

# Prof. Dr Noor Zaman Jhanjhi



Associate Professor | Program Director- PG Research  
Director CSS5 & Cluster Head at Taylor's University Malaysia  
**World Top 2% Scientist 2022**  
**Visiting Professor** [British University Vietnam]  
**Distinguished Adjunct Professor**  
[Saveetha School of Engineering Saveetha Uni]  
**Director** Center for Smart Society 5.0 [CSS5]  
**Cluster Head** Cybersecurity Research Center  
School of Computer Science SCS, Taylor's University  
SDN BHD, Subang Jaya, Selangor, 47500, Malaysia

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<https://www.css-5.com/our-team/> and <https://noorzaman.com/>  
Google Scholar: <https://bit.ly/34VjEp5>  
Scopus: <https://www.scopus.com/authid/detail.uri?authorid=36088700700>  
Research Gate: [https://www.researchgate.net/profile/Noor\\_Zaman3](https://www.researchgate.net/profile/Noor_Zaman3)  
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## Career Objective

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Aiming to be an experienced Professor in an educational organisation would render my knowledge, experience, and expertise in all aspects, from organisational management, research excellence, academic quality (accreditation), and policymaking to the proper moulding of students teaching them the values and principles of life.

## Highlights of Profile Summary

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Dr Noor Zaman Jhanjhi is currently working as **Associate Professor, Program Director – Postgraduate Research Studies Computer Science, Director** Center for Smart Society 5.0 [CSS5], and **Cluster Head** for the **Cybersecurity** research Cluster at the School of Computer Science, Taylor's University, Malaysia. His profile summary is as below,

- ❖ **World's Top 2% Scientist** for the year 2022, by Stanford University
- ❖ **Top Researcher** in Malaysia by Scopus in Computer Science w.r.t publications
- ❖ **Outstanding Faculty Member** award by MDEC Malaysia for the year 2022.
- ❖ **Outstanding** Associate Editor **IEEE Access** Journal for 2020
- ❖ **23** years of Teaching, Research & Development Experience in the fields of Cybersecurity, Security, Internet of Things (IoT) security, Wireless Networks, Wireless Sensor Networks, Ad hoc Networks, Machine Learning and Software Engineering at Taylor's University, Malaysia, King Faisal University, Saudi Arabia, ILMA University, British University Vietnam.
- ❖ More than **23** years of experience in academics, research, and the IT industry in different academic and management positions such as Associate Prof., Program Director- Postgraduate Research Degree Programmes Computing, Director CSS5, Cluster Head Cybersecurity, Dean's Coordinator, etc.
- ❖ Five hundred (**500**) plus research publications internationally.
- ❖ One Hundred Eighty (**180**) plus SCIE high indexed Impact Factor (**Q1-Q3**) journal publications.
- ❖ Eight Hundred (**800**) plus cumulative impact factor points to date
- ❖ Two hundred (**200**) plus Scopus and ESCI-indexed journal publications
- ❖ Eighty (**80**) plus international Conferences (IEEE, ACM, Springer) publications.
- ❖ Forty (**40**) plus Research Book Chapters (Springer, Willeys, Taylor's & Frances, IGI Global USA, Intech Open, etc.)
- ❖ Thirty-Five (**35**) plus edited/authored research books with highly reputed publishers, including, Springer, IGI Global USA, Willeys, Taylor's & Frances, Intech Open, Eliva Press, etc.
- ❖ Google Scholar H-Index Forty-One (**41**) and (**161**) I-10 Index, with **6350** plus citations.
- ❖ Scopus H-Index Thirty one (**31**) and (**80**) I-10 Index, with **3300** plus citations.
- ❖ Research Gate H-Index Thirty-Eight (**38**), with **5000** plus citations.
- ❖ Semantic Scholar H-Index Twenty-eight (**29**), with **2700** plus citations.
- ❖ Fifty (**60**) plus **Keynotes/Invited** from around the globe, including Europe, Malaysia, China, Indonesia, India, Pakistan, etc.
- ❖ Nine (**9**) plus International **Patents**, including Australian, German, Japanese, etc., on his account.
- ❖ Twenty-two (**22**) plus International/National research **grants/funds** achieved as PI and Co-PI
- ❖ Guest Editor and Series Editor for several reputed high-indexed SCIE journals and book series.
- ❖ Editorial Board for several reputed journals, including PEERJ Computer Science, Frontier in Artificial Intelligence, Frontiers in the Internet of Things, Frontiers in Communications and Networks, etc. Best Associate Editor award IEEE ACCESS for the year **2020**.
- ❖ Ph.D. Examiner/Evaluator for (**30**) plus international Universities globally, including Finland, India, Malaysia, Pakistan, Australia, South Africa, Europe, etc.
- ❖ Five (**5**) Consultancy projects internationally.
- ❖ Expertise in curriculum program design and development as a head and member of academic and research committees.
- ❖ Thirty (**30**) plus PG supervision (**16 PhD and 15 MSc**) successfully completed and under supervision
- ❖ Experience in academic planning and management, academic processes, policy implementation and administration.
- ❖ Three (**3**) years (**2019-2021**) consecutive top performers at Taylor's University, Malaysia
- ❖ Ten (**10**) years of Academic quality accreditation experience for **ABET**, (Successfully achieved ABET accreditation for 3 programs twice) **NCAAA, NCEAC**, etc.
- ❖ Ten (**10**) plus conference chairs/session chairs internationally.
- ❖ One Hundred (**100**) plus Technical Program Committee (**TPC**) member for international IEEE conferences globally.
- ❖ **Top 1%** reviewer by Publons (Web of Science) awarded by the year 2019.
- ❖ Reviewer for more than (**100**) top journals ranked journals, including IEEE Transactions, IEEE ACCESS, IEEE Internet of Things Journal, Future Generation, IEEE Sensors, etc.
- ❖ Research **Grant and Academic Promotion** evaluator for several universities globally.
- ❖ Strong Research Collaborating Network with Fifty (**50**) plus universities globally.

- ❖ Strong team-leading capabilities earned during supervision of several projects from inception to implementation in numerous capacities – Program Director- Postgraduate Research Degree Programmes Computing , Director Center for Smart Society 5.0 (CSS5), Cluster Head for Cybersecurity Research Cluster, School Coordinator for the Industrial Revolution IR4.0, and United Nations Sustainable Development Goals (SDG), Deans Coordinator at CSSIT, KFU.
- ❖ Excellent public speaking and communication skills developed during industrial/ conference presentations received the best paper and best speaker awards

### **RESEARCH INTERESTS AND EXPERTISE**

Cybersecurity	Internet of Things Security	Machine Learning
Wireless Security	Ad hoc Network	Software Engineering,
Wireless Sensor Network	Cloud Computing and Big Data	Remote Process Automation

### **Academics**

June 2010 – July 2015	PhD (IT) University Technology Petronas (UTP), Malaysia
Jan 1999 – Dec 2000	Master of Science (Computer Science) UAF, Pakistan. CGPA. 3.64/4, <i>University Merit Scholarship throughout for Masters</i>
Apr 1994 – Oct 1998	Bachelor of Science (BS Engineering) UAF, Pakistan. CGPA. 3.46/4

### **Career History**

August 2018 – **Taylor’s University, SCE, Subang Jaya, Malaysia**

Serving as **Associate Professor** at the School of Computer Science, School of Computer Science and Engineering, SCE, Taylor’s University. Malaysia  
Some of the significant tasks and achievements are:

- Instructed students using a combination of lectures, demonstrations, discussion groups, seminars, case studies, field assignments, and group projects to ensure opportunities for the practical application of courses
- Developed and delivered the following courses
  - Secure Software Systems (graduate)
  - Mobile Application Development (Course Coordinator)
  - Introduction to Cloud Computing (Course Coordinator)
  - Wireless Network Security (Course Coordinator)
  - Computer Networks (Course Coordinator)
  - Mobile Computing (Course Coordinator)
- Contributed significantly to developing Masters in Applied Computing (MAC) academic program
- Contributed significantly to developing Micro-Credential Industrial Training program
- Contributed significantly to developing Online Distance Learning Program during the Covid Pandemic in 2020.
- Contributed significantly in supervising and teaching the PG program.
- Contributed significantly in Postgraduate Program by graduating many scholars under my supervision.

