.F Degree College, Peshawar. NWFP. Pakistan	929/1100. A+
2000-2002	P.A.F Degree College,Peshawar. NWFP. Pakistan	739/850. A+

■ FINAL YEAR PROJECT

Correction of Impaired Speech Signals using Artificial Neural Network

Our project aims at correcting the speech signals of a child suffering from speech disorder: dysphasia, using the speech of his father. A trained Artificial Neural Network is designed to produce clear and comprehensible speech while processing in real time.

■ PROJECTS

- Communication Theory: Circuit design of Amplitude Modulator and Demodulator.
- Control Systems: Design of indirect vector controlled Induction Motor using PID.
- Microprocessor Interfacing: A basic functionality calculator along with LCD interfacing.
- Computer Architecture: Building a SAP (Simple As Possible) Computer.
- Engg Economy: Feasibility report on the "Construction of faculty of Petroleum Engg at GIKI

■ WORK EXPERIENCE

Telenor Pakistan (Jun-Aug 07)

10 Weeks Internship in Core Networks and Value added Services Implementation department. Worked on several projects: Acceptance testing of Voice Info Service,VRBT, IN & MSC, Comissioning of USSDs, QOS of link sets. Wrote a thesis report on Network Architecture of Telenor Pakistan.

■ TECHNICAL SKILLS

- Computer Languages: GW BASIC, Turbo C++, Visual C, Assembly
- Technical Softwares: Keil, MATLAB, PsPice,Math Cad, Lab View, Pinnacle,PLC
- Application Packages: MS Office

■ HONORS , AWARDS AND ACHIEVEMENTS

- Secured 2nd position in Matriculation and F.Sc Examination in School/College
- Selected as "Chief of Air Staff Honor Student" in 1998.2000 & 2002.
- Shaheen Foundation Merit Scholarship holder in School from Class 2 till now

■ EXTRA CURRICULAR ACTIVITIES

- President of Horizon, The GIKI publication Society
- Vice President of IEEE, GIKI Student Branch
- Executive Member of Literary and Debating Society (GIKI)
- Organizing member of 4th,5th and 6th GIKI International Parliamentary Debates held by LDS.
- Member of GIKI English Parliamentary Debating Team

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Represented GIKI in "Microsoft Innovation Day" held at Serena-Islamabad (Jan 2007)
- Represented GIKI in "3rd Youth in Governance Workshop 07" organized by Transparency Intl.
- Organizing member of INMIC 2006 held by IEEE at Islamabad in December 2006.
- Captain of debating team that represented GIKI at Rhetoric 2007 held at New Delhi,India
- Winner and Runner-up at GIKI Open Parliamentary Debates 07 and Inter-batch Debates 06.

REHAN LATIF

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OBJECTIVE

To work in a professionally stimulating and challenging environment, where I can exercise my interpersonal and communication skills and concurrently groom my personality by working in a team of competent individuals.

EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.15/4.00
2002-2004	University College Lahore, Lahore, Pakistan	2A's 1B
1999-2002	Beaconhouse School System, Johar Town, Lahore, Pakistan	4A's 3B's 1C

FINAL YEAR PROJECT

Enhanced Sonic Beam

Project is concerned with the generation of Directed sound waves using Ultrasonic transducer Array.

PROJECTS

- Introductory Programming - Organizer Programmed Software for Personal Info. in C++
- Engineering Economy - Feasibility Report on canal irrigation system.
- Microprocessor Interfacing - Digital Alarm clock implementation(microcontroller 8051& LCD)
- Computer Architecture - SAP (simple as possible) 8 bit computer.
- Engineering Economy - Eco-calculator in VB, calculated compound interest and other Factors

WORK EXPERIENCE

Seimens, Pakistan

8 weeks internship that mainly involved working for the Transformers department - Business Unit in Karachi. an Exhilarating experience that led to a series of learning activities concerned with the Engineering Design of the transformers to its manufacturing, sales and Management.

TECHNICAL SKILLS

- Machine Shop Training at Pakistan Industrial and Technical Assistance Centre, Lahore
- Design and CAD operational training

EXTRA CURRICULAR ACTIVITIES

- Executive member of Cultural Dramatics and Entertainment Society
- Executive member of GIKI Environmental Awareness Society
- Participation in Drama competition in Intra GIK Drama Competition '04, '05 '06, '07
- Participation in 2007 Youth Festival Lahore
- Organizing committee member Two All Pakistan Drama Festivals '05, '06, '07

REHAN TALAT

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■ OBJECTIVE

To enhance my technical and managerial skills by working in a competitive and dynamic environment.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.7/4.00
2002-2004	Lahore Grammar School for Boys, Lahore, Punjab, Pakistan	4 As
1999-2002	Beaconhouse School System, Lahore, Punjab, Pakistan	8 As

■ FINAL YEAR PROJECT

Flight and Landing Control of an Unmanned Aerial Vehicle

The project is aimed at designing a control system that would let the flying model proceed with autonomous landing maintaining flight stability. The task is highly sensitive to environmental changes and thus requires a thorough analysis of aerodynamics, flight control and instantaneous feedback.

