

**FRANCISKU BADATHURUGE YOHAN RANDANA DE SILVA**

33/28 Neville Perera Mawatha , Nalluruwa , Panadura 12500

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## CURRICULUM VITAE

### FOR THE POST –TRAINEE ENGINEER

#### **OBJECTIVE**

To make use of the practical and theoretical knowledge that I gained through-out my degree in Mechanical Engineering, so that it will be applied in Industrial applications, and to improve the efficiency of the joining Organization.

#### **PERSONAL DETAILS**

NIC NO	-	912281329 V
Date of Birth	-	15 <sup>th</sup> August 1991
Sex	-	Male
Civil Status	-	Single
School Attended	-	St' Joseph's College Colombo 10

#### **EDUCATION QUALIFICATIONS**

- **B. Sc. Engineering (Hons.) (2nd Class Upper), University of General Sir John Kotelawala Defence University, Sri Lanka, 2015. (Specialization: Mechanical Engineering)**
- Good command in Computational Fluid Dynamics (CFD)
- Machine designing in Engineering Drawing software's (Auto CAD & Solid Works)
- **Final Year Individual Research Project first place (University of KDU)**
- Advance Level Examination in the stream of Mathematics. (2010)

Combined Maths	-	S
Physics	-	S
Chemistry	-	S
English	-	B
- Ordinary Level Examination (2007)

Mathematics	-	A	(Distinction)
Business & Accounting	-	A	(Distinction)
English Language	-	A	(Distinction)

Catholicism	-	A	(Distinction)
ART	-	A	(Distinction)
Social Studies & History	-	A	(Distinction)
Science & Technology	-	B	(Very Good Pass)
Sinhala Literature	-	B	(Very Good Pass)

- Computer Hardware & Software (Certificate course in Wijeya Graphics)
- Computer Graphic Designing
- British Council Level 3 & Level 4
- Specialized in Microsoft Office packages.

### **PRACTICAL KNOWLEDGE GAINED AT CEYLON GOVERNMENT RAILWAY**

SECTION	SHOP	DESCRIPTION
➤ Tool Room	42	Lathe , Turret Machine Operation
➤ Foundry Shop	43	Sand Casting , Molding
➤ Bench Fitting & Machining	41	CNC Machines ,
➤ Diesel Hydraulic Loco Repair	28	Engine Overall
➤ Diesel Electric Loco Repair	16	Engine Maintainers
➤ Blacksmith & Metal Forming	45	Annealing , Quenching , Hardening
➤ Diesel Engine Auxiliaries	14	Radiator , Compressor maintains

### **PRACTICAL KNOWLEDGE GAINED AT DIESEL & MOTER ENGINEERING PLC**

SECTION	DISTRIPTION
➤ TATA Passenger	Passenger vehicle maintains
➤ KOMAT'SU Service (CMD)	Hydraulic Applications in Dozers
➤ TATA Heavy vehicles Unit	Heavy vehicle Repair and maintains
➤ TATA Unit Repair	Disassembling and Assembling 6 cylinder inline Engines

### **OTHER SKILLS**

- Former board member of the Rotract Club of Kotelawala Defence University
- Hold the post as the Coordinating Secretary of the Science Union at St' Josephs College Colombo 10.
- Bronze medalist of Ballroom & Latin American Dancing.
- Skill of playing 5 Piece Acoustic Drums.

## **WORK EXPERIENCE**

- Diesel & Motor Engineering PLC (From 01<sup>st</sup> July 2014 – 05<sup>th</sup> September 2014)
- Ceylon Government Railway Rathmalana (CGR) (From 09<sup>th</sup> September – 12<sup>th</sup> December 2014)
- Currently working as a Instructor in Mechanical Engineering department at  
Sir John Kotelawala Defence University (Lecturing Thermodynamics and conducting practical)

## **PROJECTS CARRIEDOUT**

- Development of the Downdraft Bio-mass Gasifier (For running a 4 stroke generator / Syngas for domestic cooking applications / As a flammable fuel)
- Designing a Three Speed Manual Gear Box
- Modeling Internal Flow of an Elbow Pipe( using computational fluid dynamics)
- Modeling External flow of an Airfoil. (Using CFD Software)

## **AREAS OF INTEREST**

- Energy Power Plants
- Thermodynamics.
- Air-conditioning & Refrigeration
- Mechanical Auxiliaries
- Mechanical machine maintainers
- Machine Elements & Design
- Fluid Mechanics & Fluid Dynamics

## **NON - RELATED REFREES**

- **Mr. RMPS Bandara** BSc Eng (Moratuwa), MEng (Moratuwa), AMIE (SL)  
Contact Details : 072-3219578  
Email : bandara@kdu.ac.lk
- **Mr. S.Bogahawatt** NDT, IESL Part I & II, MEng( Moaratuwa),MIE(SL), CEng  
Contact Details : 071-4492170  
Email : bogahawattes@gmail.com

I hereby certify that the above mentioned particulars are true and correct to the best of my knowledge.

Date : .....

Signature : .....

F.B.Y. Randana de Silva