- Participated actively in department affairs – developed curriculum joined a research group, wrote several research grants, and conducted simulations for approved research projects
- Served in the committees to:
  - enhance programming skills of students for regional and international competitions
  - formulating local and international research groups and collaborations
  - ensuring continuous improvement & accreditations of all degree programs (MQA)
- Supervised undergraduate senior year projects of Computer Sciences & graduate students
- Build the Journal Management System for University Research Journal
- Provided Consultancy to the industry on different projects

November 2022

### **Program Director – Postgraduate Research Programmes [CS]**

August 2021

- Developing and implementing research strategies: responsible for developing and implementing research strategies to achieve the organization's goals.
- Managing research programs: responsible for managing research programs, including overseeing project timelines, budgets, and resource allocation.
- Ensuring research quality: responsible for ensuring that research programs are conducted in accordance with ethical standards and scientific rigor. Involve designing and implementing quality control processes, monitoring research outcomes, and providing guidance and feedback to research staff.
- Collaborating with internal and external stakeholders: responsible for collaborating with internal stakeholders such as senior management, funding agencies, and research partners. Responsible for building relationships with external stakeholders, such as industry partners, regulatory agencies, and community organizations.
- Communicating research findings: responsible for communicating research findings to internal and external stakeholders, including presenting research outcomes, publishing research papers and reports, and disseminating research findings through conferences and other public forums.
- Ensuring compliance: responsible for ensuring compliance with relevant laws, regulations, and policies, including data protection regulations, intellectual property rights, and research ethics.
- Contributing to the development of the organization's research strategy: responsible for contributing to the development of the organization's research strategy by providing input into strategic planning and budgeting processes.

### **Director Center for Smart Society 5.0 [CSS5]**

(<https://www.css-5.com/> )

**Team Leader and responsible for,**

- **Director Center for Smart Society 5.0 [CSS5]**
- **Cluster Head Cybersecurity research cluster/Lab**
- **CSS5 have five research cluster**
- **Cybersecurity (CS) research cluster**
- **Artificial Intelligence (AI) research cluster**
- **Data Science (DS) research cluster**

- **Autonomous Robotics (AR) research cluster**
- **Additive Manufacturing (AM) research cluster**
- **International Research collaboration**
- **Grant/Funds acquiring collaboration**
- **Academic collaboration**
- **Industry collaboration**

#### Research and Development & Achievements

- **Director Center for Smart Society 5.0 [CSS5]**
- Heading **Cybersecurity** research cluster/Lab
- Secured FRGS grant from the ministry as co-researcher 2019
- Secured an international grant from Saudi Arabia as **Co-Principal Investigator**
- Secured a national grant as **Principal Investigator** in collaboration with **United King UK** related to smart cities.
- An active member of the **School Research Committee**
- Awarded **top reviewers 1%, globally** from Web of Science (Publons)
- **Outstanding Associate Editor IEEE Access 2020 Award**
- Supervised/Supervising and Co supervising several PhD and MS research students.
- Internal examiner for several Postgraduate students
- Authored/edited several research-oriented books
- An active member of Ministry grants application
- More than **300 publications** are on account with indexed and reputable journals, conferences, books, and book chapters.
- Actively involved in research grant writing national and international level.
- Research collaboration with several universities around the globe
- General Chair for the ICDSCI 2020 at Taylor's University
- Co-Chair SecureConf 2019 with collaboration with CSM, Malaysia. (<https://sc2019.wsconferences.com/>)
- Co-Chair Publicity Internet of Medical Things For Smart Healthcare Applications, USA. (<http://imets.asastechno.com/>)
- Guest Editor SN Applied Sciences/Springer (<https://bit.ly/32UT6RT>)
- Guest Editor Int. Jour. of Dist. Sensor Net./Sage Jour.([shorturl.at/fg167](http://shorturl.at/fg167))
- Guest Editor (Lead) Smart Cities Journal MDPI.
- ([https://www.mdpi.com/journal/smartcities/special\\_issues/SC\\_Cyber\\_Security#editors](https://www.mdpi.com/journal/smartcities/special_issues/SC_Cyber_Security#editors))

#### Committees

- Member of School **Disciplinary Committee**, to help and address the related disciplinary issues of the School
- Member of **School Research Committee** to help and support the research culture at the School
- Member of IEEE ICACCA 2018 conference at Taylor's University
- Co-Chair Eureka, International conference at the School
- Design Micro-Credential certifications course contents at the School.

#### Research Clusters

- **Cluster head of Cyber Security Research Cluster** at the School of Computing and IT, Taylors University.
- An active member of **Center for Data Science** at School of Computing and IT, Taylors University

### Consultancy and Training

- Provide consultancy and technical training to the corporate sector (**CIMA Bank Malaysia**).
- Provide consultancy and technical training to the corporate sector (**Daikin Malaysia**).
- Co-Chair for **SecureConf 2019**, Cybersecurity conference
- Actively attending several Cyber Security corporate training.
- Actively attending several Data Science corporate training
- Designing curriculum for Cyber Security degree program with industry consultancy.

Sep 2015 –  
August 2018

### King Faisal University, Al Ahsa, Kingdom of Saudi Arabia

Served as an **Assistant Professor** in the Department of Computer Science, College of Computer Sciences and Information Technology, King Faisal University.

Some of the significant tasks and achievements are:

### Research and Development & Achievements

- Secured funding of **1 million Saudi Riyals** from KACST as **Co-Principal Investigator** for a research project. The first million-riyal funding in the college.
- Secured and worked on more than **17** research projects funded by the Deanship of Scientific Research, King Faisal University.
- One research project was funded by the University Technology (UTP) Malaysia.
- Internationally research collaboration with **Malaysia, Spain, Saudi Arabia, Pakistan, Poland, and India**
- Edited **08 books**, with internationally reputable publishers such as **IGI Global USA Inc., INTECH**, etc., available on **Amazon** and all popular online sources focused to the research students.
- Working in **Quality Assurance Committee** as secretary for more than **10 years and achieved ABET accreditation** twice.
- More than **65 publications** were on account with indexed and reputable journals, conferences, books, and book chapters while at KFU.
- Worked as **Dean's coordinator** to assist College administrative matters and effectively assist in the faculty hiring process.
- He worked for **EECHES formerly NCAAA standard 5** at the university level for institutional accreditation for King Faisal University.
- He worked in **Scientific Research Committee** to formulate research groups, research culture, research rewards and research collaboration.

### Curriculum Development

- Contributed significantly to developing a new degree program **MS in Computer Science** for the College.
- Contributed significantly to developing a new degree program **BS in Software Engineering** for the College.
- Contributed significantly to revising **BS in Computer Science** degree program in the light of ABET accreditation body requirement for the College.
- Worked as an active member of the expert group for curriculum development

### Committees

- Worked in the **Quality Assurance Committee** to design and develop academic quality practices at college, to apply and secure different local and international academic accreditations such as ABET and EECHES.
- Worked as **Dean's Coordinator** at College to assist College administrative matters.



- Chaired **Documentation and Follow up Committee** to maintain documentation and assist all other College committees.
- Chaired **Lab Committee** to provide assistance and administration of all laboratories at college
- Worked in **Scientific Research Committee** to give awareness and motivate faculty members of the college to participate actively in research activities and research collaboration.
- Worked in the **Local Programming Contest Committee** that helped in improving the programming skills of the students.
- Worked in **CIRS Committee** CCSIT Innovation and Research Showcase to innovate new trends of technology and trained to the senior students.
- Worked in **EECHES formally NCAAA** committee at institutional level for standard 5 to secure academic accreditation.
- Worked in department **Quality Assurance Committee** to ensure quality practices in the department.

