

Dr. Fahad Iqbal

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CAREER OBJECTIVE

To pursue a career which would enrich my life experience and where my skills can be nurtured and utilized.

PROFESSIONAL QUALIFICATION

- 1] Ph.D. (Electrical Engineering) 2020**
Jamia Millia Islamia (Central University), New Delhi, India
Supervisor: Prof. Anwar Shahzad Siddiqui (EED, Jamia Millia Islamia, New Delhi)
- 2] Master of Technology (Electrical Power System Management) 2014**
Jamia Millia Islamia (Central University), New Delhi, India
Gold Medalist, First Position, Topper of all semesters
CGPA – 9.35/10
- 3] Bachelor of Engineering (Electrical and Electronics) 2011**
Integral University, Lucknow, U.P., India
Silver Medalist, Second Position
Percentage – 75.88%

FELLOWSHIPS

- 1] Maulana Azad National Fellowship (MANF)** for Doctoral Research.
- 2] AICTE- GATE scholarship** for M. Tech.

RESEARCH EXPERIENCE/ PROJECT WORK/ TRAINING

- 1] Research Fellow at Centre of Advanced Research in Electrified Transportation (CARET), AMU (Central University), Aligarh, U.P, India**

2] Ph.D. Thesis

“Analysis and Optimization of Smart Microgrid.”

- To enhance the understanding of microgrid operation for addressing rapid growing power demand.
- Techno economic and feasibility analysis for a small scale microgrid.
- Reliability analysis for determining optimal configuration of a microgrid using Markov approach.
- Employing DSTATCOM and DG for voltage profile improvement and power loss reduction in a microgrid.
- Economical power procurement strategy of a microgrid for typical Indian scenario.

3] Summer Internship with Indian Energy Exchange (IEX), New Delhi.

“Integration of Solar PV based Microgrid in Indian Power Market.”

4] M. Tech. Dissertation

“Optimal Placement of Series FACTS Device in Deregulated Power System.”

5] B. Tech. Project

“Self-Sustaining Wind and Solar Hybrid Street Light.”

6] Industrial Training at NTPC Dadri, U.P.

“Control and Maintenance of various divisions of Thermal and Gas Power Plant.”

TEACHING EXPERIENCE

Head & Assistant Professor

Department of Electrical Engineering, Maulana Mukhtar Ahmad Nadvi
Technical Campus (MMANTC), Mansoor Campus, Maharashtra, India

March 2021-

Till Now

Taught following subjects to B.Tech. (Electrical) students:

- Control System Engineering
- Power System Operations & Control
- Power Generation Technologies
- Power System-I
- Switchgear and Protection
- Material Science

PUBLICATIONS

Peer Reviewed Research

- 1] **Fahad Iqbal**, Mohd Tauseef Khan and Anwar Shahzad Siddiqui, "Optimal placement of DG and DSTATCOM for loss reduction and voltage profile improvement," in *Alexandria Engineering Journal (Elsevier Publishers)*, vol. 57, no. 2, pp. 755-765, 2018. **(SCI, I.F. 3.696)**
- 2] **Fahd Iqbal** and Anwar Shahzad Siddiqui, "Optimal configuration analysis for a campus microgrid—a case study," in *Protection and Control of Modern Power Systems Journal (Springer Publishers)*, vol. 2, no. 23, pp. 1-12, 2017. **(Scopus Indexed)**
- 3] **Fahad Iqbal**, Anwar Shahzad Siddiqui and Tanmoy Deb, "Study of xEV Charging Infrastructure and the Role of Microgrid and Smart Grid in its Development," in *Smart Science Journal (Taylor & Francis Publishers)*, vol. 5, no. 2, pp. 61-74, 2017. **(ESCI, Scopus Indexed)**
- 4] Ankur Singh Rana, **Fahad Iqbal**, Anwar Shahzad Siddiqui and Mini Shahji Thomas, "Hybrid methodology to analyse reliability and techno-economic evaluation of microgrid configurations," in *IET Generation, Transmission & Distribution*, vol. 13, no. 21, pp. 4778-4787, 2019. **(SCI, I.F. 3.229)**
- 5] **Fahd Iqbal**, Anwar Shahzad Siddiqui, et al., "Power Systems Reliability- A Bibliographical Survey," in *Smart Science Journal (Taylor & Francis Publishers)*, vol. 6, no. 1, pp. 80-93, 2017. **(ESCI, Scopus Indexed)**
- 6] Anwar Shahzad Siddiqui, Mohd Tauseef Khan and **Fahad Iqbal**, "Determination of Optimal Location of TCSC and STATCOM for Congestion Management in Deregulated Power System," in *International Journal of Systems Assurance Engineering and Management Journal (Springer Publishers)*, vol. 8, no. 1, pp. 110-117, 2017. **(Scopus Indexed)**

