

Muhammad Arshad, Ph.D.

Assistant Professor

Deanship of E-Learning and Information Technology

Jazan University, Kingdom of Saudi Arabia

Email: msarshad@jazanu.edu.sa, muarshad74@gmail.com

Mobile: +9665 37366015

ORCID iD: <https://orcid.org/0000-0003-2832-8705>

LinkedIn: <https://www.linkedin.com/in/muhammad-arshad-6665b919/>

Google Scholar: <https://scholar.google.com/citations?user=wBhPDdUAAAAJ&hl=en&oi=sra>

WES: <https://www.youracclaim.com/earner/earned/badge/ecacc25-3269-4bf3-99f3-2b9a02b7be8b>



SUMMARY

- Dynamic and motivated professional with a proven record of generating and building relationships, managing projects from concept to completion, designing educational strategies, and coaching individuals to succeed with a huge socio-economic impact on society. Skilled in building cross-functional teams, demonstrating exceptional communication skills, and making critical decisions during challenges. An adaptable and transformational leader with an ability to work independently, creating effective presentations, and developing opportunities that further establish organizational goals.

PROFESSIONAL PROFILE

My professional experience started from a Media and Advertising agency, public sector organization and, Educational Institute, I have been enthusiastically involved in:

- Academic Advisor, Department of Computer Science.
- Departmental Coordinator, Quality Assurance Committee.
- Member, Academic Affairs Committee.
- Controller, Examination Committee.
- Incharge, Microwave, and Communication Lab.
- Deputy Convener, Communication Research group.
- Member, Final Year Project Committee for Undergraduate project course.
- Member, Class Monitoring Committee.
- Member, Research Funding Committee.
- Taught in the Department of Electrical Engineering to undergraduate student level.
- Served as a Supervisor in a Multinational Organization.
- Hands-on working experience on multi-vendor communication devices.

EMPLOYMENT HISTORY

Assistant Professor / Program Coordinator

Jazan University, Gizan, Kingdom of Saudi Arabia

Sep 2012 – Present

- Working as an Assistant Professor in the Deanship of e-Learning and Information Technology.
- Involved in Academic, Administrative, and Research activities.
- Advising students on academic and related matters.
- Technical Member, Learning Management System.
- Attending departmental and faculty meetings, conferences, and seminars.
- Participating in setting course and degree requirements, curriculum revision, and academic planning.
- Serving on faculty and other committees and professorial boards.
- Conducting research and undertaking consultancies in a particular field of knowledge.

- ICT and Education Advisor, provide technical assistance on ICT development Projects. Identifying and evaluating developments in education by conducting research into educational systems.
- Discussing programs, records, and teachers with officials to record the academic performance of the department, welfare of pupils, and performance of individual teachers.
- Organizing and conducting workshops and conferences to train teachers in new programs and methods.
- Carrying out administrative tasks related to the department, such as student admissions, induction programs, and involvement in committees and boards.
- **As a Departmental Coordinator of Quality Assurance, the responsibilities are:**
 - Setting appropriate objectives in learning and teaching.
 - Providing intellectual and material resources to support these objectives.
 - Monitoring annually and enhancing learning and teaching performance.
 - Evaluating the success in meeting learning and teaching objectives.
 - Revising modules and making minor revisions to programs.
 - Accounting for their academic performance to Faculty Boards.
 - Demonstrating high standards to external examiners and other external agencies.
 - Preparing, where appropriate, for professional accreditation.
- **As a Controller of Examination Committee, the responsibilities are:**
 - Examination Committee serves all Examination notices received from University to all concerned.
 - Examination Committee prepares Circulars for students regarding Exam Fee Collection, the last date of fee Collection, etc.
 - Examination Committee takes all precautions while preparing Examination Time table, Invigilation duty chart, seating plans for the students in the Examination halls, smooth conduct of Examinations, etc.
 - Examination Committee mobilizes the proper staff during the Examination time and assigning them duty as per the duty chart already prepared.
 - Examination Committee takes necessary steps for the distribution of Answer sheets to the concerned teachers after completion of the exam and receiving the answer sheets, award list, and preparing in the desired format to send them to University.
 - Examination Committee keeps all records pertaining to examinations.
 - Examination Committee staff addresses grievances of administration, faculty, staff, and students on all examination related issues.
- **As a Member of the Risk Management Committee, the responsibilities are:**
 - Provide a methodology to identify and analyze the financial impact of loss to the institute, students, and the environment.
 - Monitoring the performance of risk management processes.
 - Ensuring that appropriate controls are in place to manage identified risks.
 - Preparation of periodic reports to the Audit Committee.
 - On behalf of the University Academic Council, the Risk Management Committee will annually review the effectiveness of the Deanship's approach to risk management.