Sep 2008 – Aug 2015

### **King Faisal University, Al Ahsa, Kingdom of Saudi Arabia**

Served as **Lecturer** in the Department of Computer Science, College of Computer Sciences and Information Technology, King Faisal University.

Some of the major tasks and achievements are:

#### **Research and Development**

- Secured a funding of **1 million Saudi Riyals** from KACST as **Co-Principal Investigator** for a research project, the first million-riyal funding in the College.
- Secured and worked more than **17** research projects funded by the Deanship of Scientific Research, King Faisal University.
- Edited **08** books, with internationally reputable publishers available on amazon, focused to the research students.
- Worked in **Quality Assurance Committee** as secretary since more than **07 years and achieved ABET accreditation.**
- More than **50 publications** on account with indexed, impact and internationally reputable journals, conferences and books as book chapters.
- Worked as **Dean's coordinator** to assist College administrative matters and effectively assist in the faculty hiring process.
- He worked in the **Scientific Research Committee to formulate research groups, research culture, research rewards, and** collaboration.

#### **Curriculum Development**

- Contributed significantly to developing a new degree program **MS in Computer Science** for the College.
- He has contributed significantly to developing a new degree program **BS in Software Engineering** for the College.
- He contributed significantly to revising **BS in Computer Science** degree program in the light of ABET accreditation body requirement for the College.

#### **Committees**

- Worked in the **Quality Assurance Committee** to design and develop academic quality practices at college, to apply and secure different local and international academic accreditations such as ABET and EECHES.
- Worked as **Dean's Coordinator** at College to assist College administrative matters.
- Chaired **Documentation and Follow up Committee** to maintain documentation and assist all other College committees.
- Chaired, **Lab Committee** to provide assistance and administration of all laboratories at

college.

- He worked in the **Local Programming Contest Committee** that helped in improving the programming skills of the students.
- He worked in the departmental **Quality Assurance Committee** to ensure quality practices in the department.
- He worked in the departmental **Scientific Research and Collaboration Committee** to ensure best research practices and international collaboration.

Mar 2005 – Aug  
2008

### **Institute of Business & Technology IBT (Now ILMA University), Karachi**

Served as **Assistant Professor & Head of IT** in Institute of Business & Technology with teaching vis-à-vis academic, administrative responsibilities summarized as follows:

#### **Research and Development & Achievements**

- Started **research Journal JICT** in the computer science department, which is recognized by HEC now.
- Organized **national level research Conference on Cyber Technology: Issues, Challenges & Development**, at Sheraton Karachi by BIZTEK, July 2007.
- **Headed IT department** (in house software development, Web development\hosting, in house designing and development for printing and Network operations for all campuses) at IBT, Karachi
- **Headed software development department** at ILMA for in house software development
- Design and develop IT infrastructure to **bring IBT (ILMA) online** with different areas of applications including **Online Admission System, Online Students Application System, Online Library Management System, Online attendance system, Academic Information System, Accounts Information System, Online Graduate Directory, Store Inventory System, HR Attendance System, SMS Marketing System, Email Marketing System, Application Control Panel System, Exam Log System, Examination System, Call Log System**
- Initiating, organizing, and managing **three new campuses** and manage IT services remotely.
- **Chairman Computer Networks & Communication Department:** Heading department and representing department in Academic Council and Selection Board meetings beside of managing the department.
- **Coordinator MS/MPhil Program** includes all necessary management tasks for smooth running of MS/MPhil (CS) program starting right from conducting entry test and interviews to course allocation, arranging and managing visiting faculty, exams and results.
- **Member Academic Council:** Academic Council is responsible for policy-making decisions at the highest level of management of college.
- **Member Selection Board:** Selection board is responsible for hiring and promotions at senior level at IBT, Karachi.
- Deploying **Security Surveillance System** at main Campus and other campus, managing them remotely.

Jan 2003 – Feb  
2005

### **APTECH worldwide Inc. (Azfam Technologies), Karachi**

- Worked as **Senior Lecturer** in the Faculty of Computer Science and involved in teaching.
- Worked as **Coordinator for Virtual University (VU)** at Azfam technologies campus Karachi, help and arranging classes, labs, handouts etc. for VU students at Azfam technologies for Karachi region.

Jun 2001 – Dec  
2002

### **PETROMAN Computer Education, Karachi**

Worked as **Lecturer** involved in teaching courses such as Artificial Intelligence, Visual Basic and



Parallel Processing. The responsibilities included managing the lab sessions and theory classes.

## **Research & Development: (I. Funded Research Grants)**

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### **Funded Research Projects**

1. “SAHARA-A Semantic Disaster Management System” funded by KACST, Kingdom of Saudi Arabia, 2012-13, **SR 1,000,000 (Grant No. 11-INF1814-06)**
2. “Designing of Energy Efficient Routing Protocol for improving life cycle and Efficiency Enhancement of Wireless Sensor Network (WSN)”, funded by Deanship of Scientific Research, King Faisal University, 2009-10, **SR 97,900 (Grant No. 100141)**
3. “Designing of energy-aware Quality of Service (QoS) based routing protocol for efficiency improvement in Wireless Sensor Network (WSN)”, funded by Deanship of Scientific Research, King Faisal University, 2010-11, **SR 97,900 (Grant No. 110099)**
4. “Designing Secure Routing in Wireless Sensor Networks for increasing Reliability and scalability of (WSN)”, funded by Deanship of Scientific Research, King Faisal University, 2010-11, **SR 96,100 (Grant No. 110094).**
5. “New Characterizations of Two-Dimensional Cellular Automata and its Applications in Image Analysis”, funded by Deanship of Scientific Research, King Faisal University, 2010-11, **SR 91,100 (Grant No. 110141)**
6. “Proposing Secured & Reliable Wireless Sensor Network (WSN) Based System for Critical Pipeline Infrastructure”, funded by Deanship of Scientific Research, King Faisal University, 2011-12, **SR 1,19,900 (Grant No. 120127)**
7. “Development of Distance Parallel Computing Infrastructure for on-line High-Performance Computing Applications”, funded by Deanship of Scientific Research, King Faisal University, 2011-12, **SR 1,19,900 (Grant No. 120141)**
8. “Simulation of Crowds at Jamarat” funded by Deanship of Scientific Research, King Faisal University, 2012-13, **SR 98,400 (Grant No. 130100)**
9. “Proposing a Reliable Solution to Assist the Blind Community based on Wireless Sensor Networks and Global Positioning System”, funded by Deanship of Scientific Research, King Faisal University, 2012-13, **SR 99,900 (Grant No.130097)**
10. “Localized Text Free User Interfaces” funded by Deanship of Scientific Research, King Faisal University, 2013-14, **SR 128,200 (Grant No. 140102)**
11. “A Novel Optimization to Medical Image Enhancement for Saudi Hospitals” funded by Deanship of Scientific Research, King Faisal University, 2013-14, **SR 89,400 (Grant No. 140141)**
12. “Intelligent Cloud-Based Collaborative Multi-Modal Disease Diagnostic System”, funded by Deanship of Scientific Research, King Faisal University, 2013-14, **SR 97,400 (Grant No. 140141)**
13. “An Improved Software Development Process for Small and Medium Software Development Enterprises”, funded by Deanship of Scientific Research, King Faisal University, 2013-14, **SR 99,400 (Grant No. 140151)**