CONFERENCE PROCEEDINGS & BOOK CHAPTERS

- 7] A. B. Afzal, **F. Iqbal**, Y. Rafat and A. B. Afzal, "Design and Optimization of a Campus Microgrid using the HOMER Simulator," *2023 IEEE International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies (REEDCON)*, New Delhi, India, 2023, pp. 577-582.
- 8] **Fahad Iqbal**, et al., "Design and Analysis of a Cost-Effective Standalone Solar Diesel Hybrid Power System" *Handbook of Research on Power and Energy System Optimization (IGI Global Publishers)*, pp. 552-570, 2018. **(Indexed by Web of Science's Book Citation Index)**

- 9] Anwar Shahzad Siddiqui, Mohd Tauseef Khan and Fahad Iqbal, "A novel approach to determine optimal location of TCSC for congestion management," 2014 6th **IEEE Power India International Conference (PIICON)**, Delhi, 2014, pp. 1-6.
- 10] Mohd Tauseef Khan, Anwar Shahzad Siddiqui, Mohd Sarwar and **Fahad Iqbal**, "Mitigation of Market Power in deregulated power system using Nash Equilibrium," presented at **12th IEEE India International Conference (INDICON-2015)**, New Delhi, 2015, pp. 1-5.
- 11] Anwar Shahzad Siddiqui, Tanmoy Deb and **Fahad Iqbal**, "Optimal location of FACTS device using meta heuristic search algorithm," presented at **12th IEEE India International Conference (INDICON-2015)**, New Delhi, 2015, pp. 1-4.
- 12] Anwar Shahzad Siddiqui, Mohd Tauseef Khan, **Fahad Iqbal**, "Power System Congestion Management using UPFC" Emerging Trends in Electrical and Electronics Engineering, Vol. II 01/2015; pages 230-235; **Excel India Publishers**, ISBN: 978-93-84869-25-0.
- 13] Anwar Shahzad Siddiqui, Tanmoy Deb, **Fahad Iqbal**, "Optimal Placement of TCSC for Congestion Management Using Gravitational Search Algorithm" Emerging Trends in Electrical and Electronics Engineering, Vol. II 01/2015: pages 230-235; **Excel India Publishers**, ISBN: 978-93-84869-25-0.
- 14] Successfully presented a paper on "A Review of the Economical and Environmentally Friendly Approaches to the cost-effective Hybrid Street Lighting System" in the **International Conference on Science, Technology and Sustainability** held during 5th-6th November 2022.

PROFESSIONAL INVOLVEMENTS

- 1] Appointed as **Head of the Department, Department of Electrical Engineering**, Maulana Mukhtar Ahmad Nadvi Technical Campus (MMANTC), Jamia Mohammediya Education Society, Mansoor, Malegaon, Maharashtra
- 2] Appointed as the **Coordinator** of the **National Assessment and Accreditation Council (NAAC)**, Maulana Mukhtar Ahmad Nadvi Technical Campus (MMANTC), Jamia Mohammediya Education Society, Mansoor, Malegaon, Maharashtra.
- 3] Appointed as a member of the **Internal Quality Assurance Cell (IQAC)**, Maulana Mukhtar Ahmad Nadvi Technical Campus (MMANTC), Maharashtra
- 4] Nominated as a **Convener of the Institution's Innovation Council**, Maulana Mukhtar Ahmad Nadvi Technical Campus, Jamia Mohammadi Education Society, Mumbai.
- 5] Appointed as the "**NAAC Criterion 5 Incharge: Student Support and Progression**" of the **National Assessment and Accreditation Council (NAAC)**, Maulana Mukhtar Ahmad Nadvi Technical Campus (MMANTC), Jamia Mohammediya Education Society,

Mansoor, Malegaon, Maharashtra.