Graduate Assistant

Universiti Teknologi PETRONAS, Tronoh, Malaysia

Feb 2009 – Aug 2012

- Conduct the tutorial and laboratory classes of undergraduate-level courses.
- Preparing and marking tutorials, assignments, and examinations.
- Providing system demonstration to visitors coming to Universiti Teknologi PETRONAS who are interested in Wireless Sensor Networks, Mobile and Wireless Communication Networks.

Incharge of Microwave and Communication Lab/ Assistant Professor

COMSATS University, Islamabad, Pakistan

Sep 2006 – Jan 2009

- An active member of the communication research group.
- Designed and established a new laboratory with communication equipment for research and development.
- Training in different projects of Computer and Telecommunication Engineering students.
- Entail research, development, and management projects for the communication industry.
- Teach undergraduate level courses of Computer and Telecommunication Engineering programs.
- Preparing and delivering lectures, and conducting tutorials, seminars, and laboratory sessions.

- Preparing and marking essays, assignments, and examinations.
- Advise students on the course and academic matters and career decisions.
- Conduct research in the field of specialization and publish findings in scholarly journals or books.
- Serving on faculty committees dealing with such matters as curriculum planning and degree requirements, and perform a variety of administrative duties.
- Represent university as speakers and guest lecturers.
- Provide professional consultative services to government, industry, and private individuals.

Previous Research Supervision

- Wireless broadband performance evaluation.
- Resource Management for Next Generation Networks.
- End to End Mobility Management (EMF) for Multi-homed Mobile Devices.

Participated in Undergraduate Projects (Selected)

- Energy-efficient nodes of wireless sensor networks using SEAMAC protocol.
- Next Generation Handover over Transport Layer using SCTP Protocol.
- IP Based Call Communication Systems.
- Radio Frequency planning in GSM Networks.
- Cost Estimation and Performance evaluation for the development of Pakistan Educational Research Network 2 (PERN-2).

Hands-on Experience

- Net Monitor Software by Nokia, GPS Navigation System, OPNET IT Guru Simulator, Signal and Function Generator, Analog and Digital Communication Kits, PLC Trainer, and Modules and Oscilloscope operation.

Supervisor

Musgrave Budgens Londis Limited, Oxford, United Kingdom

Sep 2004 – Sep 2006

- Maintaining and troubleshooting local area network devices.
- Scheduling, managing, and coordinating with employees of the organization.
- Give a hand Assistant Manager in various computer-based and administrative tasks.

Hands-on Experience

- Cisco 800 Series Router Model 871, Cisco Catalyst 2960-24TC, DELL Power Edge 840 Series, Linux Operating System, Open Office Package, Bar Code Scanner (Hardware WinCom & Software Vision).

Lecturer

Hamdard University, Karachi, Pakistan

Feb 2001 – Aug 2001

- Taught Introduction Computer Programming, Advanced Computer Programming (C Language), and Awareness of Information Technology in Hamdard Institute of Management Sciences.
- Designing, preparing, and developing teaching materials.
- Assessing students' coursework, setting, and marking examinations.
- Supporting students through a pastoral/advisory role.
- Undertaking personal research projects and actively contributing to the institution's research profile.