14. “QoS Performance Analytical Models for Wireless Sensor Networks with realistic traffic assumptions”, funded by Deanship of Scientific Research, King Faisal University, 2014-15, **SR 67,400 (Grant No. 150191)**
15. “Performance Evaluation of Polling Models under Self-Similar traffic Patterns”, funded by Deanship of Scientific Research, King Faisal University, 2014-15, **SR 82,400 (Grant No. 150217)**
16. “Three Factor Smart Phone Authentication Protocol for Command & Control”, funded by Deanship of Scientific Research, King Faisal University, 2015-16, **SR 44,400 (Grant No. 160091)**
17. “Enhancing ovarian cancer identification in ovarian imaging analysis”, funded by Deanship of Scientific Research, King Faisal University, 2015-16, **SR 53,400 (Grant No. 160092)**
18. “Biologically inspired Energy Harvesting in Wireless Ad Hoc Networks using Solar and ZigBee Technology”, funded by University Internal Funding (URIF), University Technology Petronas Malaysia, 2014-16, **MR 150,400 (Grant No. UTP/RID/-0004)**
19. “The Global Software Development (GSD) and Latest Software Development Trends in Gulf region”, funded by Deanship of Scientific Research, King Faisal University, 2018-19, **SR 34,000 (Grant No. 180056)**
20. “Generic Consensus Model for Improving Nodes Syndicating Performance in Blockchain”, FRGS, funded by Ministry, government of Malaysia 2019-20, **RM 63,800.00 (Grant No. FRGS/1/2019/ICT01/UTP/02/1)**
21. “Knowledge exchange on the opportunities and challenges of implementing UK-based smart city governance initiative in Malaysia”, International level project with collaboration with UK 2019-20, **RM 20,000 (HEPP/1/2019/SOCIT/001)**
22. “Environmental Monitoring in Underground Mines Using Sensor-enabled Internet of Things”, ASEAN-India Collaborative R&D scheme under ASEAN-India S&T Development Fund (AISTDF) International level project in collaboration with, Malaysia, India and Vietnam, 2021-22, **INR 10,00000 (CRD/2020/000284)**

## **Research & Development: (II. Patent Intellectual Property)**

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1. **Australian Patent: Patent Number: 2020102385:** Tushar Hrishikesh, Anand Nayyar, Arun Solanki, Mahesh Bhimsham, Bandana Mahapatra, *Noor Zaman Jhanjhi*, *EDGE PRESERVING IMAGE SMOOTHING BENCHMARK SYSTEM WITH DEEP CONVOLUTIONAL NEURAL NETWORK*, *Australian Patent*, September 23, 2020. Status Granted. (<https://bit.ly/3mH8M60>)
2. **Australian Patent: Patent Number: 2020103713:** Devi, V.Ajantha; Jhanjhi, *Noor Zaman*; Krishnamurthi, Rajalakshmi; Kumar, Adarsh; Nayyar, Anand; Sahoo, Kshira Sagar, *DIGITAL IMAGING METHODS AND SYSTEM FOR PROCESSING AGAR PLATE IMAGES FOR AUTOMATED DIAGNOSTICS*, *Australian Patent*, November 27, 2020. Status Granted. (<https://bit.ly/3mH8M60>)
3. **Australian Patent: Patent Number: 2021101362:** Nayyar, Anand; Krishnamurthi, Rajalakshmi; Mahapatra, Bandana; Jhanjhi, *Noor Zaman* Devi, V. Ajantha Shukla, Piyush Kumar, *A WIRELESS NETWORKING OF MEDICAL EQUIPMENT'S ON MOBILE APPLICATION FOR PAPERLESS CLINIC*, *Australian Patent*, March 16, 2021. Status Granted. (<https://bit.ly/3mH8M60>)
4. **German Patent: Patent Number: 20 2022 100 252.5:** Alourani, Abdullah, Qassim; Nayyar, Anand, Da Nang; *Zaman, Noor*, *AN IOT-BASED SYSTEM TO DETECT FACE MASKS AND MAINTAIN SOCIAL DISTANCING IN A BUILDING*, *German Patent*, Feb 11, 2022. Status Granted. (<https://register.dpma.de/DPMAreger/pat/register?AKZ=2020221002525>)

5. **German Patent: Patent Number: 20 2022 100 253.3:** Alourani, Abdullah, Qassim; Nayyar, Anand, Da Nang; **Zaman, Noor**, *AN IOT-POWERED PET MONITORING AND FEEDING SYSTEM*, *German Patent*, Feb 11, 2022. Status Granted.  
(<https://register.dpma.de/DPMAreger/pat/register?AKZ=2020221002533>)
6. **German Patent: Patent Number: 20 2022 101 840.5:** Al Zain, Mohammed Abdullatif, **Jhanjhi, Noor Zaman**, Khan, Mohammad Monirujjaman, Masud, Mehedi, *A Compact Multiband Super Wideband Antenna for Body-centric Wireless Applications*, *German Patent*, June 09, 2022. Status Granted.  
(<https://register.dpma.de/DPMAreger/pat/register?AKZ=2020221018405> )
7. **German Patent: Patent Number: 20 2022 101 841.3:** Al Zain, Mohammed Abdullatif, Chakravarty, Sumit, **Jhanjhi, Noor Zaman**, Kumar, Arun, Chandmari, Masud, Mehedi, Sharma, Himanshu Alourani, *Semantic Segmentation Based Kinematic Tracking*, *German Patent*, May 19, 2022. Status Granted.  
(<https://register.dpma.de/DPMAreger/pat/register?AKZ=2020221018413> )
8. **Japanese Patent: Patent Number: JP,3238104,U:** Monagi Hassan M Alkinani, **Noor Zaman Jhanjhi**, Abdulwahab Ali A Almazroi, Anand Nayyar, *The electric vehicle power generation/charging system using an electromagnetic suspension*, *Japanese Patent*, July, 2022. Status Granted.  
(<https://www.i-platpat.inpit.go.jp/p0200>)
9. **Japanese Patent: Patent Number: JP,3239447,U:** Monagi Hassan M Alkinani, **Noor Zaman Jhanjhi**, Abdulwahab Ali A Almazroi, Anand Nayyar, *An absorbent system for obtaining solar energy*, *Japanese Patent*, November, 2022. Status Granted.  
(<https://www.i-platpat.inpit.go.jp/c1800/PU/JP-3239447/3C1F69A5C0E0442DDF586765A6EB379ABDD7F6912126A322E1A0CB068BD1FA8E/25/en>)

### Research & Development :( III. Journal Papers)

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| 10. Akhilendra Pratap Singh, Nihar Ranjan Sahu, Ashish Kumar Luhach, Shivanshu Agnihotri, <b>NZ Jhanjhi</b> , Sahil Verma, Kavita, Uttam Gosh, DS Roy., A Novel Patient-Centric Architectural Framework for Blockchain Enabled Healthcare Applications, in <i>IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS</i> (2020), doi: 10.1109/TII.2020.3037889. <i>ISI and Scopus Indexed</i> | <b>Impact Factor</b><br>10.215 |
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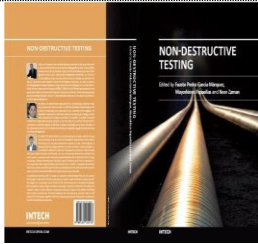
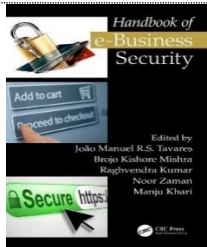




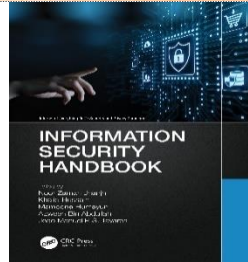
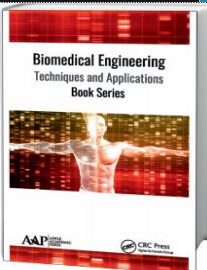
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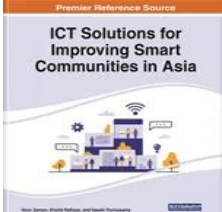
## **VI. Book Editing: Research & Development**