■ PROJECTS

- Speed Control of DC motor using PID Controller (Control Systems)
- Implementation of single frequency AM receiver (Communication Systems)
- Implementation of Snake game (modified) via ATMEL 89c51 (Microprocessor Interfacing)
- 4-Phase 8/6 Switch Reluctance Motor Modeling via LAB VIEW (Electric Machines)
- Implementation of Simple-As-Possible Computer (Computer Architecture)

■ WORK EXPERIENCE

Ericsson Pakistan Pvt Ltd.

Understanding of the GSM Network. Understanding of the transmission equipment/software set up by Ericsson for Warid. Monitoring the Warid NOC and taking action on critical alarms.

EPC-BA, Descon Engineering Ltd

Various steps involved in acquiring projects. Procuring materials in bulk and ensuring vendor fulfills customer's needs. Experience on softwares such as Auto-Cad and Primavera.

■ TECHNICAL SKILLS

- Microsoft Office Word, Excel, Visio, Project, Powerpoint
- MATLAB, Labview, PSpice, Workbench, Pinnacle, Kiel, familiarity with C/C++ programming
- Adobe Photoshop, Corel Draw

■ HONORS, AWARDS AND ACHIEVEMENTS

- Dean's Honour Roll (6 times) in GIKI
- Highest percentile in Maths, Further Maths and Physics in A levels
- Gold Medal in O levels

■ EXTRA CURRICULAR ACTIVITIES

- member IET GIKI Chapter
- organizing various events and trips e.g. Welcome and Farewell '06 and APEEC '07
- Participated in dramatics and movie competition
- Sports (cricket, football)
- Photography and travelling

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- 3rd Internship: DSL Technical Dept, Dancom Online Services Ltd

SAAD JAMIL

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■ OBJECTIVE

I seek a challenging career in an industry where I can apply my knowledge and enhance my technical and management skills to produce innovative and state of art solutions for any problem I am given.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.8/4.00
2002-2004	Bahria College, Naval Complex E- 8 Islamabad	Grade A
2000-2002	Islamabad Model College For Boys G-10/4, Islamabad Pakistan	Grade A+

■ FINAL YEAR PROJECT

VCSEL(Vertical Cavity Surface Emitting Laser) based Listening Device

Design and implementation of an accurate and compact semiconductor listening device. Couple the listening device with secure RF Transmitter and to receive transmitted RF signal at an offsite location and reconstruct audio signal originally detected by listening device.

■ PROJECTS

- Graphical User Interface to calculate Fourier series of any type in Signals and systems.
- Mathematical Model of Magnetic Levitation Train in Digital Control Systems using Matlab.
- Virtual Instrument showing Air Gap flux plot due to 3-phase excitation using LAB View in
- Design and implementation of an AM receiver in Communication Theory.
- A comprehensive report on poverty amongst women and its effects on society in Sociology

■ WORK EXPERIENCE

UFONE PTML

Worked in the Radio and Transmission(R & T) department of BSS field Operations. Basic task was routine BTS sites visit operated by BSS (North) department and troubleshooting different errors. Studied Basic GSM Architecture using SY1 course compiled by NORTEL. Successfully completed warehouse database project.

SIEMENS Pakistan Engineering Co. LTD

Worked in the Communication Carrier Services department (COM-CS). Completed Computer Based Training (CBT) related to GSM and Digital Telephony. Successfully completed the project on SAMSON data base software to update the record of the inventory being used in MSC'S by different operators

■ TECHNICAL SKILLS

- Tools: Matlab, Labview, Pspice, Electronics Workbench, Pro Engineer Wildfire,
- Languages: C++, MOTOROLA 68000 Assembly Language, PLC programming
- Softwares/Platforms : MS Office, MS Project DOS, Windows 98/2000/XP/Vista

■ HONORS , AWARDS AND ACHIEVEMENTS

- Awarded for participating in Flag Hoisting Ceremony held at President House on 14th Aug 1999
- Participated in the short course on UMTS (Universal Mobile Telecom System) by Qualcomm
- Participated in 8th All Pakistan National Physics Talent Contest (NPTC) organized by PIEAS