Assistant Head of IT

Mindshare Pakistan Private Limited, Karachi, Pakistan

Feb 2000 – May 2000

- Design, configuration & troubleshooting of local area network and Cisco systems' wide area network devices.
- Design WAN scenarios based on network infrastructure requirements.

- Responsible for maintaining Windows NT4 networks.
- Assist network administrator in various day to day tasks.

Hands-on Experience

- Manage a Network of 45 Nodes interconnecting with Cisco 1800 Series Router Model 1841, Cisco Catalyst 2950 Switch and DELL Server, Ethereal Network Monitoring and MS Office, and MS Project.

Teaching Assistant

Sir Syed University of Engg. & Tech., Karachi, Pakistan

July 1999 – Dec 1999

- Taught Software Engineering Lab.

Professional Training

- Blackboard Learn Management Course from Jazan University, KSA.
- Jazan University Multi-Platforms (JUMP) Management Course from Jazan University, KSA.
- E-Learning and Distance Learning Management Course from Jazan University, KSA.
- Interconnecting Cisco Network Device Course from Sir Syed University of Engineering & Technology, Pakistan.
- Linux Administration Certification course from Sir Syed University of Engineering & Technology, Pakistan.
- **MCSE**
(NT Server 4.0, NT Server in Enterprise, NT Workstation and Networking Essentials cleared)
- NT Workstation Administration, TCP/IP are also cleared from **Brain Bench** online certification.

EDUCATION

Doctor of Philosophy (Ph.D.) in Electrical and Electronic Engineering

Universiti Teknologi PETRONAS, Tronoh, Malaysia

2009 – 2012

Research Area

- Routing Protocol for Wireless Sensor Networks

Master of Science (MSc) in Mobile and High-Speed Telecommunication Networks

Oxford Brookes University, Oxford, United Kingdom

2004 – 2006

Course Completed Include

- High-Speed Mobile Communications (UMTS/3G). (**Distinction**)
- Multi-service Networks (ATM, IntServ, DiffServ, and MPLS).
- Optical and Broadband Networks (SDH, xDSL, and different Network Access and Data Communication techniques).
- Digital Mobile Communications (GSM).
- Network Principles (Network Devices, Protocol, and Services).

Postgraduate Diploma in Information Technology (Communication Networks)