<b>S. No</b>	<b>Book Title with link</b>	<b>Book Cover</b>
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1	<p><b>Noor Zaman, Khalid Ragab, Azween B Abdullah</b> ,Wireless Sensor Networks and Energy Efficiency: Protocols, Routing and Management, <b>IGI-Global publisher USA, January 2012, (ISBN10: 1466601019)</b>  <a href="http://www.igi-global.com/book/wireless-sensor-networks-energy-efficiency/56036">http://www.igi-global.com/book/wireless-sensor-networks-energy-efficiency/56036</a>  <b>[Indexed in Scopus]</b></p> 	
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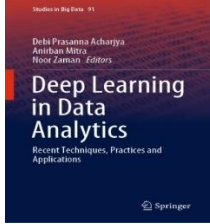
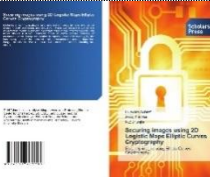



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17	<p><b>Rana M. Amir Latif, Muhammad Farhan, Khalid Hussain, Noor Zaman Jhanjhi, Mamoona Humayun</b>, “<i>A SMART ASSESSMENT METHODOLOGY TO MEASURE AND ANALYZE GOOGLE PLAY STORE</i>”, Eliva Press SRL, Chisinau, Moldova, Europe, August 30, <b>2020</b> ISBN-10 : 1952751691, ISBN-13 : 978-1952751691 <a href="https://www.amazon.com/dp/1952751691">https://www.amazon.com/dp/1952751691</a> <a href="https://www.elivapress.com/en/book/book-4005241574/">https://www.elivapress.com/en/book/book-4005241574/</a></p>	
18	<p><b>Kaleem Razzaq Malik, Muhammad Farhan, Noor Zaman Jhanjhi, Rana M. Amir Latif, Khalid Hussain, Syed Jawad Hussain</b>, “<i>A METHODOLOGY OF BI-DIRECTIONAL DATA TRANSFORMATION IN EMERGING RESEARCH AND OPPORTUNITIES</i>”, Eliva Press SRL, Chisinau, Moldova, Europe, September 11, <b>2020</b> ISBN:978-1952751776 <a href="https://www.amazon.com/dp/1952751772">https://www.amazon.com/dp/1952751772</a> <a href="https://www.elivapress.com/en/book/book-8815653053/">https://www.elivapress.com/en/book/book-8815653053/</a></p>	

19	<p>Muhammad Umer, Rana M. Amir Latif, Muhammad Farhan, Noor Zaman Jhanjhi, Mamoon Humayun, Syed Jawad Hussain, “<i>A Smart Agriculture Land Suitability Detection Model Using Machine Learning with Google Earth Engine</i>”, Eliva Press SRL, Chisinau, Moldova, Europe, October 15, 2020 ISBN: 1636480128</p> <p><a href="https://www.amazon.com/dp/1636480128">https://www.amazon.com/dp/1636480128</a></p> <p><a href="https://www.elivapress.com/en/book/book-6184722213/">https://www.elivapress.com/en/book/book-6184722213/</a></p>	
20	<p>Uzzal Sharma, Parma Nund, Jyotir Moy Chatterjee, Vishal Jain, Noor Zaman Jhanjhi, R. Sujatha, “<i>Cyber Physical Systems: Emerging Trends and Application</i>”, with Wxrivener Publishing Willey published (2021) Scopus Indexed</p>	
21	<p>Samina Rajpar, Noor Ahmed Sheikh, Noor Zaman, “<i>AI TECHNIQUES FOR PERSONALIZED E-LEARNING SYSTEMS</i>”, with Wxrivener Publishing Willey published (2021) Scopus Indexed</p>	
22	<p>R. Anandan, G. Suseendran, Souvik Pal, Noor Zaman, “<i>Industrial Internet of Things (IIoT): Intelligent Analytics for Predictive Maintenance</i>”, with Wxrivener Publishing Willey published March, (2022)</p> <p><a href="https://www.amazon.com/Industrial-Internet-Things-IIoT-Intelligent/dp/1119768772">https://www.amazon.com/Industrial-Internet-Things-IIoT-Intelligent/dp/1119768772</a></p> <p>Scopus Indexed ISBN-10 : 1119768772</p>	
23	<p>Anandan, R., Suseendran, G., Chatterjee, P., Jhanjhi, N.Z., Ghosh, U. (eds) <i>How COVID-19 is Accelerating the Digital Revolution (Challenges and Opportunities)</i>. Springer, Cham, Online ISBN 978-3-030-98167-9, DOI <a href="https://doi.org/10.1007/978-3-030-98167-9">https://doi.org/10.1007/978-3-030-98167-9</a></p> <p>Scopus Indexed <a href="https://link.springer.com/book/10.1007/978-3-030-98167-9#about-authors">https://link.springer.com/book/10.1007/978-3-030-98167-9#about-authors</a></p>	
24	<p>Loveleen Gaur, Arun Solanki, Samuel Fosso Wamba, Noor Zaman, “<i>Advanced AI Techniques and Applications in Bioinformatics</i>”, with CRC Press; 1st edition (Oct. 18, 2021), ISBN-13: 978-0367641696</p> <p><a href="https://amzn.to/3FIE1g3">https://amzn.to/3FIE1g3</a></p>	
25	<p>Muneer Ahmad, Noor Zaman, “<i>Empowering Sustainable Industrial 4.0 Systems with Machine Intelligence</i>”, with IGI Global USA 2021, Release October 2021. (<a href="https://www.igi-global.com/book/empowering-sustainable-industrial-systems-machine/276464">https://www.igi-global.com/book/empowering-sustainable-industrial-systems-machine/276464</a> )</p> <p>ISBN13: 9781799892014   ISBN10: 1799892018   EISBN13: 9781799892038</p>	



