RESUME

Yash S Trivedi

Date of Birth : 17th JAN 1993

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Residential Address :

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(C/o) Shri S.R. Trivedi , 1 / Harsidhdhi krupa , Harsidhdhi Park society , Nr. Trilok Park Society , Behind the P.N.T Quaters , Dalmill road , Surendranagar , Gujarat – 363001 , India

Education

2014 - 2016 : **M.E. in Design Engineering** , JSPM college , PUNE University , PUNE , India
SGPA : 7.76 (First Class with Distinction) (passout in Oct 2016)
2010 - 2014 : **B.E. in Mechanical Engineering** , Universal College , Gujarat Technological University , Ahmedabad
GPA : 6.03 (on scale of 10)
2008 - 2010 : **Higher School** , Ultra Vision Academy , Surendranagar , Gujarat, India
Marks : 73.00% [PCMB] (First Class with Distinction)
2007 – 2008 :**Xth class education** , Dayamai Mata English School , Surendranagar , Gujarat, India
Marks : 83.85% (First Class with Distinction)

Master Thesis

Title : ***IMPROVING THE CATALYTIC CONVERTERS BY CHANGE OF MATERIALS OF CATALYSTS.***

Abstract : There major challenges are to meet the environmental problems and adverse impact. This project addresses the above problems by providing automotive exhaust system having catalytic converter usable for both green and chemical technology. Car engines produce non-user friendly gases (such as like CO, NO and NO_x); and chemical reactions that take place within the catalytic converter change these gases into user friendly gases such as like CO_2, N_2, O_2. Thus this device controls the non-user friendly gases and converts into user friendly gases particularly suitable to human being. The present invention has CO_2 absorber pipe at the end of the converter which is absorb CO_2 and may affect on the system and made this device eco-friendly. To absorb this gas; zeolite material is used inside the pipes which is absorbs the CO_2 gas and make environment harmless. The converter of the present invention comprises a honeycomb structure coated with aluminum oxide and vacuum insulated coating with phase change material, having affordable catalyst like cerium oxide [CeO_2] & porcelain, combined with the mentioned thermal-management and cold-start emissions technology. Catalytic converter designed and through computational fluid dimensional (ANSYS 14.0 software - magnitude) analysis with maintained back pressure flow analysis.

Provisional Patent Title : Design of automotive exhaust system and method to preparation there of

Languages

English : **Full professional proficiency**
Hindi : **Native language**
Gujarati : **Mother tongue**
German : **Elementary Proficiency**
Marathi : **Elementary Proficiency**

Software/Computer Proficiency

CAD : AutoCAD , Creo-Elements/Pro
CFD : ANSYS Fluent
Simulation : ANSYS workbench , SOLVER
Other : MS office
Languages : Turbo C , Mechanical APDL

Co-curricular Activities

- Participated in 'SAE Baja' national level event from Gujarat team
- ATTEND OF 'MOBIBOTICS' WORKSHOPS based on mobile Technology
- ATTEND A VARIOUS SEMINARS BASED ON "Design of TERRAIN VEHICLES"
- Organize a various inter college based events
- Delivered a presentation on Automotive Exhaust System

Medals / Achievements

- Achieve a medal from college for innovative work in SAE Baja event
- Interview on Radiocity 91.1 @ Pune – Regarding most innovative Project (Sparkle Event)
- Achieve a Congratulatory letter from Dist. Government for good performance in metric examination
- Secured A2 level position in SCOPE examination conducted by Cambridge University
- Participated in National science Quiz competition at school level

Publication / Honors

- Published a paper ongoing research Project – Provisionally Accepted
  URL : http://openpgcon.org/index.php/Mech/mechcon/paper/view/34
- Honors from the Gujarat technological University – for secured position as most innovation in India
  URL : http://gtu.ac.in/ImpCircular/GTU_Student_Honors_Summary.pdf

Coursework

➢ Design of Terrain vehicles	➢ Mechanical APDL
➢ Mobile Technology	➢ ANSYS Fluent
➢ Automobile Exhaust System	➢ SCOPE for English Proficiency

Interests / Hobbies

- Football and Table Tennis
- Listen soft music
- Represented in a various inter-university tournaments
- Attend a various seminars and teach to others

Personal Details

Gender	:	Male
Nationality	:	Indian
Father Name	:	Shri Sudhirkumar R Trivedi
Occupations	:	Lecturer in science stream
Permanent Address	:	-As Above-
Tel. (Parent)	:	+91 9328039150 / 9426420965