- 6] Nominated as a **Member of the Anti-Ragging Committee** for maintaining a safe secure environment in the hostel and institute.
- 7] Appointed as a member of the **Discipline Committee**, Maulana Mukhtar Ahmad Nadvi Technical Campus (MMANTC), Maharashtra
- 8] Appointed as a member of the **Grievance Redressal Committee**, Maulana Mukhtar Ahmad Nadvi Technical Campus (MMANTC), Maharashtra
- 9] Appointed as a member of the **Anti-Sexual Harassment Committee**, Maulana Mukhtar Ahmad Nadvi Technical Campus (MMANTC), Maharashtra
- 10] Appointed as the Incharge of the **"NAAC Criterion 5 – Student Support and Progression"** by the governing bodies of the MMANTC, Maharashtra.
- 11] Appointed as a member of the **Women's Grievance Redressal Committee**, Maulana Mukhtar Ahmad Nadvi Technical Campus (MMANTC), Maharashtra
- 12] Certified SIEMENS Trainee of the modules "Power Switchgear", "Basic Power Drive" of **SIEMENS-Centre of Excellence**, MMANTC, Maharashtra
- 13] **Course Coordinator** of a **"Job Oriented English Course"** Job Oriented Course on English Speaking & Writing Skills held from 27th August to 03rd September 2022 organized by the MMANTC, JMES-Mumbai, Maharashtra.
- 14] **Course Coordinator** of a **"Two-Weeks Short-Term Training Program Cum Course on Logical Reasoning and Aptitude"** held from 21st March to 02nd April 2022 organized by the Department of Electrical Engineering, MMANTC, Maharashtra.
- 15] Acted as a **Program Coordinator** of a **"PROTECHNICA-2023", A Technical Project Competition** organized by the MMANTC, Maharashtra held on 20 May 2023
- 16] **Organizing Secretary** of **Typhoon HIL Dissertation Awards (THILDA-2021)** organized by the Department of Electrical Engineering, MMANTC, Maharashtra, held on 10th to 12th April 2021.
- 17] Acted as a **Session Chair** in the **International Conference on Science, Technology and Sustainability (ICSTS-2022)** held on 05th to 06th November 2022, organized by the Maulana Mukhtar Ahmad Nadvi Technical Campus, Malegaon, Nashik (Maharashtra) India
- 18] Acted as a **Review Committee Member** in the **International Conference on Science, Technology and Sustainability (ICSTS-2022)** held on 05th to 06th November 2022, organized by the Maulana Mukhtar Ahmad Nadvi Technical Campus, Malegaon, Nashik (Maharashtra) India
- 19] Acted as a **Convener** in a webinar on the topic of **"Role of Power Electronics for Sustainable Energy"** Organized by the Department of Electrical Engineering, MMANTC, held on 13th September 2022 from 11:30 am to 12:30 pm.
- 20] Acted as a **Convener** in a webinar on the topic of **"Role of Information and**