26	<p><b>Noor Zaman, Loveleen Guar, and Mamoon Humayun</b>, “<i>Approaches and Applications of Deep Learning in Virtual Medical Care</i>”, with IGI Global USA 2021, Release <b>October 2021</b>.  <a href="https://www.igi-global.com/book/approaches-applications-deep-learning-virtual/274538">https://www.igi-global.com/book/approaches-applications-deep-learning-virtual/274538</a> )</p> <p>ISBN13: 9781799889298   ISBN10: 1799889297   EISBN13: 9781799889304</p>	
27	<p><b>R Sujatha, G Prakash, Noor Zaman Jhanjhi</b>, <i>Cyber Security Applications for Industry 4.0</i>, first edition, ISBN 9781032066202, <b>October 20, 2022</b>, Forthcoming by Chapman and Hall/CRC, 272 Pages 52 B/W Illustrations  Indexed in Scopus</p> <p></p> <p><a href="https://www.taylorfrancis.com/books/edit/10.1201/9781003203087/cyber-security-applications-industry-4-0-sujatha-prakash-noor-zaman-jhanjhi">https://www.taylorfrancis.com/books/edit/10.1201/9781003203087/cyber-security-applications-industry-4-0-sujatha-prakash-noor-zaman-jhanjhi</a></p>	
28	<p><b>Humaira Ashraf, Noor Zaman, Mamoon Humayun, and Atta ullah</b> “<i>Secure IoT: Advance in Cryptography and Authentication</i>”, with <b>CRC, Taylors Francis, (2021)</b></p> <p><i>Release date October 2021</i></p>	
29	<p><b>Debi Prasanna Acharjya, Anirban Mitra, Noor Zaman</b>, “<i>Deep Learning in Data Analytics Recent Techniques, Practices and Applications</i>”, with Springer USA 2022, Release <b>August 2021</b>.  <a href="https://link.springer.com/book/10.1007/978-3-030-75855-4">https://link.springer.com/book/10.1007/978-3-030-75855-4</a> )  <a href="https://doi.org/10.1007/978-3-030-75855-4">https://doi.org/10.1007/978-3-030-75855-4</a></p> <p>SBN: 978-3-030-75854-7   ISBNs: 978-3-030-75857-8   EISBN: 978-3-030-75855-4</p>	
30	<p><b>Uzzal Sharma (Editor), Parma Nand (Editor), Jyotir Moy Chatterjee (Editor), Vishal Jain (Editor), Noor Zaman Jhanjhi (Editor), R. Sujatha (Editor)</b>, <i>Cyber-Physical Systems: Foundations and Techniques</i></p> <p><b>ISBN: 978-1-119-83619-3 June 2022 336 Pages</b>  <a href="https://www.wiley.com/en-au/Cyber+Physical+Systems:+Foundations+and+Techniques-p-978119836193">https://www.wiley.com/en-au/Cyber+Physical+Systems:+Foundations+and+Techniques-p-978119836193</a></p>	
31	<p><b>Noor Zaman Jhanjhi (Editor), Imdad Ali Shah (Editor), Samina Rajper (Editor)</b>, “<i>Cybersecurity Measures for E-Government Frameworks</i>”, with IGI Global USA 2022, Release <b>2022</b>.  <a href="https://www.igi-global.com/book/cybersecurity-measures-government-frameworks/279863">https://www.igi-global.com/book/cybersecurity-measures-government-frameworks/279863</a> )</p> <p><b>Indexed by ACM</b>  DOI: 10.4018/978-1-7998-9624-1  ISBN13: 9781799896241   ISBN10: 1799896242</p>	
32	<p><b>Humaira Ashraf, Arooj Fatima, N. Z Jhanjhi (Editor)</b>, “<i>Securing Images Using 2D Logistic Maps Elliptic Curves Cryptography</i>”, with Scholar’s Press Europe 2021, Release <b>2021</b>.  <a href="https://www.morebooks.shop/store/gb/book/securing-images-using-2d-logistic-maps-elliptic-curves-cryptography/isbn/978-613-8-96270-0">https://www.morebooks.shop/store/gb/book/securing-images-using-2d-logistic-maps-elliptic-curves-cryptography/isbn/978-613-8-96270-0</a> )</p> <p>EAN:9786138962700   ISBN13: 978-613-8-96270-0</p>	
33	<p><b>Humaira Ashraf, Shamsa Kanwal, N. Z Jhanjhi (Editor)</b>, “<i>Securing-Users-of-Long-Term-Evolution-LTE</i>”, with Scholar’s Press Europe 2021, Release <b>2021</b>.  <a href="https://www.morebooks.shop/store/gb/book/securing-users-of-long-term-evolution-lte/isbn/978-613-8-96269-4">https://www.morebooks.shop/store/gb/book/securing-users-of-long-term-evolution-lte/isbn/978-613-8-96269-4</a> )</p> <p>EAN: 9786138962694   ISBN13: 978-613-8-96269-4</p>	

34	<p>Saqib Saeed, Abdullah M. Almuhaideb, Neeraj Kumar, Noor Zaman and Yousaf Bin Zikria (Editor), “<b>Handbook of Research on Cybersecurity Issues and Challenges for Business and FinTech Applications</b>”  <a href="https://www.igi-global.com/book/handbook-research-cybersecurity-issues-challenges/294861">https://www.igi-global.com/book/handbook-research-cybersecurity-issues-challenges/294861</a>          Projected Release Date: October, 2022   Copyright: © 2023   Pages: 400          DOI: 10.4018/978-1-6684-5284-4          ISBN13: 9781668452844   ISBN10: 1668452847   EISBN13: 9781668452868</p>	
35	<p>Gaur, Loveleen, and Noor Zaman Jhanjhi, (Editor), “<b>Digital Twins and Healthcare: Trends, Techniques, and Challenges</b>”,  <a href="https://doi.org/10.4018/978-1-6684-5925-6">https://doi.org/10.4018/978-1-6684-5925-6</a>          DOI: 10.4018/978-1-6684-5925-6          ISBN13: 9781668459256   ISBN10: 1668459256   EISBN13: 9781668459263</p>	
36	<p>Computing Science, Communication and Security: Third International Conference, COMS2 2022, Gujarat, India, February 6–7, 2022, Revised Selected Papers, edited by Nirbhay Chaubey, Sabu M. Thampi, <b>Noor Zaman Jhanjhi</b>, Springer Nature, 2022, <b>Softcover ISBN 978-3-031-10550-0</b>,          DOI: <a href="https://doi.org/10.1007/978-3-031-10551-7">https://doi.org/10.1007/978-3-031-10551-7</a>  <a href="https://doi.org/10.1007/978-3-031-10551-7">shorturl.at/PSV34</a></p>	

## Research Thesis Supervisions/Co-Supervision

### PhD. Scholars:

- |                           |  |
|---------------------------|--|
| 1. Marcus Lim             | Taylor’s University, Subang Jaya, Selangor Malaysia (2018-2020, Completed) |
| 2. SH KOK Michael         | Taylor’s University, Subang Jaya, Selangor Malaysia (2018-2020, Completed) |
| 3. Naveed Ali Khan        | Taylor’s University, Subang Jaya, Selangor Malaysia (2018-2021, Completed) |
| 4. Tayyab Khan            | Taylor’s University, Subang Jaya, Selangor Malaysia (2019-2021, Completed) |
| 5. Fatemeh Sharifonnasabi | Taylor’s University, Subang Jaya, Selangor Malaysia (2019-2021, Completed) |
| 6. Marium Muzamal         | Taylor’s University, Subang Jaya, Selangor Malaysia (2018-2021, Completed) |
| 7. Sohaib Ahmed           | Taylor’s University, Subang Jaya, Selangor Malaysia (2019-2022, Completed) |
| 8. Fatima tu Zehra        | Taylor’s University, Subang Jaya, Selangor Malaysia (2019-)                |
| 9. Matasem Saleh          | Taylor’s University, Subang Jaya, Selangor Malaysia (2019-2022, Completed) |
| 10. Zerdoumi Saber        | Taylor’s University, Subang Jaya, Selangor Malaysia (2020-)                |
| 11. Saira Muzafar         | Taylor’s University, Subang Jaya, Selangor Malaysia (2020-)                |
| 12. Farzeen Ashfaq        | Taylor’s University, Subang Jaya, Selangor Malaysia (2022-)                |
| 13. Syed Imdad Ali        | Taylor’s University, Subang Jaya, Selangor Malaysia (2022-)                |
| 14. Danish Ali            | Taylor’s University, Subang Jaya, Selangor Malaysia (2022-)                |
| 15. Lai Jai               | Taylor’s University, Subang Jaya, Selangor Malaysia (2022-)                |

### MS. Scholar:

- |                       |  |
|-----------------------|--|
| 1. Theyvaa.S Krishnan | Taylor’s University, Subang Jaya, Selangor Malaysia (2018-2020, Completed) |
| 2. Dalia Abdul Kareem | Taylor’s University, Subang Jaya, Selangor Malaysia (2019-2021, Completed) |
| 3. Lai Jai            | Taylor’s University, Subang Jaya, Selangor Malaysia (2019-2021, Completed) |



4. Lee Seung Jin	Taylor's University, Subang Jaya, Selangor Malaysia (2019-2021, Completed)
5. Casper	Taylor's University, Subang Jaya, Selangor Malaysia (2019-2021, Completed)
6. Adeyemo Victor Elijah	Taylor's University, Subang Jaya, Selangor Malaysia (2018-)
7. Shampa Davi	Taylor's University, Subang Jaya, Selangor Malaysia (2022-)
8. Zahrah Abdullah Almusalym	King Faisal University, Saudi Arabia 2017-18 (Research: Thesis, Completed)
9. Maria Fahad Almulham	King Faisal University, Saudi Arabia 2017-18 (Research: Thesis, Completed)
10. Fatimah Abdulaziz Almusalli,	King Faisal University, Saudi Arabia 2015-16 (Research: Thesis, Completed)
11. Muhammad Fahad Alnuaim,	King Faisal University, Saudi Arabia 2016-17 (Research: Thesis, Completed)
12. Zafar Ali Mehar,	IBT (ILMA), Karachi, Pakistan 2007 (Research: Thesis, Completed)
13. Zhaid Hussain	IBT (ILMA), Karachi, Pakistan 2008 (Research: Thesis, Completed)
14. Zia Ahmad Sheikh	IBT (ILMA), Karachi Pakistan 2008 (Research: Thesis, Completed)
15. Saira Muzafar Sheikh	IBT (ILMA), Karachi Pakistan 2008 (Research: Thesis, Completed)