■ EXTRA CURRICULAR ACTIVITIES

- Member of Organizing team of Annual Function in College.
- Member of Student's council In College (Prefect Jinnah House)
- Member of farewell team of batch 12
- Sports: Cricket and Swimming .
- Interests: Music and e-gaming

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Executive member of ASM-TMS (GIKI Student Chapter)
- Member of Organizing Team of Open House Career Fair GIKI 2006

SAAD ULLAH AKRAM

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■ OBJECTIVE

To work in a challenging and competitive environment where I can practically apply and improve the skills acquired from education.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.42/4.00
2002-2004	Crescent Model Higher Secondary School, Lahore	4 A's
2000-2002	Crescent Model Higher Secondary School, Lahore	8 A's

■ FINAL YEAR PROJECT

Laser Intruder Detection System

It will scan a predefined area (Using laser range finders) and will detect the presence of any foreign object in that area , and will sound an alarm and point the camera in the direction of the object. It will also track the object if that object is moving.

■ PROJECTS

- Control Systems – Design of indirect vector controlled Induction Motor using PID
- Electric Machines – Magnetic Field due to 3 Phase voltage (LAB VIEW)
- Microprocessor Interfacing – Data Transmission using InfraRed
- Computer Architecture – Designed and Implemented SAP
- Signals and Systems – Design of Active Filters

■ WORK EXPERIENCE

JGC-Descon Limited

I Worked 8 weeks in "Control and Instrumentation" Department. I was assigned projects "Study of Profi-Bus", "Wireless Communication in Industry", and "Designing Profi-Bus". I researched Profi-Bus and compared it with Foundation FieldBus, which company(JDL) had used in past.

Paktel

Worked four weeks in Switch Room. Learnt basics of Mobile telephony.

■ TECHNICAL SKILLS

- Programming: C/C++, Matlab, Pinnacle, Kiel uVision, PLC Ladder, PHP, HTML
- Softwares: PSPICE, Lab View, Pinnacle, Matlab, Adobe Photoshop
- Microcontrollers (PIC, 80C51,etc)

■ HONORS , AWARDS AND ACHIEVEMENTS

- Was in Dean's Honour List 3 times (B.Sc)
- Scored Highest Marks in World in Chemistry (O'Level)
- Held 1st position in my school in both O'Level and A'Level

■ EXTRA CURRICULAR ACTIVITIES

- Table Tennis
- Bedminton
- TV and Movies

SABIH-UR-REHMAN SHAD

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■ OBJECTIVE

Highly motivated to employ my technical and managerial skills in a challenging environment, where I can progress by proving to the company my abilities of determination, commitment and endurance.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.7/4.00
2002-2004	St. Mary's Academy, Rawalpindi	3 St. A's
2000-2002	Iqra Academy,Abbottabad	5 As

■ FINAL YEAR PROJECT

Laser Intruder Detection System

A laser range finder based sentry to act as an early warning system for point defense of an area and or encampment. Further attached is a camera based tracking of an intruder that crosses the perimeter to be defended.

■ PROJECTS

- Digital Image Processing: JPEG Compression and other compression techniques
- Control Systems/Artificial Intelligence: Fuzzy Logic Controller for Position control Motor
- Signals and Systems Lab: Digital Image Watermarking using Matlab on images with all sizes
- Electric Machines: Simulation of a Switched Reluctance motor in LabVIEW
- Electronics II: Study on future of Nano Electronics and Organic Electronics

■ WORK EXPERIENCE

East West Infiniti, Islamabad, Pakistan

To work on two subsections of a Platoon Early Warning System. First the Vibration sensor and microcontroller interface to detect human motion within a range of the sensor. The second being the System-User Interface by using a graphical LCD.

Magyar Olaj es Gazipari, Budapest, Hungary

To collect requisite information required for the creation of an intranet portal for the Upstream Procurement Functional Unit of the company and prepare a draft portal. Work involved interviews with internal customers of the Functional Unit who would be expected to use the portal.

