



DASARATHA PRABHU B

ASSISTANT PROFESSOR

CAREER OBJECTIVE

To further my professional career with an executive level management position in a world class company. Seek to diversify my skills in another industry and as part of a larger organization.

CONTACT

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Dasarathaprabhusbs@gmail.com

NO.17 DMR PINNACLE 303, 3RD FLOOR ,10TH
CROSS LINGARAJAPURAM BANGALORE 560084,

TECHNICAL SKILLS



Designing, Production and
Teaching Profession.

PERSONAL PROFILE

EXPERIENCE

27/01/2014 - 01/09/2017

Assistant Professor
Dr TTIT

11/11/2013 - 16/12/2013

Contract Design Engineer
Aeronautical Development Establishment
Bangalore

EDUCATION

2013

M.Tech in Tool Engineering
Govt Tool Room and Training Centre Mysore
79.62

2010

B.E. in Mechanical Engineering
Dr T Thimmaiah Institute of Technology,
oorgaum
68.27

2004

SSLC
Beml Composite Junior college
62.08

PROJECTS

Design & Analysis Of 7.5 Cubic Meter Bucket For BE1600 Excavator. 3months

BE1600 hydraulic excavator manufactured by BEML is the largest excavator in India with an operating mass of 160 tones. An application of this is used in infrastructure projects, mineral mines, granite and marble application, trench digging, canal digging etc. The scope of this project is to analyze the existing design and verify the design adequacy for the desired application in order to avoid field failure and improve the service life.

The project helps in strengthening the high stressed areas of the bucket so that field failures will be minimized, downtime of the equipment is reduced and productivity and availability of the excavator is increased.

Date of Birth 10/03/1989
Nationality Indian
Marital Status Single
Known Languages English,Kannada,Telugu
andTamil
Hobby Sight seeing, cooking
and music.

Performance Studies Of Various Factors Over Defects In High Pressure Die Casting Component.

1year

Project work involving on "performance studies of various factors over defects in high pressure die casting component". The part which is being produces in high pressure die casting is being used to seal the meter box in electrical applications. The component produced in high pressure die casting machine are found to have some defects like blowhole, bubble and flash. We come to know that more defects are produces in the component, which can be minimized by going some analysis process. For that we have selected some of the parameters which have the influence towards the defect by conducting experimental test by which a design of experiments were conducted to see the actual cause for the defect by knowing the relationship of parameters over defects in high pressure die casting component. The design of experiments and analysis of parameters over defect in high pressure die casting component were conducted by Minitab statistical software and based on the results, we are going to conduct a regression analysis to find the strongest relationship between the parameters and the defects in the component. Based on the results of regression analysis, the strongest relationship of design of experiments is taken for optimization process. By this response optimization we can able to control the defect by controlling the parameters and we can able to predict that what percentage of defect can be controlled in a production.

REFERENCE

Dharani Kumar R - "schneider electric bangalore "
Engineer
Rdharanikumar008@gmail.com

HARISH S - "Toyota kirloskar motor "
Engineer
har8ish8@gmail.com

DECLARATION

I declare that the information provided above is true to the best of my knowledge and believe that no information required to be given has been withheld or omitted.

DASARATHA PRABHU B