- Communication Technology (ICT) in Bringing Smart grid to Reality"** Organized by the Department of Electrical Engineering, MMANTC, held on 11th Dec.
- 21] Acted as a **Convenor** in a **"2020-21 Electrical Engineering Academic Excellence Award Ceremony"** organized by the Department of Electrical Engineering, MMANTC, Maharashtra, held on 30th August 2021.
 - 22] Acted as a **Program In-charge** in a webinar on the topic of **"Transmission Management in Deregulated Power System"** conducted by the Department of Electrical Engineering, MMANTC, Maharashtra, held on 30th June 2021.
 - 23] **Core team member** of **'12th IEEE India International Conference (INDICON-2015)'** organized by Jamia Millia Islamia (Central University), New Delhi on 17-20 December 2015.
 - 24] **Organizing Committee member** of **'EV BOOT CAMP (Industry Oriented Workshop Conducted by Industry Experts on Advances in Automobile Engineering & Electric, Hybrid and Plug-in Hybrid Electric Vehicles)'** organized by AMU (Central University), Aligarh, held during 26th Feb. – 02nd March 2016.
 - 25] **Student Coordinator** of **'National Conference on Emerging Trends in Electrical and Electronics Engineering'** organized by Jamia Millia Islamia (Central University), New Delhi on 2-3 February 2015.
 - 26] **Session Coordinator** in the **'National Conference on Emerging Trends in Electrical and Electronics Engineering'** organized by Jamia Millia Islamia (Central University), New Delhi on 2-3 February 2015.
 - 27] **Organizing Team Member** in the **MHRD GIAN course on 'Controls for Renewable Energy and Microgrids'** 'organized by Jamia Millia Islamia (Central University), New Delhi held during May 29-June 3, 2016.
 - 28] **Organizing Team Member** in the **MHRD GIAN course on 'Role of Smart Building Energy Management Systems in the Development of Smart City'** 'organized by Jamia Millia Islamia (Central University), New Delhi held during March 06-March 10, 2018.

MERITS AND PARTICIPATION

- 1] Secured **First Position (Gold Medal)** in M. Tech. (Electrical Power System Management).
- 2] **Topper** in all the semesters of M. Tech. (Electrical Power System Management).
- 3] Secured **Second Position (Silver Medal)** in the B. Tech. (Electrical & Electronics Engineering).
- 4] **Shortlisted** in prestigious **Maulana Azad National Fellowship (MANF)** for **Doctoral Research**.

- 5] **Selected in AICTE- GATE scholarship for M. Tech.**
- 6] **Selected** for SSB Interview of **INDIAN NAVY** in the Batch S-47242, Coimbatore.
- 7] **Achieved a milestone of 260+ Citations**
- 8] Successfully participated in National Level and obtained good score on “**A Quiz on Azadi ke 75 Years**” organized by the Department of Mechanical Engineering in association with The Triz Student Chapter, Guru Gobind Singh College of Engineering & Research Centre, Nashik held on 14th August 2022.
- 9] Qualified **GATE 2012.**
- 10] Participated in **CHES** in **Annual Sports Meet** and placed **WINNER** in the session 2010-11 organized by Integral University, Lucknow.
- 11] Secured **Second Prize** in **Maths Prize Winning Test** in the session 1997-98 organized by Iqra Public School, Aligarh.
- 12] Participated in **GENERAL QUIZ** in FIESTA-2009.
- 13] Participated in **RASHTRAGAAN**, an initiative by the **Ministry of Culture** to mark **Azadi Ka Amrit Mahotsav** released on 15th August 2021.
- 14] Worked as a **Member of Showcase Team** for FIESTA-2009.
- 15] Declared **Second in AD Making** during FIESTA-2009.
- 16] Worked as a **Hospitality Member** for FIESTA-2009.
- 17] Participated in **Minto Tarana** (Co-Curricular Activities) during the session 2003-04 at Syedna Tahir Saifuddin High School (Minto Circle), AMU, Aligarh.
- 18] Awarded **Certificate of Appreciation** in recognition of significant contribution to the successful organization of the **MHRD GIAN course** on “**Role of Smart Building Energy Management Systems in the Development of Smart City**” organized by Department of Electrical Engineering, Jamia Millia Islamia, New Delhi, held during March 06th -10th, 2018.
- 19] Awarded **Certificate of Appreciation** in recognition of significant contribution to the successful organization of the **MHRD GIAN course** on “**Controls for Renewable Energy and Microgrids**” organized by Department of Electrical Engineering, Jamia Millia Islamia, New Delhi, held during May 29th – June 3rd, 2016.