■ TECHNICAL SKILLS

- Ability to Programme using C++
- Use of Matlab, LabVIEW, Kiel uVision, PLC Ladder, Prolog, CCS C, Pspice and MS Office
- Basic manipulation with Circuits, Integrated Circuits, Op-Amps and Micro Controllers

■ HONORS , AWARDS AND ACHIEVEMENTS

- Dean's Honour Roll (6 out of 7 times)
- Freshhh2007 Finalist (MOL Recruitment Competition)
- Top 10 in National Physics Talent Contest

■ EXTRA CURRICULAR ACTIVITIES

- Relief work involving transportation and distribution of relief supplies in the outskirts
- Leading cast of music video 'Yarian', based on the general life of students at GIKI
- Member: Horizon (Publication Society)(2006 to 2008) responsible primarily for the universi
- Member: Project Topi. (2004 to 2005), a voluntary society for the uplift of education of T
- Founding member: Sci-Knis (Science Society) (2003 to 2004) to promote student activity on

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Training team member of the International Physics Olympiads (2005-2006)
- Participant Imagine Cup 2007 (Algorithm Category) (Organised by Microsoft)

SANNA KHALID CHOUDHARY

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■ OBJECTIVE

To work in a highly professional, stimulating environment of a world class organization, make meaningful contribution to its productivity and growth leading to my professional development as well.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.02/4.00
2002-2004	Overseas Pakistanis Foundation (O.P.F. College), F-8/2, Islamabad, Pakistan	2 As, 2 Bs
2000-2002	Overseas Pakistanis Foundation (O.P.F. College), F-8/2, Islamabad, Pakistan	7 As, 1 B

■ FINAL YEAR PROJECT

Ultrasonic Indoor Positioning System

Implementation of an Indoor Positioning System using Ultrasonics and the triangulation principle.. The system aims to both monitor people/objects and enable them to locate their own coordinates in an indoor environment where normal GPS does not work.

■ PROJECTS

- Recreation of the first ever Television, using rotating discs, lenses and LDRs.
- Design of a PID controller for a DC Motor using Root Locus Approach.
- Simulation of Basic Data Communication in peer to peer networking using microcontrollers.
- Simulation of the operation of a Brushless DC Motor in Labview.
- Implementation of an Equalizer (Audio Frequency Analyzer) using operational amplifiers.

■ WORK EXPERIENCE

Schlumberger Seaco Ltd. (Summer '2007)

Worked in the Reservoir Evaluation Wireline Segment for a period of four weeks. Performed yard work and developed familiarization with Rig-up equipment; Studied and gave presentations on specialized Wireline logging tools.

Pakistan Tobacco Company. (Summer '2007)

Worked in the Supply Chain Department (Procurement of Indirects) for six weeks. Familiarization with BAT's Procurement Landscape; Worked on the Supplier Relationship Management Tool; Performed Vendor Analysis; Developed the Business Enabler Survey Tool (B.E.S.T.) for the Indirects Department.

■ TECHNICAL SKILLS

- C/C++, Assembly Language, PLC programming (Ladder & Grafcet).
- PSPICE, MATLAB, LabView.
- Microsoft Windows.

■ HONORS , AWARDS AND ACHIEVEMENTS

- Gold medal from Edexcel Board for distinction in O-level Mathematics and Urdu (2002)
- Scholarships for undergraduate studies from the Universities of Toronto & Waterloo (2004)
- Fellowship offered by NESCOM for studies up to PhD Level (2004)

■ EXTRA CURRICULAR ACTIVITIES

- Executive member of the Cultural, Dramatics and Entertainment Society (CDES), GIKI.
- Conducted GIKI Convocation '06, All Pakistan Engineering Conference '07.
- Participated in various dramatics and debating events in O.P.F. and GIKI.
- Volunteer organizer for SOFTCOM (All Pakistan Software competition), 2004.
- Sports (table tennis, swimming, horseback riding, Shotokan- Self Defence).

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Internship at Equinox Marketing Pvt. Ltd in the Technical Support Deptt for 6 weeks (2006)
- Internship at Mobilink GSM in the Customer Services Deptt for a period of 6 weeks (2005)
- Volunteer work at Shifa International Hospital in the Patient Services Deptt for 4 weeks
- Member of a team of regular contributors to the fortnightly "Student News" (2002-2004)

SOHAIB ANEES

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■ OBJECTIVE

To peruse a job in a challenging environment where i can put my technical as well as managerial skills to test.
To be a part of an organization that would groom me professionally.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.82/4.00
2002-2004	Crescent Model Higher Secondary School, Lahore, Punjab, Pakistan	3As
2000-2002	Crescent Model Higher Secondary School, Lahore, Punjab, Pakistan	6As, 1B, 1C, 1D

■ FINAL YEAR PROJECT

Visual Human Tracking

The aim of the project is to track humans in a surveillance environment using digital cameras placed at various angles. Besides providing useful security applications, it can also be used as a positioning system thus keeping the tracks of the humans moving at a particular area.

