

# OSAMA ANIS



## Personal Information

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| Email              | osama.anis19@hotmail.com   osamaanis@neduet.edu.pk |
| PEC Registration   | MECH/26055   |
| Birth date/- Place | 25.08.1990, Karachi, Pakistan                      |

## Work Experience

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| 11/20 – To date | <p><b>Lecturer – Mechanical Engineering Department</b><br/> <b>(NED University of Engineering and Technology, Karachi, Pakistan)</b></p>  |
| 01/20 – 11/20   | <p><b>Lecturer – Mechatronics Engineering Department</b><br/> <b>(PAF-Karachi Institute of Economics and Technology, Pakistan)</b></p> <ul style="list-style-type: none"> <li>- Teaching mechanical courses to graduate students: Machine Design, Materials and Manufacturing Processes, Mechatronics System Design, Engineering Drawing</li> <li>- Assist in faculty development program at the institute and student counseling</li> <li>- <b>Project Supervision:</b> Design of Laser Cutting machine</li> <li>- <b>Research Interest:</b> CAD/CAM, FEM, Materials</li> </ul>  |
| 10/17 - 03/18   | <p><b>Master Thesis – Design and Construction of Gravity Die Casting Machine</b><br/> <b>Thomson Neff GmbH – Nürtingen, Germany</b></p> <ul style="list-style-type: none"> <li>- Design of new Injection system with solenoid actuator</li> <li>- Design of Automatic opening/closing system of Die system</li> <li>- Selection of electrical components and defined feedback system of sensors in Machine</li> <li>- Develop CAD models, draft technical drawings, bill of material (BOM) using <b>Creo</b></li> </ul>   |
| 12/13 - 08/16   | <p><b>Assistant Manager ( Supply Chain Department – Vendor Procurement)</b><br/> <b>Atlas Honda Limited, Karachi , Pakistan</b></p> <ul style="list-style-type: none"> <li>- Material Requirement Planning (MRP), Monthly schedule generation to allocated vendors as per production demand through SAP (MM/PP)/B2B Portal.</li> <li>- Inventory Management and Planning for Stock at Vendor end, imported parts stock and WIP status</li> <li>- Preparing and updating bill of material (BOM) of different bike models in SAP</li> <li>- Preparation of yearly demand plan for in-house manufacturing parts</li> <li>- Performance of quality audit at vendor’s production facility to ensure good quality product</li> <li>- Cost calculation, negotiation and providing demand forecast to vendors for raw material procurement</li> <li>- Draft compliance report “QCDR (Quality, Cost, Delivery, Reliability)” to analyze the vendor performance</li> <li>- Coordination with vendors and Quality Assurance (QA) department for quality related issues and provide maximum support to eradicate the quality problems</li> <li>- Vendor selection by assessing vendor’s technical proposals and development capabilities.</li> <li>- Preparation of SQAM (Supplier Quality Assurance Manual) and IPP documents</li> </ul> |
| 02/15 – 03/16   | <p><b>Project – Vendor Improvement Program (Atlas Honda Limited)</b></p> <ul style="list-style-type: none"> <li>- Worked on Process capability, Lean Manufacturing, 5S and Kaizen with vendors</li> </ul>   |
| 01/13 - 12/13   | <p><b>Trainee Engineer (Service Department)</b><br/> <b>Allied Engineering &amp; Service Ltd , Karachi, Pakistan</b></p> <ul style="list-style-type: none"> <li>- Preventive maintenance, Overhauling &amp; Technical analysis of Caterpillar gas engines</li> <li>- Draft technical reports on maintenance site</li> </ul>   |

# Curriculum Vitae

## Education

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| 2016 - 2018 | <b>Master Degree (M.Eng) – Design And Development in Mechanical &amp; Automotive</b><br>Hochschule Esslingen – University of Applied Sciences, Esslingen, Germany<br>Final Grade: 2.30/1.0 |
| 2009 - 2012 | <b>Bachelor Degree (B.Eng) – Mechanical Engineering</b><br>NED University of Engineering and Technology, Karachi, Pakistan<br>Final Percentage: 70.11 %                                    |
| 2006 - 2008 | <b>Intermediate (HSC) – Pre Engineering</b><br>DJ Sindh Govt Science College, Karachi, Pakistan<br>Final Percentage: 79.73 %   |
| 2004 - 2006 | <b>Matriculation (SSC) – Science Group</b><br>Little Wood School, Karachi, Pakistan<br>Final Percentage: 82.70%  |

## Projects

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| 03/17 - 07/17 | <b>Hochschule Esslingen, University of Applied Sciences, Germany</b><br><b>Semester Project:</b> Performing LCA (Lifecycle assessment) and TCO (Total Cost ownership) analysis for two different second use application of Lithium ion batteries using <b>Gabi software</b> . (Provision of Primary Control, House storage system with PV)  |
| 06/12 - 12/12 | <b>NED University of Engineering &amp; Technology, Pakistan</b><br><b>Bachelor Final Project: Design of Catalytic Converter (CC) for gasoline cars</b> <ul style="list-style-type: none"><li>- Design of Honeycomb structure of CC to optimize its power</li><li>- Design of 2D/3D model of Honey comb structure of CC using <b>AutoCAD</b></li><li>- Pressure drop analysis in Honey comb of Catalytic Converters using CFD simulation with <b>Gambit and Fluent</b></li></ul> |

## Internship

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| 06/11 | <b>Internee - Siemens Engineering Pakistan</b><br>Worked in sub divisions of Switch board department to gain knowledge of Production, Planning, Engineering design and sales |
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## Certifications

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| 08/18 – 10/18 | <b>CAD-Training (Creo Konstrukteur Kompakt)</b><br><b>Ibb Konstruktionsdienstleistung GmbH, Petersberg, Germany</b> <ul style="list-style-type: none"><li>- 2D/3D modeling of different metal, plastic parts and design of sheet metal parts</li><li>- Draft technical drawing of designed parts with geometric tolerances</li></ul>  |
| 09/14         | <b>Certified “Quality Control foreman (QC-F)” from Atlas Honda Limited, Karachi</b> <ul style="list-style-type: none"><li>- Quality control plan , Quality control procedures, Statistical process control</li></ul>  |
| 02/12 - 04/12 | <b>Certified “Six Sigma Green Belt” from NED University, Karachi</b> <ul style="list-style-type: none"><li>- Application of the DMAIC methodology</li><li>- Determination of the process flow and the functionality of the production (SIPOC tool)</li><li>- Gap analysis to identify quality fluctuations and defects</li><li>- Process capability analysis and P-FMEA for analysis of causes of defects</li></ul> |

## Computer Skills

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| CAD/CAE Software | Creo, Pro-E, AutoCAD, Catia V5, Ansys, Fluent, Gambit         |
| ERP & Office     | SAP (MM/PP Module), Microsoft office, Microsoft Project, Gabi |

## Language Skills

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**Urdu** (Native), **English** (Full Professional Proficiency - CERF C1) , **German** (Fluent - CERF B2)