

CURRICULUM VITAE

SHABBIR AHMED BAGAWAN
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CAREER OBJECTIVE :

To pursue a professionally challenging career in an organization that offers me an opportunity to learn and gives me scope to update my knowledge in accordance with latest trends and be a part of the team that excels in work towards the growth of an organization.

COMPUTER SKILLS:

Design Skill : Unigraphics NX 6.0, Catia V5, AutoCAD 2008,

EXPERIENCE SUMMARY:

1)

Organization : HINDUSTAN AERONAUTICS LIMITED
(RWR&DC DIVISION).

Designation : Graduate Apprentice Trainee.

Duration : Sept 2011 to Sept 2012.

Nature of work

CAD Tools : Unigraphics NX6.0 & Auto Cad 2008

PLM : Teamcenter 8

Organization : Ground Test Center, Rotary Wing Research & Design Center, HAL,
B'lore

Responsibilities:

- Design of test Rig
- Part Modeling & Assembly Of Rig Parts
- Detail Drawing & M S Preparation
- Release Of Production Drawings For Fabrication
- Interaction with Machine Shop and Tool Room in Fabrication of Parts.
- Quality Assurance of Test Rig.
- Test Setup and Testing.

PROJECT DETAILS

Project #1 :
Project Title : Main Gear box (MGB) Load Test Rig (LUH)
Description : LUH MGB Load Test Rig is a set-up to get the dynamic gear contact pattern for the MGB under dynamic conditions with load.

The test involves:

- simulation of the MGB parameters (power, Speed, lubrication parameters e.g pressure flow)
- application of flight loads (Thrust, Torque, Pitching & Rolling moments) and
- accessory loads (Hydraulic pump load, Alternator Load, Oil Cooler fan).
- Monitoring of MGB pressure & temperatures, MGB Lube circuit parameters

Project #2 :

Project Title : TGB/IGB Functional Test rig (ALH)

Description : Design & Detail drawing TGB/IGB Functional Test rig for MRO Division.

- Oil temperature.
- Oil leakage.
- Abnormality sound.

Project #3 :

Project Title : CONICAL BEARING FATIGUE Test rig (LUH)

Description : Layout preparation for conical bearing fatigue test rig.

- Design & Detail drawing for CONICAL BEARING FATIGUE Test rig.
- Axial Load Assy.
- Torsionl Load Assembly
- MS (BOM) Preparation.

2) Details of company wise work experience.

Organization : SIRAP TECH GLOBAL Inc

Duration : Feb 2013 to Jan 2016.

Company Brief

SIRAPTECH GLOBAL Inc is an design and development company having a technical tie up with M/s SHIRKATH GLOBAL TECHNOLOGIES located in USA. The Company leading in various mechanical machine parts such as Glass polishing machine parts, Electronic parts Assembly, Wire measuring assembly called Measuring head assembly and various mechanical Assemblies parts.

Position: Design Engineer Section:

- Nature of work :
- 1) Part Modeling & Assembly
 - 2) Detail Drawing & M S Preparation
 - 3) Quality Assurance
 - 4) Interaction with Machine Shop

Job Role & Responsibility

1. Vendor selection.
2. Work easy instruments & design of special requirements to boost productivity on assembly line.
3. Component Development.
4. Costing of parts & Price negotiations.
5. Cost Reductions.
6. Vendor quality improvements & monitoring.
7. Monitoring process parameters and recording.
8. Conduct annual price meeting with suppliers.
9. Educating entire workforce to avoid accidents and rejection and improve quality.

CORE STRENGTHS

- Hard working capabilities.
- A quick grasper and a fast learner.
- Decision making and problem solving abilities
- A good team leader exhibiting good team dynamics.
- A team player with ability to grasp new technical concepts quickly and utilize the same in a productive manner.

Achievements

1. Regular procurement, planning, scheduling and developments of the components.
2. Developed components of new Models with in stipulated time.
3. Costing of all new components & prices were negotiated with concern vendors.
4. Material arranged for all Models by keeping the inventory level very low without effecting the production & quality.
5. Vendor rating of vendors under my preview were improved by improving the systems and procedures at their end.

Project #1 :
Project Title : M A METER
Process : CASTING, MACHINING (CNC), QA & QC , PRODUCTION.

- Primarily LM6 Grade Aluminum grade material is to be done casting in Gravity Tool.
- After casting will take for heat treatment for good (Mirror) finish.
- In casting the surface is to rough so that will move for Short Blasting and Tumbling.
- After tumbling process the part will undertaken into CNC machining as per drawing.
- After Machining Quality process is under taken and Inspection is done as per drawing.

Project #2 :
Project Title : MEASURING WHEEL ASSEMBLY
Process : MATERIAL PURCHASE, Machining (VMC & CNC), QA & QC, ASSEMBLY AND PRODUCTION.

- Raw material is to be purchased.
- Then Machining (CNC, VMC Process) is done as per drawing.
- For an 400 Dia wheel some weight reduction pockets are done from Water jet process.
- Some parts are Power coated in furnace about 190 deg, RAL 9004 powder is used.
- In this Assembly some of the Aluminum parts will process for Bead Blast & CLEAR Anodizing. For good surface finish.
- Assembly is done with the given drawing and tolerance fit.

Project #3 :

Project Title : **GEAR SHAFT & PINION**

Process : MATERIAL PURCHASE, MACHINING(CNC), QA & QC, PRODUCTION.

Material ss303, 12 teeth, 24 DP, 20° PA

GEAR SHAFT

- Primarily the grade material (SS303) is purchased with test TC (Test Certificate).
- After that machining (CNC) process is undertaken with given drawing dimensions.
- Surface Grinding is done for locking the shaft at one end.
- The final process is Gear Hobbing ie 12 teeth, 24 DP, 20deg PA, as per standard given dimension.

PINION

- Primarily we preferred for Trobe Machining (Facing, Centering, Drilling, Tapping) these process will taken in one setting.
- Cylindrical Grinding is done on the OD surface so that there should not be size variation after gear Hobbing.
- The final process is Gear Hobbing ie 12 teeth, 24 DP, 20deg PA, as per standard given dimension.

Project #4 :

Project Title : **HEAT SINK AND REAR COVER**

Process : **CASTING, ED COATING, QA & QC, PRODUCTION.**

- Primarily LM6 Grade Aluminum grade material is to be done casting in PDC Tool.
- For improving the casting surface Aluminum Oxide Blasting is done.
- There should not be electrical current flow in the part during operating condition so will do ED Coating.
- Parts are Power coated in furnace about 190 deg. Glossy white powder is used.

Project #5 :

Project Title : **ALUMINIUM SWELVE ASSEMBLY**

Process : **MACHINING(VMC), QA & QC, PRODUCTION.**

- In this three part assembly is undertaken in specialized tools for VMC Machining as per drawing.

- After machining the part is taken under the process called Bead blasting for removal of machining lines.
- After Bead blast the part is taken under the process called CLEAR Anodizing, For good surface finish.

EDUCATIONAL QUALIFICATIONS

- **M Tech From Secab Institute Of Engineering and Technology (2018)**
- **B E MECHANICAL from BLDEA's BIJAPUR, Karnataka.**
- **Intermediate from State Board of karnataka.**
- **S.S.L.C. from State Board of karnataka.**

PERSONAL DETAILS:

Date of Birth : 22-08-1988
Father's Name : Khajahussain
Marital Status : Married
Languages Known : English, Kannada, and Hindi.
Permanent Address : Bagayat Street behind IQRA School
Hyder colony
Bijapur District
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Declaration:

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

- SHABBIR AHMED B