

ALEEM SAFDAR

MECHATRONICS AND CONTROL ENGINEER

Mob: +92-322-6007038; Email: Aleemsafdar52@gmail.com; Skype: [aleemsafdar52](https://www.skype.com/user/aleemsafdar52) Driving License: PAK (valid)

OBJECTIVE

Seeking for a career opportunity to utilize my mechatronics trainings and skills and provide significant contribution to the success of my employer effectively. Willingness to work hard in a challenging environment with a purpose of growth, knowledge and creativity in order to achieve organizational goals.

PROFESSIONAL REGISTRATION / PROFESSIONAL CERTIFICATIONS

- Registered Engineer - Pakistan Engineering Council (Reg. No Mechatronics-721624)
- Member International Association of Engineers (Member ID. 213809)
- Received Internship Completion certificate from Nestle.
- Received Internship Completion certificate from Bestway Cement Chakwal.
- Received PLC Allen Bradley Training Course Certificate (Certificate No. 17006)
- Member Hong Kong society of mechanical engineers (Member ID. m20180424001)

EMPLOYMENT EXPERIENCE

Field Instrumentation Engineer – Flying Cement Company Ltd (6 Months)

- Carried out maintenance of Field instruments installed on different locations throughout plant
- Troubleshooted problems of Temperature Sensors including PT-100, Thermocouples(K-Type), Temperature gauges.
- Worked on Pressure Transmitters, Pressure switches, Pressure gauges. Field Actuators, Level sensors, Transducers.
- Carried out maintenance of cctv cameras(HIK Vision), Kiln and Cooler Camera(RO-vision), Shell Scanner.
- Carried out routine inspection of CO and O2 Gas Analyzers(Fuji Electric) on Kiln inlet, EP and FF Locations.

Internee Mechatronics Engineer – Nestle Pakistan Limited July, 16 - Aug, 16

- Co-Worked with Chemical Engineer and Led a team of 5 Persons.
- Coordinated with Nestle MCDD Department for project & inspections related activities.
- Carried out inspection and maintenance of Instruments on plant (temperature gauges and pressure safety valves)
- Prepared detailed report on electricity generation through Bio-gas plant.
- Presented final report and findings to head of MCDD Department and gave suggestions.
- Calculated demand and supply analysis of electricity and gas production at plant.
- Coordinated with Nestle inspection team for troubleshooting problems related to compressor section on plant.

Internee Mechanical Maintenance Engineer - Bestway Cement Ltd, Chakwal, Pakistan Jun, 15 - July, 15

- Took part in routine & non-routine mechanical jobs of cement mills area.
- Involved in maintenance of equipment including conveyor belts, bucket elevators, static separator, roller press, Induced draft/forced draft fans, dynamic separator (o-sepa), cement grinding ball mill.
- Implemented safety procedures during shut down or routine maintenance for safe work.
- Complied with environmental rules and regulations as per Bestway HSE standards.

DISTINCTIONS

- Received Certificate of Appreciation from Avastus Automation Services in 2018.
- Received 1st position in department project competition at UET Lahore (Fsd Campus) in 2016.
- Got 1nd position in SSC exams in school level.
- Got 2nd position in District sports competition in 100 m Race in 2012.

EDUCATION

B.Sc. (Mechatronics and Control Engineering)	University of Engineering and Technology Lahore	2017
--	--	------

PROJECTS ACCOMPLISHED

At UET Lahore (Final Year Project)

- Design of Ball on Plate balancing system using PID Control.
- Calculated P, I and D values for control system.
- Designed mechanical structure including Ball and socket joints, T-link, Platform and U-Links.

- Controlled mechanical design by 2 servo motors operated through Arduino.
- Calculated coordinates of 4-wire resistive touch screen through manual calibration on Arduino through serial communication.
- Troubleshooted problems faced in mechanical design, electrical system and programming.

At Avastus Control Solutions

- Design and control of Asphalt batching plant on PLC Allen Bradley SLC 500.
- Design of SCADA and HMI(Wintek).

At Flying Cement Company Limited

- Installation of level sensors on back filters.
- Installed temperature gauges on heat exchangers on cement mills.

TRAININGS / SEMINARS ATTENDED

- **PLC Allen Bradley** training at Avastus Automation Services, LHR.
- **Industrial Open House** at UET Lahore.

COMPUTER SKILLS / LANGUAGES

- MS Office, MS Outlook, RS Logix 500, RS View 32, EasyBuilderPro, AutoCAD, Solid Edge, Arduino.
- Fluent in English, Urdu.