North American School of Information Technology, Ontario, Canada

2002 – 2003

Bachelor of Science (BS) in Computer Engineering

Sir Syed University of Engineering and Technology, Karachi, Pakistan

1997 – 2001

PUBLICATIONS

In Journals

- **Muhammad Arshad**, “An Efficient Utilization and Evaluation of Learning Management System in Jazan University,” Information Technologies and Learning Tools. (*Under Review*)
- Muhammad Younas, Ahmad Sukri Mohd Noor, **Muhammad Arshad**, “Cloud Based Knowledge Management Framework for Decision Making in Higher Education Institutions,” International Journal of Cooperative Information Systems. (*Under Review*)
- **Muhammad Arshad**, Ahmad Almufarreh, Shahziab Anwar, Sardar Muhammad Gulfam, “The Role of Information and Communication Technology to Combat COVID-19 Pandemic: Recent Development, Requirements and Open Challenges” (*In Progress*)
- **Muhammad Arshad**, Ahmad Almufarreh, Khaled M. G. Noaman and Muhammad Noman Saeed, “Academic Semester Activities by Learning Management System during COVID-19 Pandemic: A Case of Jazan University,” International Journal of Emerging Technologies, 11(5): 213-219(2020)
- **Muhammad Arshad**, Ahmad Almufarreh, Muhammad Taha Jilani, Farhan A Siddiqui, “A Three-Tier Cluster Based Routing Protocol for Mobile Wireless Sensor Networks,” Indian Journal of Science and Technology, 13(33): 3409-3424.
- **Muhammad Arshad**, “COVID-19: It’s time to be Thankful to our ICT Professionals,” International Journal of Information Technology and Electrical Engineering, Vol. 9, No. 2, April 2020, pp. 23-31.
- Mohd Noor, Ahmad Shukri & Younas, Muhammad & **Arshad, Muhammad**, “A review on cloud based knowledge management in higher education institutions,” International Journal of Electrical and Computer Engineering. 9. 5420-5427. 10.11591/ijece.v9i6.pp5420-5427.
- **Muhammad Arshad**, Farhan Ahmed Siddiqui, “Practice of Social Networking Technologies in Jazan University, KSA: A Survey,” International Journal of Management and Applied Science. Proceedings of 176th The IIER International Conference, Kuala Lumpur, Malaysia, 18th -19th July 2018
- Farhan A. Siddiqui, Jibrán R. Khan, Muhammad Saeed, **M. Arshad** and Nasir Touheed, “Mobile Data Collector Routing Protocol Scheme for Scalable Dense Wireless Sensor Network to Optimize Node’s Life”, International Journal of Advanced Computer Science and Applications (IJACSA), 9(9), 2018.
- **Muhammad Arshad**, Shakeel Ahmad, Farhan Ahmad Siddiqui, “Social Media Technologies and their Benefits in Higher Education Institution: A Survey of Jazan University”, Information Technologies and Learning Tools, VOL. 65, No. 3, June 2018
- Farhan A. Siddiqui, Muhammad Saeed, Jibrán R. Khan, **Muhammad Arshad**, Nasir Touheed, “WSN Multi-Tier MDC GRID based Routing Protocol to mitigate Financial Impact”, IJCSNS International Journal of Computer Science and Network Security, Vol.17 No.11, November 2017
- Armi, Nasrullah; Chaeriah, B. A. W; **Arshad, Muhammad**, “Performance Evaluation of Energy Detector in Cognitive Radio System”, Advance Science Letters, Volume 21, Number 11, November 2015, pp. 3494 – 3496 (3)
- **Muhammad Arshad**, Mohamad Y. Aalsalem, Farhan A. Siddiqui, “Energy Efficient Cluster Head Selection in Mobile Wireless Sensor Networks”, Journal of Engineering Science and Technology (JESTEC), Vol. 9, No. 6 (2014) 728 – 746

- **Muhammad Arshad**, Nasrullah Armi, Nidal Kamel, N.M. Saad, "Mobile data collector based routing protocol for wireless sensor networks," *Scientific Research and Essays* Vol. 6(29), pp. 6162-6175, 30 November, 2011, DOI: 10.5897/SRE11.1339 ISSN 1992-2248 ©2011 Academic Journals
- Nasrullah Armi, Safdar Rizvi, **M. Arshad**, M.Zuki Yusoff, N. M. Saad, "Performance of Opportunistic Spectrum Access in Cognitive Radio Ad Hoc Networks," *Journal of Engineering Science and Technology (JESTEC)*, Vol. 7, April 2012, Taylor's Publisher
- Nasrullah Armi, N.M. Saad, M.Zuki Yusoff, **M.Arshad**, "Optimal Sensing for Opportunistic Spectrum Access in Cognitive Radio," *International Journal of Engineering*, Vol.4 Issue 3, July 2010, ISSN: 1985-2312. CSC Journal Publisher.
- Nasrullah Armi, N.M. Saad, **M.Arshad**, "Hard Decision Fusion based Cooperative Spectrum Sensing in Cognitive Radio System," *ITB Journal of Information and Communication Technology*, Vol.3, No.2, ISSN: 1978-3086.

