

QADEES AHMAD



Nationality: PAKISTANI

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QUALIFICATION:

2014-2018 – Graduation, Bachelors of Engineering in Electrical Engineering -BE, Pakistan Navy Engineering College (NUST) – Karachi – Pakistan -- **CGPA_3.34**

2014 – A-levels, (HSSC equivalent **83.63%**), Pre- Engineering – Beaconhouse school system Multan, Pakistan

2012 – O-levels, (SSC equivalent **82.5%**), Sciences – Beaconhouse school system Multan, Pakistan

FORTE:

- MICROSOFT OFFICE
- MATLAB
- PROTEUS & MULTISIM
- KICAD, CIRCAD

ACADEMIC PROJECTS AND RESEARCH UNDERTAKEN:

- **ADDER SUBTRACTOR (DIGITAL LOGIC DESIGN PROJECT)**
HIGHLIGHTS:
 - LEARNED THE CONCEPT OF USING ENCODER ICS, DECODER ICS AND 7 SEGMENT DISPLAY
 - DEVELOPED SKILLS OF DESIGNING CIRCUITS AND LEARNED THE USE OF DIP SWITCHES
- **DOT MATRIX AND STEPPER MOTOR (MICROPROCESSOR PROJECT)**
HIGHLIGHTS:
 - LEARNED THE WAY OF PROGRAMMING IN ASSEMBLY LANGUAGE ON MP BGC 8088
 - DID BOTH CLOCKWISE AND ANTICLOCKWISE PROGRAMMING FOR STEPPER MOTOR
- **POWER SUPPLY (ELECTRONIC DEVICES AND CIRCUITS PROJECT)**
HIGHLIGHTS:
 - LEARNED THE CONCEPT OF USING RELAY AND RHEOSTAT
 - LEARNED THE WAY OF LIMITING CURRENT AND CURRENT SAFETY TECHNIQUES
- **TRNASFORMER (ELECTRICAL MACHINES PROJECT)**
HIGHLIGHTS:
 - MADE 3 STEP-DOWN TRANSFORMERS 220V-24V (IRON CORE, ICE-CREAM STICK CORE AND THERMO-POLE CORE)
- **AC GENERATOR 3-PHASE (ELECTRICAL MACHINES PROJECT)**
HIGHLIGHTS:
 - MADE 3-PHASE AC GENERATOR PROTOTYPE GIVING AROUND 3-4 VOLTS PER PHASE
 - LEARNED THE CONCEPT OF WYE AND DELTA CONNECTIONS
 - LEARNED THE BASIC CONCEPT OF WINDING AND MAGNETIC FIELD MECHANISM
- **HIGH SPEED PWM BASED SINE WAVE INVERTER (FYP)**
HIGHLIGHTS
 - MADE SINGLE PHASE 1KVA INVERTER USING HIGH SPEED IGBTs
 - SUCCESSFUL GENERATION OF PURE SINE WAVE
 - GENERATION OF 10KHZ(SWITCHING FREQUENCY) PWM SIGNALS USING MICROCONTROLLER
 - SUCCESSFUL RUNNING OF BOTH RESISTIVE AND INDUCTIVE LOAD

PROFESSIONAL EXPOSURE:

▪ THREE WEEKS INTERNSHIP AT FATIMAFERT LIMITED LAHORE, PAISTAN (2017)

HIGHLIGHTS:

- LEARNED THE CONCEPTS OF POWER GENERATION, TRANSMISSION AND DISTRIBUTION
- LEARNED THE NAMEPLATE FORMATION ON GENERATORS, TRANSFORMERS, MOTORS (SYNCHRONOUS & INDUCTION) ETC
- UNDERSTOOD THE WORKING OF SUBSTATIONS, CONTROL PANELS AND CIRCUIT BREAKERS
- UNDERSTOOD THE PROCEDURE OF STARTING/STOPPING THE GAS TURBINE (GT)
- UNDERSTOOD THE METHOD OF SYNCING THE GENERATORS USING TIE BREAKERS
- UNDERSTOOD THE WORKING OF SWITCH GEAR AND SYNCHRONIZER

PERSONAL DETAILS:

Father's Name	:	Muhammad Siddique
Gender / Sex	:	Male
Religion	:	Islam
Nationality	:	Pakistani
Date of Birth	:	Aug 5th, 1994
Marital Status	:	Single
Mailing Address	:	305 A Cassim paradise block 18 Gulistan e Jauhar, Karachi
Permanent Address	:	House no 2091-D Block XXIV New Shalimar colony Bosan road, Multan

Hobbies & Interests:

Acquaintance with latest arising technologies

NB: Reference & Hardcopy of Original Documents can be furnished upon request