#### Undergraduate Project Supervision

- Supervised numerous projects for degree programs at Taylor's University, Subang Jaya **Malaysia**
- Supervised numerous industrial projects for degree programs at Taylor's University, Subang Jaya **Malaysia**
- Most of the graduate projects received international recognition and prizes internationally, being smart and unique in nature based on Mobile development, IoT based, Virtual Reality, Kinetic sensors etc.
- Supervised numerous projects for BSCS at IBT, Karachi **Pakistan**.
- Supervised numerous projects for BSCS at King Faisal University, **Saudi Arabia**.
- Several projects participated in **international conferences** and won the first prizes besides **journal publications**.
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#### Professional Services: (A. Regional/Associate Editor)

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1. IEEE ACCESS Journal - ISSN **2169-3536- USA (Current)**
2. PeerJ Computer Science Journal - ISSN **2167-8359- USA (Current)**
3. Information Technology Journal – Science Alert ISSN **1812-5646- USA (Current)**
4. Journal of Applied Sciences – Science Alert ISSN **1812-5662- USA (2012 to 2018)**
5. Research Journal of Information Technology – Science Alert ISSN **2151-7959- USA (2012 to 2018)**
6. Journal of Software Engineering – Science Alert ISSN **2152-0941- USA (Current)**
7. Asian Journal of Scientific Research – Science Alert ISSN **2077-2076- USA (2012 to 2018)**
8. Trends in Applied Research – Science Alert ISSN **2151-7908- USA (Current)**
9. Singapore Journal of Scientific – Science Alert ISSN **2010-0051- USA (Current)**
10. Australian Journal of Computer Science – Science Alert ISSN **2251-323X- USA (Current)**

#### Professional Services: (B. Guest Editor)

---

1. Guest Editor CMC, Tech Science Press (<https://bit.ly/2SVWEjE>)
2. Guest Editor SN Applied Sciences, Springer (<https://bit.ly/32UT6RT>)

3. Guest Editor Int. Jour. of Dist. Sensor Net. /Sage Jour.([shorturl.at/fg167](http://shorturl.at/fg167))
4. Guest Editor SN Applied Sciences, Springer (<https://bit.ly/32UT6RT>)
5. Guest Editor Smart Cities Journal by MDPI (<https://bit.ly/2Tx7Rc1>)
6. Member International advisory for smart Intelligence Lab (<http://researchlab.arche-tech.com/people>)

### Professional Services: (C. Executive\Editor\Associate Editor\ Editorial Board)

---

1. **(IEEE ACCESS)**, Journal, USA
2. **(IJWNB)** International Journal of Wireless Networks and Broadband Technologies, ISSN: 2155-6261, IGI Global Publishers, USA
3. **(IJARCSEE)** International Journal of Advanced Research in Computer Science and Electronics Engineering ISSN: 2277 – 9043)
4. **(JICT)** Journal of Communication and Information technology -ISSN: 1816-613X-July 2006 – January 2011
5. **(ICACT)** Transactions on the Advanced Communications Technology, Korea
6. **(RECSIT)** Reflection on Computer Science and Information Technology, Saudi Arabia
7. **(JMSS)** Journal of Management & Social Sciences-ISSN: 1814-9790- July 2006 – January 2011
8. **(ESTIR)** Engineering Science & Technology International Research Journal ISSN: 2520-7393
9. **(JICTRA)** Journal of Information Communication Technologies & Robotics Applications
10. **(IJCCT)** Indus Journal of Computing & Computing Technology - Indus
11. **(IJCRT)** International Journal of Computing and Related Technologies- SMIU
12. **(JISR)** Journal of Information System Research - UMT
13. **(JMGSD)** Management for Global Sustainable Development
14. **Biztekian** Vision Quartile News Magazine-Jan 2006- 2008

### Professional Services: (D. Conference /Journal Paper Reviewer)

---

1. **(IEEE) IEEE Transactions** on Wireless Communications- IEEE
2. **(IEEE) IEEE Sensors** Journal
3. **(IEEE) IEEE IoT** Journal
4. **(IEEE) IEEE Access** Journal
5. **(IEEE) IEEE IoT Magazine**
6. **(IEEE) TechRxiv**
7. **Ad hoc and Wireless** Journal
8. **Computer Communication**, Elsevier.
9. **Journal of Cleaner Production**, Elsevier
10. **International Journal of Computer Science and Emerging Science**
11. **International Journal of Wireless Information Networks**, Springer
12. **International Journal of Communication Systems**, Willey
13. **ACM Transactions on Internet Technology**, IEEE
14. **Journal of Cloud Computing**, Springer
15. **International Journal of Sensor Networks**
16. **Energy Systems**, Springer
17. **Computers & Electrical Engineering**, Elsevier
18. **Frontiers in Public Health**, and many more journals

19. **(WPC)** Wireless Personal Communications- Elsevier ISSN 0929-6212
20. **(JNCA)** Journal of Network and Computer Applications- Elsevier ISSN 10848045
21. **(CC)** Computer Communications - Elsevier ISSN 0140-3664
22. **(Measurement)** Journal of the International Measurement Confederation – Elsevier ISSN 0263-2241
23. **(IJSNET)** International Journal of Sensor Networks- INDERSCIENCE Publishers
24. **(IJWIN)** International Journal of Wireless Information Networks published by Springer ISSN: 1068-9605
25. **(IJCS)** International Journal of Communication Systems by Willy Online Library ISSN: 1099-1131
26. **(JOS)** Journal of Software: Evolution and Process ISSN: 2047-7481
27. **(SRE)** Scientific Research and Essays – Academic Journals ISSN 1992-2248
28. **(SURJ)** Sindh University Research Journal, Science Series, HEC recognized
29. **(EJISDC)** The Electronic Journal of Information Systems in Developing Countries- Hong Kong ISSN 1681-4835
30. **Simulation:** Transactions of the Society for Modeling and Simulation International, USA
31. **(JICT)** Journal of Communication and Information Technology -ISSN: 1816-61
32. **(IJNS)** International Journal of Network Security – ISSN 1816-3548- Taiwan
33. **(IJCDS)** International Journal of Computing and Digital Systems – ISSN 2210-142X-Bahrain
34. **(JMSS)** Journal of Management & Social Sciences-ISSN: 1814-9790
35. **(ISCI 2011)** IEEE Symposium on Computers & Informatics- Malaysia
36. **(ICOS 2011)** IEEE Conference on Open Systems- Malaysia
37. **(ISIEA 2011)** IEEE Symposium on Industrial Electronics & Applications- Malaysia
38. **(IEEE ICCSIT 2011)** International Conference on Computer Science & Information Technology- China
39. **(ICACT 2012)** The 14<sup>th</sup> International Conference on Advance Communication Technology- Korea
40. **(ICACT 2013)** The 15<sup>th</sup> International Conference on Advance Communication Technology- Korea
41. **(ICACT 2014)** The 16<sup>th</sup> International Conference on Advance Communication Technology- Korea
42. **(ICACT 2015)** The 17<sup>th</sup> International Conference on Advance Communication Technology- Korea
43. **(PECON 2012)** IEEE International Power and Energy Conference - Malaysia
44. **(ICOS 2012)** IEEE Conference of Open System – Malaysia
45. **(ISBEIA 2012)** IEEE Symposium on Business, Engineering & Industrial Applications -Malaysia
46. **(IS3e 2012)** IEEE Symposium on E-Learning, E-Management and E-Services- Malaysia
47. **(ISWTA 2012)** IEEE Symposium on Wireless Technology and Applications - Malaysia
48. **(ISCAIE 2012)** IEEE Symposium on Computer Applications and Industrial Electronics – Malaysia
49. **PC member** ICIEECT 2017
50. **PC member** ICRAECT 2017
51. **PC member** ICGCET'16
52. **PC member** CCODE 2017
53. **PC member** INMIC2014
54. **PC member** (Computer Systems) RTCSE-2017
55. And many more.....

