

**KARTHIK RAJ U**

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**PROFESSIONAL SUMMARY:**

**Procurement Engineer**, with **2 years of experience in Purchasing Department**. Exposed to SCM, ERP applications, Management Activates. Experienced in Finding Potential Vendors, maintain reports, Creating RFQ, PO creation.

**WORK EXPERIENCE:**

1. Working as **PURCHASE EXECUTIVE** in **YANTROVA** (Feb 2019- Till Present).
  - a. **Projects Handling** – Compressor Impeller, Turbine Blower wheel, Tool & Die, R&D.

**ROLES & RESPONSIBILITIES:**

- Researching potential vendors
- Comparing and evaluating offers from suppliers
- Evaluate vendor's quotation to ensure that they are in line with the technical and commercial specifications required for the project
- In charge of daily operational purchasing needs such as planning, issuing and following up on Purchase Orders delivery and shipment schedules
- Check stock availability, credit and payment status, and entry order in Excel
- Creating RFQ by Compiling drawings, documents and publishing using mail
- Ability to reach out suppliers and create Standard and Blanket Purchase order
- Maintaining reports in Daily, Weekly, & Monthly
- Following up With Suppliers for quotes & answering data
- Handling various orders in system, Calculation requests, Design Change, etc.
- Updating Prices & Creating Negotiations in the System
- Managing required changes to and closure of the PO
- Knowledge on MS Office, MS world, MS excel and Power Point

2. Worked as **Costing/Benchmarking Engineer** in **Robert Bosch Engineering and Business Solutions Private Limited (RBEI)** from (Aug 2017 to Jan 2019)

**ROLES & RESPONSIBILITIES:**

- Tear Down Analysis of the product
- Product picture capturing in Photo Shop lab
- Creation of Bill of material (BOM)
- Technical Documentation like Assembly layout generation, Preparation of Comparison report
- Material analysis study, wear and friction study in the hydraulic unit, tappet lubrication in the valves
- Cost Estimation
- **Projects Handled:** CC-ABS-ESP systems (Active Safety Systems) ECU unit, hydraulic unit and motor components and Home Boiler units
- **Software used:** Pro-Cal (Siemens Team Centre Product Costing Software) and Microsoft tools (Microsoft Office)

3. Worked as **Senior Research assistant (SRF)**, Tribology in **Indian Institute of Science, Bengaluru** from (Aug 2013-July 2017).

**ROLES & RESPONSIBILITIES:**

- **Project Description:** As a research assistant, actively involved in following projects:
  - 1) **“Study of boundary lubrication in engine and metal working tribology”**, Collaborative Project of IISc – Indian Oil Corporation limited. Where friction and wear track is observed, lubricants is prepared by mixture of oil and additives, experiment was conducted on “Pin on disc” & “High temperature Tribometer” , wear track curve is plotted and analyzed by profilometer and tribological softwares(Tribox 4), hands on experience in servicing and maintenance of the equipment’s.
  - 2) **“Evaluation of Tribological Characteristics of Cutting Oils”**, Collaborative Project of IISc – Total Gas Private limited.  
Where friction and wear track is observed & monitored using profilometer, experiment was conducted on “Tool chip tribometer” & “ High frequency fretting wear machine” , hands on experience in procurement of material and tool required for testing , polishing of the disc, ball and Flat bars required for experiment and surface interaction manufacturing.
  - 3) **“Testing and synthesis of green cutting fluids”**, Collaborative Project of IISc – Total Gas Private limited, Coconout development board and Department of Bio-technology. Where friction and wear track is observed, cutting fluids was prepared using Jatropa, Pongamia oil & monitored using optical profilometer, experiment was conducted on “Tool chip tribometer” & “ Four ball tester, hands on experience in analysis of wear friction curve and plotting of the results using tribological softwares(Labview) and comparing with the industrial application oils with the green cutting fluids.

**Software used:** 3D Optical Profilometer (Veeco), Lab-view, Origin 8 & Tribox 4.

**EDUCATIONAL QUALIFICATION:**

Qualification	School/ College	University	Percentage / Grade
B.E (Mechanical)	Government Engineering College, Ramanagaram, India.	Visvesvaraya Technological University, Belgaum.	74.12%
II Year Pre-University	Rajajinagar Parent's Association, Bengaluru, India.	Karnataka State Pre- University Board	64%
10 <sup>th</sup> Standard	Sri Aurobindo Vidya Mandir High School (SAVM), Bengaluru India	Karnataka Secondary Education Board	65%

**WORKSHOP / TRAININGS:**

- Attended an International conference on “**Friction Based Processes (ICFP-2014)**” held at the Department of Mechanical Engineering, Indian Institute Science, Bengaluru in September, 2014
- Attended a workshop on “**Mechanical Processing and Surface Characterization in Tribology**” held at the Department of Mechanical Engineering, Indian Institute Science, Bengaluru in February, 2015
- Attended the “**UGC-CAS Workshop on mechanics of small length scales**” held at the Department of Mechanical Engineering, Indian Institute Science, Bengaluru in March 2015
- Attended the “**7<sup>th</sup> Summer School of Tribology**” held at the Indian Oil Institute of Petroleum Management (IOIPM), Gurgaon in June, 2015

**PERSONAL DETAILS:**

- Date of Birth: 25<sup>th</sup> April, 1992
- Father's name: Udayakumar J
- Mother's Name: Selvi G
- Marital Status: Single
- Nationality: Indian
- Languages: English, Kannada & Tamil.

I hereby declare that the above furnished details are true to the best of my belief and knowledge.

Place: Bengaluru.

Date:

Yours sincerely,

(Karthik Raj U)