Expert Lectures and Sessions

- 1] Delivered an **expert lecture** on the topic of “**Outcome Based Education: CO-PO Mapping and attainment**” held on 19th January 2023 organized by the Department of Electrical Engineering, Maulana Mukhtar Ahmad Nadvi Technical Campus, Maharashtra
- 2] Delivered an **expert lecture** on the topic of “**NAAC Criterion 5: Student Support and**

- Progression"** held on 16th January 2023 organized by the Maulana Mukhtar Ahmad Nadvi Technical Campus, Maharashtra
- 3] Delivered an **expert lecture** on the topic of **Personality Development & Recreation** held on 06.03.2023 from 10.00 am to 01.00 pm at organized by the Mohammadia Tibbiya College & Assayer Hospital, Maharashtra.
 - 4] Awarded **Certificate of Appreciation for delivering lectures** during the **"Two-Weeks Short-Term Training Program Cum Course on Logical Reasoning and Aptitude"** as a **resource person** held from 21st March to 02nd April 2022 organized by the Department of Electrical Engineering, MMANTC, Maharashtra.
 - 5] Awarded **Certificate of Appreciation for delivering lectures** during the **"Job Oriented English Course"** as a **resource person** held from 27th August to 03rd September 2022 organized by the Department of Electrical Engineering, MMANTC, Maharashtra.
 - 6] Delivered an **expert lecture** on the topic of **"Renewable Energy for Sustainable Development in India"** as a **keynote speaker** in a workshop on "Importance of Technical Education" held on 09th Jan 2022 organized by the Maulana Mukhtar Ahmad Nadvi Technical Campus, Mansoor Campus, Maharashtra.
 - 7] Delivered an **expert lecture** on the topic of **"Top Skills and Attributes Required for Industrial Jobs"** as a **keynote speaker** on 27th Nov 2021 organized by the Department of Electrical Engineering, MMANTC, Mansoor Campus, Maharashtra.
 - 8] Awarded with **Letter for Appreciation** for Informative and Descriptive Presentation as a **resource person** in online session on topic **"Logical Reasoning and Aptitude"** on 16th March 2022 at KBH Law College, Malegaon, Dist. Nashik, Maharashtra.
 - 9] Delivered an expert lecture on the topic of "Are Engineers Better Entrepreneurs and Innovators?" on 15th September 2022 organized by the MMANTC, Maharashtra.

Faculty Development Programmes & GIAN Courses

- 1] Participated and successfully completed The **Five Days Online Faculty Development Programme** on the theme **Inculcating Universal Human Values in Technical Education** organized by **All India Council for Technical Education (AICTE)** from 30 January to 03 February 2023.
- 2] Participated in a Three-Day **Faculty Development Program** on **"Optimization Techniques for Engineering Applications"** organized by the Department of Electrical Engineering of Guru Gobind Singh College of Engineering & Research Centre, Nashik from 28th March to 30th March, 2023
- 3] Participated and successfully completed **Six Days online Interdisciplinary Faculty Development Programme** on **Innovative Practices in Higher Education and Research** in

collaboration with AMU Malappuram Centre, (Kerala) from 02 to 07 January 2023 organized by the **UGC Human Resource Development Centre**, Aligarh Muslim University, Aligarh.