■ PROJECTS

- Communication System – Implementation of an AM receiver
- Microprocessor Interfacing – Digital Weighing Machine
- Signals and Systems – Edge Detection algorithms in MATLAB
- Engineering Economy – Economy Calculator
- Computer Architecture – Implementation of SAP (Simple as possible Computer)

■ WORK EXPERIENCE

Mobilink QoS, LAHORE- Summer 2007

A two month internship in Quality of Service department. Besides learning basic GSM network I performed various site audits and city level drive tests using TEMS

PTCL- Summer 2006

Worked as an internee for six weeks in Main Control Room, MDF (Main Distribution Frame), HCTE (High Capacity Transit Exchange) and PCM Room

■ TECHNICAL SKILLS

- MATLAB,C/C++,MS Office, Lab View, PSPICE
- Adobe Photoshop
- Technical Report writing

■ HONORS , AWARDS AND ACHIEVEMENTS

- Throughout in DEAN honor Roll
- Ranked 3rd (3.82 CGPA) in the batch
- Throughout scholarship holder in school and college

■ EXTRA CURRICULAR ACTIVITIES

- Participated in various Cricket Tournamnets organised by GCC
- Played in several indoor football tournaments
- Former member of school gymnastic club
- Took part in many school fancy/drama shows
- Captain of my college table tennis team

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Participated in Science Kasoty (an event by science society)
- Attended a workshop on WCDMA(UMTS)
- Took part in ACM inQuizition competition

SYED BILAL AZIZ

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E-MAIL: SBILAL.AZIZ@HOTMAIL.COM PHONE: 92 345 3884438 DATE/BIRTH:1/2/1984

■ OBJECTIVE

To gain meaningful experience and enhance my technical and managerial skills by working in a worthy organization.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.29/4.00
2001-2003	Lahore Grammar School, Lahore, Punjab, Pakistan	A,C,C
1999-2001	Habib Public School, Karachi, Sindh, Pakistan	A, A, B, B, B,

■ FINAL YEAR PROJECT

Enhanced Sonic Beam

Directional Sound.

■ PROJECTS

- Canny edge detection using Walsh Code
- Digital Alarm clock implementation with microcontroller 8051 and LCD interfacing.
- SAP (simple as possible) 8 bit computer.
- Made an Eco-calculator in VB, which calculated compound interest with different factors
- AM Radio.

■ WORK EXPERIENCE

June 2006, WorldCall Telecommunications

Internee Intelligent Networking Systems Department.

June 2007, Siemens Pakistan Ltd.

Internee Transformers Dept.

■ TECHNICAL SKILLS

- C/C++.
- MATLAB
- PSpice

■ HONORS , AWARDS AND ACHIEVEMENTS

- Won first prize in NASTECH Quiz Competition (NIIT All Pakistan Software Competition), 20
- Won the Best Script Award for a play performed at the Rafi Peer Theatre
- Won the best Play award twice performed in the GIKI drama competition

■ EXTRA CURRICULAR ACTIVITIES

- Executive member of ACM (Association of Computers and Machines).
- Executive member GEAS (GIKI Environmental and Awareness Society)
- GIKI dramatics.
- Sports(squash, cricket)
- farewell/welcome organizing team.

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Have taught in a school in Lahore for 2 months.
- Have worked with the organizing team of HSY's fashion shows
- Organized a concert in Lahore with JB productions

TEHSEEN ALI

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■ OBJECTIVE

To work with enthusiasm; and to learn, apply and groom my technical, interpersonal and managerial skills

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.12/4.00
2002-2004	F.G Sirsyed College,, The Mall,RWP.	956/1100
2000-2002	F.G High School No.11,Wah Cantt	750/850

■ FINAL YEAR PROJECT

Visual Human Tracking

The aim of the project is to track humans in a surveillance environment using digital cameras places at various angles. Besides providing useful security applications, it can also be used as a positioning system thus keeping the tracks of the humans moving at a particular area. Furthermore the speed and the direction of movement can also be monitored

■ PROJECTS

- Microprocessor Interface: Using Micro Controller implemented data transmission and receipt
- Electric Machines: Designed a simulation for induction Motor in Labview.
- Computer Architecture: Made a SAP (simple as possible) computer
- Signals and Systems: Designed GUI for analyzing DSP of audio signal in Matlabstation
- Technical Report Wring: Case study on Civil hospital Topi

■ WORK EXPERIENCE

: Alcatel-Lucent ,Islamabad Pakistan (6weeks, Jun-July 2007)

Worked at the the repair and return department on final testing of exchanges. In engineering department using auto-cad draw the drawings of BTS. In radio network engineering department participated in TSSR and PSF of Paktel sites.