In Conferences

- **Muhammad Arshad**, Farhan Ahmed Siddiqui, "Practice of Social Networking Technologies in Jazan University, KSA: A Survey," 417th International Conference on E-Education, E-Business, E-Management and E-Learning (IC4E), Kuala Lumpur, Malaysia 18th July, 2018
- N. Armi, B. A. W. Chaeriah and **M. Arshad**, "Spectrum sensing performance in cognitive radio system," 2015 2nd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE), Semarang, 2015, pp. 382-385.
- N. Armi, B. A. W. Chaeriah, D. Mahmudin, P. Daud and **M. Arshad**, "Energy detector threshold under White Gaussian Noise channel in cognitive radio system," 2015 2nd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE), Semarang, 2015, pp. 372-375.
- Nasrullah Armi, Chaeriah Wael, **Muhammad Arshad**, "Performance Evaluation of Energy Detector in Cognitive Radio System," Presented on International Conference on Advances Technology in Telecommunication, Broadcasting, and Satellite 2015 (TELSATECH 2015), Jakarta. September 26-27, 2015.
- **Arshad, M.**; Saeed, M.N., "Emerging Technologies for e-learning and distance learning: A survey," *Web and Open Access to Learning (ICWOAL)*, 2014 International Conference on , vol., no., pp.1,6, 25-27 Nov. 2014.
- **Arshad, M.**; Aalsalem, M.Y.; Siddiqui, F.A., "Energy efficient cluster based routing scheme for mobile Wireless Sensor Networks," *Intelligent and Advanced Systems (ICIAS)*, 2014 5th International Conference on, vol., no., pp.1,6, 3-5 June 2014.
- **Muhammad Arshad.**; Mohamad Y Aalsalem.; Farhan A Siddiqui, "Performance Evaluation of Routing Protocol for Mobile Wireless Sensor Networks", "World Congress on Multimedia and Computer Science", SearchDL ID: 02.WCMCS.2013.1.27 Publication Year: 2013, Page(s): 192 - 200, Hammamet, Tunisia, 4 – 6 October 2013.
- **Muhammad Arshad.**; Mohamad Y Aalsalem.; Farhan A Siddiqui.; N.M. Saad.;, "Multi-hop Routing Protocol for Mobile Wireless Sensor Networks," *Computer and Information Technology (WCCIT)*, 2013 World Congress on, vol., no., pp.1,6, 22-24 June 2013.
- **Arshad, M.**; Aalsalem, M.; Siddiqui, F.A.; Kamel, N.; Saad, N.M., "Efficient cluster head selection scheme in Mobile Data Collector based routing protocol," *Intelligent and Advanced Systems (ICIAS)*, 2012 4th International Conference on, vol.1, no., pp.280,284, 12-14 June 2012.

- **Muhammad Arshad.**; Mohamad Y Aalsalem,; Farhan A Siddiqui,; N.M. Saad,; Nasrullah Armi,; Nidal Kamel,, “Data Fusion in Wireless Sensor Networks”, Proceeding of the “International MultiConference of Engineers and Computer Scientists 2012” Vol. I, IMECS 2012, March 14-16, 2012, Hong Kong.
- **Arshad, M.;** Saad, N.M.; Kamel, N.; Armi, N.; , "Routing strategies in hierarchical cluster based mobile wireless sensor networks," *Electrical, Control and Computer Engineering (INECCE), 2011 International Conference on* , vol., no., pp.65-69, 21-22 June 2011.
- **Arshad, Muhammad;** Saad, N M; Armi, Nasrullah; Shujaiddin, M; Siddiqui, Farhan Ahmed; , "Multi-Frequency scenario within UMTS/3G," *Advanced Communication Technology (ICACT), 2011 13th International Conference on* , vol., no., pp.1614-1619, 13-16 Feb. 2011.
- **Arshad, M.;** Kamel, N.; Saad, N.M.; Armi, N.; , "Performance enhancement of wireless sensor nodes for environmental applications," *Intelligent and Advanced Systems (ICIAS), 2010 International Conference on*, vol., no., pp. 1-5, 15-17 June 2010.
- M. Shuja, N. Basheer, N. Hisham, N. Armi and **M. Arshad**, "Propagation Models for Wireless Body Area Network", *Proceeding of IEEE International Conference on Intelligence and Information Technology (ICIIT)*, 28-30 October 2010, Lahore, Pakistan, Vol. 2, pp. 478-482.
- Nasrullah Armi, N.M. Saad, M.Zuki.Y, **M.Arshad**, “MAC protocol for Opportunistic Spectrum Access in Cognitive Radio system,” *Proceeding of IEEE Symposium on Industrial Electronics & Applications Conference*, 3-6 October 2010, Penang, Malaysia.
- Armi, N.; Saad, N.M.; Zuki Y, M.; **Arshad, M.;** , "Cooperative spectrum sensing and signal detection in cognitive radio," *Intelligent and Advanced Systems (ICIAS), 2010 International Conference on* , vol., no., pp.1-5, 15-17 June 2010.
- N.Armi, N.M.Saad, **M.Arshad**, "Cooperative Signal Detection with Different Channel Fading", *Proceeding of International Conference on Telecommunication (ICTEL)*, Nov 17-18, 2009, Bandung, Indonesia.