- 4] Participated and successfully completed **One Week Online Short-Term Course** on "**Advance control of Standalone Energy Systems**" organized by the Department of Electrical Engineering, NIT Srinagar from 13th to 17th June 2022.
- 5] Successfully participated in 01 Days Faculty Development Program On "**FDP on Microgrid System Design & Simulation using HOMER Pro & HOMER Grid Software**" of HOMER Energy by UL, USA in association with M/s DELLSOFT Technologies Pvt. Ltd. New Delhi held on 17th August 2022.
- 6] Successfully participated in 01 Days Faculty Development Program On "**FDP on Power System Design & Analysis using DigSILENT Power Factory Software**" of DigSILENT GmbH, Germany in association with M/s DELLSOFT Technologies Pvt. Ltd. New Delhi held on 22nd August 2022.
- 7] Successfully participated in 01 Days Faculty Development Program On "**FDP on Automation System Design & Simulation using Automation Studio Software**" of M/s Famic Technologies Inc., Canada in association with M/s DELLSOFT Technologies Pvt. Ltd. New Delhi held on 19th August 2022.
- 8] Participated & completed successfully AICTE Training and Learning (ATAL) Academy **Online Elementary FDP** on "**Fundamentals of Electric Vehicle Technology**" from 06/12/2021 to 10/12/2021 at IIT Bhagalpur.
- 9] Attended **One Week National Level Faculty Development Program** on "**Renewable Energy for Sustainable Development**" from 01st to 05th March-2022 organized by Bharatratna Indira Gandhi College of Engineering, Solapur.
- 10] Participated & completed Successfully the online **Faculty Development Programme** on "**Renewable Energy and Power Electronics for Industrial Drive Application**" organized by the Department of Electrical Engineering, Rajiv Gandhi Institute of Technology, Kottayam (sponsored by **All India Council for Technical Education, Government of India**) from 15th to 21st of April 2021.
- 11] Participated in the **AICTE Recognized Faculty Development Programme** on "**Electric Vehicle Technology**" from 14-02-2022 to 18-02-2022 conducted by Electrical Engineering Department, National Institute of Technical Teachers Training and Research, Chandigarh
- 12] Participated & completed Successfully the One Week (Online) **Short Term Training Programme (STTP)** on '**Role of Energy Management Systems in Smart Grid**' Organized by the Department of Electrical Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia during 7-12 June 2021.
- 13] Participated in **AICTE recognized Short Term Course** on "**Disaster Management and**

- Sustainable Development through ICT"** from 07-03-2022 to 11-03-2022 conducted by National Institute of Technical Teachers Training and Research, Chandigarh
- 14] Participated in **AICTE recognized Short Term Course** on "**Innovative Technologies Application through Unnat Bharat Abhiyan through ICT**" from 21-03-2022 to 25-03-2022 conducted by National Institute of Technical Teachers Training and Research, Chandigarh
 - 15] Participated & completed successfully the **AICTE Training and Learning (ATAL) Academy** Online Elementary **Faculty Development Programme** on "**Smart Grid – Key to a sustainable Future**" from 2021-06-28 to 2021-07-02 at Dr. S.& S. S. Ghandhy Government Engineering College, Surat.
 - 16] Participated & completed successfully the **MHRD GIAN Course** on "**Advances in Power Electronics and Renewable Energy Sources**" organized by Department of Electrical Engineering, Jamia Millia Islamia, New Delhi, during February 06th -10th, 2017.
 - 17] Participated & completed successfully the **MHRD GIAN Course** on "**Recent Trends in Power System Reliability Evaluation: Models, Statistical Methods and Applications**" organized by Department of Electrical Engineering, Delhi Technological University, Delhi, during October 09th -13th, 2017.
 - 18] Participated & completed successfully the **MHRD GIAN Course** on "**Controls for Renewable Energy and Microgrids**" organized by Department of Electrical Engineering, Jamia Millia Islamia, New Delhi, held during May 29th -June 03rd, 2016.
 - 19] Participated & completed successfully the **MHRD GIAN Course** on "**Role of Smart Building Energy Management Systems in the Development of Smart City**" organized by Department of Electrical Engineering, Jamia Millia Islamia, New Delhi, held during March 06th -10th, 2018.

Conferences/ Workshops/ Lectures/Seminar Attended

- 1] Participated in Online Workshop on **NEP-2020 Implementation Plan under the component Technology use and Integration** conducted by the UGC-Human Resource Development Centre, Savitribai Phule Pune University, Pune on 08/02/2023 under the UGC scheme.
- 2] Successfully participated in **IP Awareness/Training program** under **NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION** on March 03,2023 organized by **Intellectual Property Office, India**
- 3] Successfully completed **One-Day Workshop** on **Solar Energy/Technology** on 25th September 2022 conducted by the Training Center for Excellence, Copper Track Industries, Nashik, Maharashtra.
- 4] Successfully participated in **IP Awareness/Training Program** under **NATIONAL**

INTELLECTUAL PROPERTY AWARENESS MISSION on October 18, 2022, organized by Intellectual Property Office.