■ TECHNICAL SKILLS

- Object Oriented programming C/C++.
- Matlab, Pspice, Labview,Autocad
- Microsoft word, Excel, PowerPoint

■ HONORS , AWARDS AND ACHIEVEMENTS

- Distinction holder in HSSC and SSC exam
- Best bowler of GIKI 18th GCC tape ball tournament
- Winner of 2nd GIKI indoor football tournament

■ EXTRA CURRICULAR ACTIVITIES

- Member of GIKI football team
- Member of intra GIKI cricket team
- Participated in debating and drama competitions

UMAIR SAJID HASHMI

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■ OBJECTIVE

To achieve greater heights working for a highly reputed organization, wherein I may utilize my technical and management skills efficiently and avail opportunities for growth and development.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.42/4.00
2002-2004	Bahria College, Islamabad	A-1
2000-2002	Bahria College, Karachi	A-1

■ FINAL YEAR PROJECT

Artificial Neural Network Design for Speech signal modification using LMS Approximation model.

The aim of the project is to facilitate a child facing an acute speech disorder(Dysphasia); enabling him to communicate in a more distinct and understandable manner. The final output is intended to be a portable system taking his ambiguous speech signals as input and reproducing them as clear voice.

■ PROJECTS

- Electromagnetic Simulation of Maxwell's Equations on Matlab using the FDTD Method.
- Design and implementation an AM Transmitter and Receiver at 585 KHz frequency.
- Designing and programming of an indigenous microprocessor controlled line trekking robot.
- Converting a Digital Bit Stream into analog signal & back using Matlab.
- Created a virtual wound rotor induction motor with characteristics in Lab View.

■ WORK EXPERIENCE

TELENOR PAKISTAN

Learning GSM Architecture, Interfaces, Channel Allocations, FDMA TDMA Techniques, Transcoder design & Frequency Hopping Spread Spectrum. Auditing of BTS sites & SDH/PDH Microwave Links, Software simulation of low quality network Areas in Pindi-Islamabad region.

GREAT BEER INTERNATIONAL SERVICES

Familiarization with different components of BSS Operations in Dialog CDMA network. Commissioning and maintenance of microwave transmission network and Base Station Subsystems.

■ TECHNICAL SKILLS

- Electronic Simulation on P Spice, Electronic Work Bench, LabView, Matlab, Simulink.
- Programming in C, C++ & Assembly language in Keil, Atmel for microprocessor interfacing.
- Graphic Tools Flash MX, Swish, Adobe photoshop & Web development tools HTML, Dreamweaver.

■ HONORS , AWARDS AND ACHIEVEMENTS

- Dean's Honour Roll in Fall 2005 & Fall 2006.
- Executive Member of IEEE GIKI Student Chapter awarded "Best Student Chapter in Pakistan".
- Participation in 3rd National Engineering Robotics Competition in June'06 at EME College.

■ EXTRA CURRICULAR ACTIVITIES

- Sports - Cricket, Football, Table tennis & Badminton.
- Reading magazines & Scientific Journals.
- Surfing internet and working on development softwares.
- Reading newspaper & watching news and current affairs on TV.
- Watching movies and listening to music.

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- QUALCOMM WCDMA(UMTS) Qualification Certificate for a 2-day workshop at GIKI in Feb '08.
- 6 week Internship at Micronet Broadband in Jul-Aug '06.
- 4 week Internship at NTC in Jul-Aug '05.
- Organizer of the 10th IEEE Multi Topic Conference at Best Western Islamabad in Dec'06
- Graphic Designing Course in Photoshop, Swish, FlashMX, Dreamweaver at Nikon in Jul-Aug '05.

USMAN ZAFAR

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■ OBJECTIVE

To groom my technical, managerial and interpersonal abilities by working in a professional and challenging environment that realizes my complete potential and be in a position that requires both innovative development and quality assurance management.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3/4.00
2002-2004	Islamabad Model College for Boys, G-10/4, Islamabad, Pakistan	847 /1100 (77%)
2000-2002	Cadet College Kallar Kahar, Kallar Kahar, Distt: Chakwal, Pakistan	682/850 (80.2%)

■ FINAL YEAR PROJECT

VCSEL Based Listening Device

The objective of this project is to design and implement an accurate and compact semiconductor laser listening device. A Vertical Cavity Surface Emitting Laser (VCSEL) is aimed at a reflective surface (a pane of glass) and an interferometer coupled to analog waveform circuitry is used to create an analog voice signal. This signal is then transmitted via the RF communication system to a listening/recording station a short distance away. The RF system consists of a Bluetooth enabled transmitter and receiver connected via a Bluetooth audio link. All of this is to be done in such a way that the system may be made to be as inconspicuous as possible.