In Progress

- Internet of Things (IoT) in Learning and Education.
- A Smart Weather Detection and Safety System for Highways Based on Artificial Intelligence and Wireless Sensor Networks.
- Blockchain Technology in Healthcare.
- Modern Traceability System of Industrial/Agricultural Products Based on Edge Computing and Blockchain Technologies.

RESEARCH ACTIVITIES

Research Interests

- Internet of Things (IoT).
- Artificial Intelligence.
- Machine Learning.
- Cloud Computing / Networking.
- Mobile Wireless Sensor Networks.
- Next-Generation Communication Networks.
- Mobile and Wireless Communication Networks.

Research Projects (Completed, Funded Project)

- A Feasibility Study of Collaborative E-Learning Environment through Social Media for Saudi Arabian Higher Educational Institutions.

Research Thesis, Dissertation and Coursework's

Ph.D. Thesis Title

- Design of Mobile Data Collector Based Clustering Routing Protocol for Wireless Sensor Networks.

MSc Dissertation

- Multi-Frequency Scenario within UMTS/3G.

Semester Coursework's

- Survey Report: Global System for Mobile Communications (GSM).
- Study Report: Billing in Universal Mobile Telecommunication Networks.
- Study Report: Ethernet Passive Optical Networks.

Undergraduate Final Year Project

- Internet Service Provider Billing System.

TEACHING

Taught Courses

- Multimedia Networks.
- Communication Systems.
- Data and Communication Networks.
- Wireless Communication Systems.
- Data Communication and Computer Networks.
- Network Analysis.
- Circuit Analysis.
- Introduction to Computer Programming.
- Advanced Computer Programming.
- Awareness of Information Technology.

Teaching Interests

- Wireless Sensor Networks.
- Advanced Topics in Wireless Communication Networks.
- Advanced Topics in Computer Networks.
- Multimedia Networks.
- Communication Systems.
- Wireless Communication Systems.
- Data Communication and Computer Networks.
- Enterprise Network Design and Management.
- High-Speed Mobile Communications.
- Multi-service Networks.
- Optical and Broadband Networks.
- Digital Mobile Communications.
- Network Principles.
- Internet Technology.

TECHNICAL EXPERTISE

Languages, Tools, and Suite

- C, C++, Java, C#, nesC.
- Visual C++, Visual Basic.
- Eclipse, Latex.
- MS Office.