## Professional Membership (E. Membership)

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1. **(PEC)** Pakistan Engineering Council -PAKISTAN
2. **(IEEE)** Institute of Electrical and Electronic Engineers –USA
3. **(ISOC)** Internet Society – (260938) – USA
4. **(ISOC)** Internet Society –MALAYSIA CHAPTER (260994) –MALAYSIA

5. **(ISOC)** Internet Society –ARGENTINA CHAPTER (261750) –ARGENTINA
6. **(RG)** Research Gate Scientific Network of Researcher –USA
7. **PTA** Expert Group Government of Pakistan -PAKISTAN
8. **(IACSIT)** International Association of Computer Science & Information Technology Singapore

## Keynote Speaker/Technical Talks (F. Expert Sessions)

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1. **Keynote Speaker** at 6<sup>th</sup> International Conference on Computational Intelligence in Data Mining ICCIDM 2021 (<http://iccidm.in/keynote.html>) December 11-12, 2021
2. **Invited Expert Talk** at IEEE Student Chapter Chandigarh University October 23, 2021
3. **Invited Expert Talk** Conclave, Industry and Acadia for Engineers Day 2021, Chandigarh University, September 15, 2021
4. **Keynote Speaker/Invited Expert Talk** at International Conference on Information Technology Education ICITE 2021 (<https://icite.psite.org/project/index>) October 27-28, 2021
5. **Keynote Speaker** at Third International Conference on Computing, Communication, and Cybersecurity (IC4S-2021), (<http://ic4s.co.in/ic4s-2021/keynote.php>) October 30-31, 2021
6. **Keynote Speaker** at In Codec The First International Conference on Demographic and Civil Registration: Cybersecurity Challenges on Population Data Security, Demographic Behaviour and Transformation in the Openness Eray, (<https://incodec.uns.ac.id/>) November 13, 2021
7. **Keynote Speaker** at Internal Webinar “The Challenges of Economic Law in the Disruption Era”, Faculty of Law Universitas Sebelas Maret, November 12, 2021.
8. **Keynote Speaker** at International Conference on SpacSec '21 1st International Conference on Cyber Warfare, Security & Space Research (<https://www.spacsec.com/speakers>) December 09-10, 2021
9. **Keynote Speaker** at International Conference on Wireless Communications, Networking and Applications, WCNA2021, (<http://www.wcna2021.org/speakers.html>) December 2021, Berlin, **Germany**.
10. **Keynote Speaker** at 3<sup>rd</sup> International Conference on Computational Intelligence in Pattern recognition (CIPR) ([www.cipr.in](http://www.cipr.in)) on 24th & 25th April 2021, at IEM, Kolkata. **India**
11. **Keynote Speaker** at 3<sup>rd</sup> IEEE, International Conference of Computer Science and Allied Technologies ICCSAT December 2020 (ICCSAT 2020), Lahore, **Pakistan**.
12. **Keynote Speaker** at 5<sup>th</sup> IEEE, International Conference on Information Technology and Digital Applications (ICITDA 2020), **Indonesia**
13. **Keynote Speaker** at 1<sup>st</sup> International Conference on Mathematical Modeling and Computational Science (ICMMCS 2020), **Thailand**.
14. **Invited Speaker** at Dr B R Ambedkar National Institute of Technology Jalandhar, September **2020, India**
15. **Keynote Speaker** at International Conference on Recent Trends in IoT and Blockchain ICRTIB, at GIET University Gunpur Odisha, India, proceedings with Springer, **2019**.
16. **Keynote Speaker** at International Conference on Technology Innovations and Data Sciences (ICTIDS-2019) at Lincoln University College, Malaysia, proceedings with Springer, **2019**.
17. **Keynote Speaker** at 5<sup>th</sup> International Conference on Green Computing and Engineering Technologies (ICGCET 2019), in Morocco, **2019**.
18. **Keynote Speaker** at IEEE International Conference on Innovation in Electrical Engineering and Computational Technologies, **2017**.
19. **Intellectual Property** at King Faisal University, **Saudi Arabia**.
20. **Internet of Things (IoT) and its applications** at King Faisal University, **Saudi Arabia**
21. **Motion Gestures using Kinetic Sensor** at King Faisal University, **Saudi Arabia**.

## External PhD/Master Examiner/Evaluator (F. External Examiner)

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1. PhD Thesis Evaluation/Examiner University of South Africa, 2020, **South Africa**
2. MS/PhD Thesis Evaluation Examiner Botho University, **Botswana**
3. PhD Thesis Evaluation/Examiner Gujarat Technological University, 2020, **India**
4. PhD Thesis Evaluation Examiner Pir Mahar Ali Shah Institute, Barani University, 2020, **Pakistan**
5. PhD Thesis Evaluation Examiner University of Vales, 2019, 2022, **India**
6. PhD Thesis Evaluation Bharathiar University India, 2019, **India**
7. PhD Thesis Evaluation Sathyabama University, 2019, **India**
8. MS Thesis Evaluation from Flinders University, 2016, **Australia**
9. PhD Thesis Evaluation Sunway University, Malaysia 2021-22 **Malaysia**
10. PhD Thesis Evaluation Vels Institute of Science, Technology & Advanced Studies (VISTAS), 2021 **India**
11. PhD Thesis Evaluation University of Madras, 2021- 22 **India**
12. PhD Thesis Evaluation Visvesvaraya Technological University, 2021-22 Karnataka **India**
13. PhD Thesis Evaluation Noorul Islam Centre for Higher Education, 2021-22 Tamil Nadu **India**
14. PhD Thesis Evaluation Taylor's University, Malaysia 2021-22 **Malaysia**

## **Academic Promotion Evaluator (G. Academic Promotion Committee)**

---

1. Academic Promotion Evaluator/ Committee member, University of Jeddah, **Saudi Arabia**
2. Academic Promotion Evaluator/ Committee member, Gulf College of **Sultanate Oman**
3. National Research and Development Agency (ANID by its acronym in Spanish), 2021 to 2022, **Spain**

## **Research Awards (H. Awards)**

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1. World's top 2% scientist by the Standford University for the year 2022
2. Outstanding Associate Editor, IEEE ACCESS, (2020),  
<https://ieeaccess.ieee.org/editorial-leadership/outstanding-associate-editors/>
3. Top reviewer award globally among 1% by Web of Science (WoS)/ISI, 2019.
4. Nominated/Selected Cybersecurity specialist by Taylor's University for Taylor's Case Study, Dec 2020  
(<https://bit.ly/3nW3Vxz>)

## **Research Interest**

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Cyber Security, Internet of Things, Wireless Security Wireless Sensor Networks (WSNs), WBAN, IoT, Cloud Computing, Mobile Applications, Ad hoc Networks, Mobile Computing, Software Engineering.

## **Courses Taught**

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1. Wireless Network Security
2. Kali Linux for Security Courses
3. Secure Software Systems
4. Research Methodology
5. Computer Network Security
6. New Trends in Computer Networks



7. Python for Data Science
8. Mobile Application Programming (Android Based)
9. Introduction to Cloud Computing
10. Mobile Computing
11. Mobile Application Development
12. Research Methodology
13. Advance Programming Languages (.Net Framework (ASP.Net))
14. Data Mining
15. Software Engineering
16. Web Based Systems
17. Object Oriented Programming
18. Fundamental Programming
19. Data Structure
20. Operating System
21. Introduction to Networking
22. Project Proposal
23. Project Implementation
24. Technical Reports
25. Professional Responsibilities
26. MIS

## Personal Information

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## References

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