■ PROJECTS

- Digital Control Systems: Simulation of State Feedback Control for Magnetic Levitation Sys.
- Control Systems: Design of Control System for 3- Phase Squirrel Cage Induction Motor
- Object Oriented Programming: Database of Hospital Management in C++
- Microprocessor Interfacing: Night Light Saver using 89C2051
- Technical Report Writing: Technical Report "Future of Fiber Optics: Pakistani Perspective"

■ WORK EXPERIENCE

Pakistan Tobacco Company, Akora Khattak factory, Primary Manufacturing Department

1. 6 weeks internship (July 2 – August 11, 2007) at Pakistan Tobacco Company (PTC), Akora Khattak Factory in its Primary Manufacturing Department (PMD). The projects given during the internship were Human Machine Interfaces (HMIs) Recombination, Fault Removal in Lamina Tobacco (KLK) Dryer, and Control System Optimization of Cut Process Stem (CPS) Dryer. All the projects were completed successfully and accepted by the company, and being implemented.

Ufone, MSC, Islamabad, Intelligent Network (IN) Department (June 8-July 21, 2006)

3. 6 weeks internship (June 8-July 21, 2006) at Ufone, Islamabad in the department of Intelligent Network (IN) where the tasks were to provide the services of tariffed deployed in the Ufone network, critical testing of MSC of Ufone, removal of complaints in the prepaid service, checking and managing the operations of GSM system deployed in Ufone network and managing records of its routine conditions.

■ TECHNICAL SKILLS

- Working with LabVIEW, P SPICE, ProE Wildfire, C51 Compiler [Keil], PINNICAL
- Programming in C++, MATLAB
- Working with Microsoft Word, Excel, Power Point, VISIO

■ HONORS , AWARDS AND ACHIEVEMENTS

- Best Basketball Player, 2001, Cadet College Kallar Kahar

■ EXTRA CURRICULAR ACTIVITIES

- Basketball
- Swimming
- Minesweeper

WADOOD JAVED YAHYA

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■ OBJECTIVE

My aim is to work in a growing and dynamic firm, to use my skills and knowledge for the betterment of my organization and to be a part of winning team.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.96/4.00
2002-2004	Progressive Public College, Sargodha, Punjab, Pakistan	954/1100
2000-2002	Progressive Public School, Sargodha, Punjab, Pakistan	753/850

■ FINAL YEAR PROJECT

Visual Human Tracking

In our FYP, We address most common issue in Vision based Surveillance applications that is tracking of Humans in crowded scenes. We use multiple cameras at various angles to tackle occlusion, rendering our system ability to work as local positioning system. Our system is robust and multidimensional

■ PROJECTS

- Microprocessor Interfacing: A prototype of Digital Weighing Machine using graphite sensor
- Data Structures and Algorithms: LUP Decomposition for solving system of linear equations
- Digital Image Processing: Real Time Segmentation and Activity Analysis
- Control Systems: Implementing a lead-lag controller for synchronous motor
- Communication Theory: A design of AM transceiver

■ WORK EXPERIENCE

Intel MSC Sdn Bhd, Malaysia

Projects Completed:

1. Setting up Wireless Sensor Networks for environment monitoring
2. Clustering Xeon Servers to achieve high performance

■ TECHNICAL SKILLS

- Command over VB, Inpage, Flash, MS Office, Pinnacle, ProE, Easy68k and Pspice
- Expertise in Adobe Photoshop, LabView and MS Project
- Proficiency in MATLAB, C++ and OpenCV

■ HONORS, AWARDS AND ACHIEVEMENTS

- Represented Pakistan in International Petroleum Technology Conference (IPTC 2007), Dubai
- 1st Position in GIK Institute and 3rd Highest CGPA in history of GIKI
- Winner of 'Best Batsman' award in 17th GCC Cricket Tournament.