Protocols

- Ethernet Physical layer, DSL, ISDN, SONET/SDH, 802.11 Physical layers.
- Ethernet, FDDI, Frame Relay, HDLC, IEEE 802.11 & 802.16, STP, VLAN, Token Ring, PPP, PPTP.
- ARP, RARP, ATM, Frame Relay, MPLS, X.25, MPLS.
- EGP, EIGRP, IGMP, IGRP, IPv4, IPv6, IPSec, BGP, OSPF.
- IPX/SPX, TCP/IP, Internet Protocol Suite, SCTP, TCP, UDP.
- DNS, DHCP, FTP, HTTP, HTTPS, SIP, SMTP, SNMP, NetBIOS.
- Bluetooth, 6LowPAN, SSL.

Simulation Tools

- MATLAB, ns-2, jsim,, OPNET, OMNeT++, GloMoSim, Wireshark, Net Monitor.

Databases

- Oracle, SQL Server, MySql.

Development Environments

- Linux, Unix, Windows, Mac, Solaris, TinyOS, .NET.

Learning Management Systems

- BLACKBOARD, JUSUR, JUMP, MOODLE, etc.

RESEARCH COLLABORATIONS

- Indonesian Institute of Sciences, Bandung, Indonesia.
- Universiti Teknologi PETRONAS, Bandar Seri Iskandar, Malaysia.
- COMSATS Institute of Technology, Islamabad, Pakistan.
- University of Karachi, Karachi, Pakistan.

RESEARCH TEAM

Graduate Students

- Mohammad Younas, (Universiti Malaysia Terengganu, Malaysia), PhD.

Graduated

- Farhan Ahmed Siddiqui, (University of Karachi, Pakistan), Ph.D.
- Wazir Zada Khan, (Universiti Teknologi PETRONAS, Malaysia), Ph.D.
- Shahnawaz Khan, (Teerthankar Mahaveer University, India), M. Tech.

MEMBERSHIP AND ACHIEVEMENTS

- Chair, IEEE International conference session.
- Reviewer, International Journals and Conferences.
- Graduate Member, British Computer Society.
- Professional Member, International Association of Engineers, Hong Kong.
- Lifetime membership of Pakistan Engineering Council.
- Designing and Establishment a new Communication lab in COMSATS Islamabad Campus.
- Fully-funded Graduate (Ph.D.) Assistantship from Universiti Teknologi PETRONAS, Malaysia.
- Securing Commonwealth scholarship (MSc) from Oxford Brookes University, United Kindom.
- Sir Syed University of Engineering and Technology, Pakistan awarded a scholarship in the third and fourth years of B.S Computer Engineering on the basis of outstanding CGPA for the first two years.

REFERENCES

- Dr. Khaled Mohammed Ghaleb Noaman
Professor / Director
Academic Affairs, Deanship of e-Learning and Information Technology
Jazan University, Jazan, Kingdom of Saudi Arabia
Email: knoaman@jazanu.edu.sa, drabujeehad@gmail.com
Mobile: +966556627315
- Dr. Nasrullah Armi
Senior Researcher
Research Center for Electronics and Telecommunication, Indonesian Institute of Sciences,
Bandung, Indonesia
Email: nasr005@lipi.go.id, nasrullah.armi@gmail.com
Mobile: +62 87734622549
- Dr. Muhammad Taha Jilani
Associate Professor
College of Computing & Information Sciences
PAF KIET, Main Campus, Karachi, Pakistan
Email: m.taha@pafkiet.edu.pk, mtaha.jilani@gmail.com
Mobile: +923343364402
- Dr. Farhan Ahmad Siddiqui
Assistant Professor
Department of Computer Science
University of Karachi, Karachi, Pakistan
Email: farhan@uok.edu.pk, fasiddiqui@gmail.com
Mobile: +923332176054
- Dr. Mohamad Naufal Bin Mohamad Saad
Associate Professor
Department of Electrical and Electronics Engineering
Universiti Teknologi PETRONAS, Bandar Seri Iskandar,
Malaysia
Email: naufal_saad@petronas.com.my, naufal1977@gmail.com
Mobile: +60124851740