- 5] Attended and participated in the International Conference on “**International Conference on Science, Technology and Sustainability, ICSTS-2022**” organized by Maulana Mukhtar Ahmad Nadvi Technical Campus held during 05-06 November 2022
- 6] Participated in the **International Conference** on “Geoinformatics for Biodiversity Conservation Planning” organized by Suresh Gyan Vihar University held on 14-10-2022
- 7] Participated in the **Regional Meet** organized by **Institution’s Innovation Council, MoE’s Innovation Cell** held on 01st August 2022 at Symbiosis International University, Pune.
- 8] Completed **3 Day Online National Workshop on Digital Tools for Quality Education** Conducted on 16th, 17th & 18th November 2021, organized by Department of Education, Aligarh Muslim University, Malappuram Centre (AMUMC), Kerala.
- 9] Successfully completed the **SIEMENS Training** on “Process Instrumentation” scheduled from 17-09-2021 to 18-09-2021 at SIEMENS Centre of Excellence, Maulana Mukhtar Ahmad Nadvi Technical Campus, Nashik, Maharashtra.
- 10] Attended the Online **Workshop** on “**Patent Filing, Technology Transfer and Commercialization**” held on September 18, 2021, organized by the Intellectual Property Cell, AMU Aligarh.
- 11] Attended **Half-Day Workshop on Electric Vehicle Integration-Impact and Challenges** which was held on March 1st, 2022, at Qatar University.
- 12] Participated in the **First International Guest Lecture** on “**Advances on High Power, Energy Density Materials for Electric Vehicles**” held on 01 Feb 2022 at Amity University, Noida, Uttar Pradesh.
- 13] Participated in the **Third International Guest Lecture** on “**Grid Modernization: Technological Advancement Beyond Smart Grid**” held on 17 Feb 2022 at Amity University, Noida, Uttar Pradesh.
- 14] Participated in **National Conference** on ‘Emerging Trends in Electrical and Electronics Engineering’ in 2015.
- 15] Participated in ‘**12th IEEE India International Conference (INDICON-2015)**’ during 17th - 20th December 2015 at Jamia Millia Islamia, New Delhi, India.
- 16] Attended an educational tour to **Larsen & Toubro**, Lucknow, Uttar Pradesh, India.
- 17] Completed one-month **Industrial Training Program at NTPC-Dadri**, from 20-06-2010 to 20-07-2010.
- 18] Attended “**Science Academies’ Lecture Workshop on Nanoscience and Nanotechnology**” organized by the Department of Chemistry, Jamia Millia Islamia, New Delhi during March 1-2, 2013.
- 19] Attended **workshop** on “**Real Time Digital Simulator (RTDS)**” held at **Indian Institute**

- of Technology (IIT) Kanpur**, April 3-4, 2015.
- 20] Participated in the **Science Communication Workshop** held on 23rd July 2015 at Jamia Millia Islamia, New Delhi.
 - 21] Attended **Author Workshop** on “**How to Write and Publish Scholarly Articles**” jointly organized by Dr. Zakir Husain Library, JMI & Springer Nature on 24th August 2017.
 - 22] Attended Guest Lecture on **Vehicle Electrification: Challenges and Opportunities** by **Dr. Ahmad Arshan Khan (Senior Engineer - Ford Motor Company)**, 04-Feb 2016.
 - 23] Attended **EV BOOT CAMP (Industry Oriented Workshop Conducted by Industry Experts on Advances in Automobile Engineering & Electric, Hybrid and Plug-in Hybrid Electric Vehicles)** held during 26th Feb. – 02nd March 2016 at AMU, Aligarh, India.
 - 24] Attended **workshop** on “**Smart Microgrids**” organized by Department of Electrical Engineering held at **Indian Institute of Technology (IIT) Kanpur**, during April 08th - 10th, 2016.
 - 25] Attended three days **International Webinar** on “**Significance of Personal Branding in Pandemic Scenario**” organized by Aligarh College of Engineering and Management, Aligarh College of Education, Aligarh (UP), India, held from 28 July 2020 to 30 July 2020.
 - 26] Successfully Completed Online Programme on “**Technostress Involved In work From Home Mode**” organized by Al-Barkat Institute of Education, Aligarh (UP), India, held from 11th June 2020 to 14th June 2020.
 - 27] Attended **International Webinar** on “**Endurance through ICT during Pandemic: Prospects and Issues**” organized by Aligarh College of Education, Aligarh (UP), India, held from 26th June 2020 to 01st July 2020.
 - 28] Participated and Qualified in **Online Quiz in Geology** Conducted by Department of Geology, Hindu College, Guntur during September 2020.
 - 29] Certificate is awarded for accepting the challenge, to promote safety against COVID-19.
 - 30] Attended **Webinar** on “**Sustainable Treatment Options for Liquid Waste Management**” organized by Department of Civil Engineering, PCCoE, Nigdi, Pune in association with Environment Conservation Association, Pune.
 - 31] Attended two days **Webinar** on “**Paths of Innovation: Technological Change in 21st Century in Pandemic Era**” organized by Aligarh College of Education, Aligarh (UP), India, held from 06th July 2020 to 07th July 2020.
 - 32] Attended **Online Webinar** on “**Biodegradable Face Mask & Environmental Sustainability: A Future Perspective**” organized by Malaysia One Health University Network (MyOHUN), held on 18th September 2020.