■ EXTRA CURRICULAR ACTIVITIES

- Opening Batsman of GIKI cricket team
- Writing urdu articles for HORIZON magazine
- Working as a mentor; guiding, facilitating and assisting freshmen of FEE
- Participating in Science Kasoty, ACM inquisition and Speed Wiring Competitions

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Organizer of All Pak Model United Nations in GIKI
- Member editorial board in HORIZON, society for literary activities in GIKI
- Publicity head in Society of Promotion of Higher Education in Pakistan (SOPHEP)
- Presented a report on HSE Excellence in IPTC 2007, Dubai UAE
-

WAJID ALI KHAN

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■ OBJECTIVE

To fuse academic knowledge with rigorous practical experience by contributing positively to your professional environment, while continuing to expand my knowledge and hone my abilities.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 2.53/4.00
2002-2004	Beaconhouse School System, Islamabad, Pakistan.	4 A's
1999-2002	Beaconhouse School System, Islamabad, Pakistan.	7A's and 2B's

■ FINAL YEAR PROJECT

Designing and Implementing Quadrotor Rotorcraft

■ PROJECTS

- Controls Systems: Simulation of a phase controlled DC motor through PID using MATLAB.
- Signals and systems: Conversion of Analogue sound to Binary digital bit stream and back
- Electric Machines: Simulation of a wound rotor induction motor using LABVIEW.
- Computer Architecture: Implementation of "Simple as Possible Computer" on board
- Electronics 1: Design of a universal DC-DC converter

■ WORK EXPERIENCE

Nokia Siemens Networks (NSN)

I was working in the Nokia implementation department for Telenor Pakistan during which I was involved with the commissioning and integration of Nokia R4 MSC's.

■ TECHNICAL SKILLS

- C/C++
- LADDER and GRAFCET Programming for PLC's
- PSPICE

■ HONORS , AWARDS AND ACHIEVEMENTS

- Got a gold medal from Beacon House in GCE A levels
- Got a silver medal from Beacon House in GCE O levels.
- Awarded scholarship in Beacon House for outstanding performance during the first year of

■ EXTRA CURRICULAR ACTIVITIES

- Represented Beacon House at the National Youth Seminar
- Member editorial board of HORIZON, official GIKI magazine
- Member of Project Topi, an awareness program initialized to educate students of Governme
- Member of batch cricket and volley ball teams
- Executive member of IEEE GIKI Chapter.

ZEESHAN ILYAS

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■ OBJECTIVE

To pursue a challenging career in a dynamic firm where i can apply my knowledge and enhance my technical skills to produce innovative and state of the art solutions to problems. I am given.

■ EDUCATION

2004-2008	GIK Institute of Engineering Sciences and Technology, Topi, N.W.F.P., Pakistan B.Sc. (Electronics Engineering)	(CGPA) 3.22/4.00
2002-2004	Cadet College Kohat, Kohat, N.W.F.P., Pakistan	877/A
2000-2002	Cadet College Kohat,Kohat, N.W.F.P., Pakistan	725/A+

■ FINAL YEAR PROJECT

Web-based Distributed Process Control System

Development of a Control System for a Demo Industrial Process using PID Controllers and Distributed Control technique. The process can be accessed and controlled through an HMI developed in LabView as well as via an internet website.

■ PROJECTS

- Dynamics and Control of Distillation Columns
- 82C55 based Data Acquisition Card
- AM Radio Frequency Receiver
- Control of Elementary Reluctance Motor Using PID Controller in Simulink(Matlab)
- 4-bit Infra Red Remote Control using 8051 Microcontroller

■ WORK EXPERIENCE

SAAB Training Systems (Pakistan)

Technical and operational study of SAAB's Mobile Combat Training Centre (MCTC) and other defense related electronic systems.

Telephone Industries of Pakistan (TIP)

Worked in PCB Assembly, Digital Exchange(A.M.EWSD) Assembly and Quality Assurance Department.

■ TECHNICAL SKILLS

- Well versed with all kinds of routine software packages and operating systems
- Design Applications : Matlab, LabView, PRO E, Electronic Workbench, P-SPICE
- Microcontroller /PLC /Languages :Keil, Pinnacle, Siemens Simatic S7, C++ and BASIC

■ HONORS , AWARDS AND ACHIEVEMENTS

- Secured 10th position in F.Sc. Kohat Board
- Senior Section Commander, Cadet College Kohat
- President Arts Club and Best Artist 2001, Cadet College Kohat

■ EXTRA CURRICULAR ACTIVITIES

- Member GIKI Environmental and Awareness Society
- Member GIKI Sports Society
- Member GIKI Badminton Team
- Member Batch/Faculty Cricket Teams
- Member Coordinating teams: Softcom'07, Farewell'06 and Welcome'06

■ PROFESSIONAL ACTIVITIES/ EXPERIENCE

- Participated in All-Pakistan Talent Contest
- Attended All-Pakistan Education Expo'06
- Attended All-Pakistan Engineering Conference'07
- Contributed articles for Horizon, the official GIKI magazine
- Attended seminar on UMTS