

CURRICULUM VITAE

D. GURU MOHAN REDDY

Contact: +91-7036804334

E-Mail: gurumohanreddy786@gmail.com

CAREER OBJECTIVE:

Seeking a Challenging position to utilize my skills and abilities in the industry that offers professional growth while being resourceful, innovative, and flexible.

SUMMARY:

- ✓ Having 1 year of experience in CCE field executive assistant.
- ✓ Qualified **Engineering Graduate (B.Tech) in Mechanical Engineering** from JNTU Anantapur.
- ✓ Certified in **Auto CAD**.
- ✓ Self-motivated, hardworking and goal-oriented with a high degree of flexibility, and commitment.
- ✓ Acquired knowledge as part of the academic syllabus:
 - o **Automobile Engineering**
 - o **Thermal Engineering**
 - o **Kinematics of Machinery**
 - o **Manufacturing Technology**
 - o **Machine Tools**
 - o **Refrigeration and Air-conditioning**
 - o **Power Plant Engineering**
 - o **Fluid Mechanics and hydraulic machinery**

ACADEMIC QUALIFICATION:

Course	Institution	Board/University	Year of pass	Percentage
B.Tech(MEC)	Gokula Krishna College of Engineering, Sullurupeta	J.N.T.U. Anantapur	2016	70
Intermediate	Sri chaitanya jr.college, tirupathi	Board of intermediate	2012	80

S.S.C	Sri saraswati challapalli high school	Board of secondary education A. P	2010	81
-------	---	--------------------------------------	------	----

CORE STRENGTHS:

- ✓ Hardworking and quick learner
- ✓ Commitment
- ✓ Sincerity and Self-Confidence
- ✓ Good team player
- ✓ Problem solving Ability
- ✓ Positive Attitude

ACADEMIC PROJECT:

Project Title :

PERFORMANCE AND EVALUATION OF A DIESEL ENGINE FUELED WITH VARIED BLENDS OF BIO-DIESEL EXTRACTED FROM SUN FLOWER OIL

Duration : 3 months
Team Size : 5

Description:

The growth in energy demand in all forms is expected to continue unabated owing to increasing urbanisation standard of living and expanding population with stabilization not before mid of current century.

Agriculture and industry utilize the diesel powered engines for various purpose but the supply of petroleum derived from diesel fuel is limited, the depletion in the world petroleum supply due to political and economical reasons stimulation search for alternative sources for petroleum based fuel especially for diesel fuel.

The experience allow two alternative source to solve the problem.

Firstly, one can search for an alternative fuel and modified engine design which can fully replace petroleum fuels in the existing engine.

The Secondly can be to prolong the use of petroleum and will give opportunity for the present engine to be used to their full life. The fuel such as bio-mass derived fuel like alcohol , vegetable oils of edible types are thought to be the good alternatives.

Hence, solemn attempt is made in this project work to study and explore the possibility of the utilization sunflower oil in place of diesel. Accordingly experiment have been carried out and study the suitability of sunflower oil and blend with diesel oil in running a compression ignition engine.

The experiment have been carried out on a four stoke single cylinder, water cooled diesel engine, test rig (kirloskar engine). Different blends of esterified sunflower oil

and diesel oil in proportion of 0%, 10%, 20%, 30%, 50%, 80% were tested from the performance of sunflower oil and diesel blend the efficiency obtained for blend of 60 to 80% by volume is approx. equal to diesel engine run without problems for oil blends due to high viscosity of oil filters and injection nozzles are found to be clogged and this problem can be overcome by the retail esters transesterification of sunflower oil.

PERSONAL PROFILE:

Name	: D.Guru Mohan Reddy
Father's Name	: D. Venkata Rami reddy
Date of Birth	: 02-07-1995
Gender	: Male
Nationality	: Indian
Languages Known	: English, Telugu

DECLARATION:

I hereby declare that all the details furnished are true up to the best of my knowledge.

Place:

Date:

D.Guru Mohan Reddy