- 33] Participated in “**Online Human Life Skills Training webinar**” organized by Aligarh College of Education, Aligarh (UP), India, held from 08th June 2020 to 10th June 2020.
- 34] Participated in International Yoga Day and 2 Days International e-Conference on “**Latest Aspects of Yoga and Holistic Health: COVID:19 & Beyond**” organized by Institute of Yogic Science, Dr. Ram Manohar Lohia Avadh University, Ayodhya, U.P. (India), held on 21st June 2020 to 22nd June 2020.
- 35] Participated in the Two-Day National Webinar on “**National Education Policy 2020**” organized by the Research & Extension Committee of Department of Education, Aligarh Muslim University Centre, Malappuram, Kerala from 09th to 10th September 2020.
- 36] Undergone **summer internship** with **Indian Energy Exchange (IEX)**, New Delhi during the period 06th June 2016 to 25th July 2016 and successfully completed the assigned project “**Integration of Solar PV based Microgrid in Indian Power Market**”.

EDUCATIONAL QUALIFICATION

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|----|--|-------------|
| 1] | Senior Secondary School
Aligarh Muslim University (Central University), Aligarh, Uttar Pradesh, India
Percentage - 60.00% | 2007 |
| 2] | Secondary School
Aligarh Muslim University (Central University), Aligarh, Uttar Pradesh, India
Percentage - 68.40% | 2004 |

COMPUTER SKILLS

- 1] Languages: C, C++.Elementary Knowledge of C and MS Office
- 2] Operating System: Windows XP, vista, 7, 8 and 10.
- 3] Software's: Microsoft Word, Power Point, Excel and Photoshop.
- 4] Certifications: One-month course on C Programming in 2008 from SISS Computers Pvt. Ltd., Aligarh, U.P.
- 5] Can work on **PSCAD** Software.
- 6] Can work on **MATLAB** Software.
- 7] Can work on **PVSYST** Software.
- 8] Can work on **HOMER** Software.

PERSONAL DETAILS

Date of Birth	21 st March 1988
Passport No.	L8926283
Aadhaar No.	341453610864
Marital Status	Married
Languages Known	English, Hindi and Urdu
Mother's Name	Late Mrs. Tufail Fatima
Father's Name	Kuwar Jawaid Iqbal Khan
Permanent Address	4/422 M, Baitul Sharafat, Firdaus Nagar, Baraula Bypass Road, Aligarh, Uttar Pradesh-202001.
Nationality	Indian
Hobbies	Travelling, Playing Chess, Table Tennis
Strengths	<ul style="list-style-type: none">▪ Disciplined, hard-working, honest and positive attitude.▪ Enthusiastic and can produce results under deadline constraints and ability to easily get around with the people quickly and create a good working environment.

Date: 09-09-2023

Place: Malegaon, Maharashtra



Dr. Fahad Iqbal