



RAJEEV INSTITUTE OF TECHNOLOGY

Plot # 1 (D), Growth Centre, Bangalore-Mangalore Bypass Road, HASSAN- 573 201, KARNATAKA
(Affiliated to VTU, Belagavi., Approved by AICTE, New Delhi., Recognized by Govt. of Karnataka)

Workshop on Engine Overhauling

Department of Mechanical Engineering, Mechanoid Club organized the workshop on "Engine Overhauling" with the association of 'Tech Trunk Ventures Pvt. Ltd. Hyderabad', from 02/04/2019 to 04/04/2019.



To,

Date: 05.04.2019

The Principal
RIT, Hassan

Sir,

Subject: Requisition for Sanction the Amount towards conducted the Three Days WORK SHOP on IC ENGINE overhauling at our campus from 02.04.2019 to 04.04.2019-reg

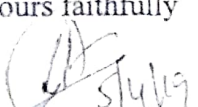
With respect to the above subject, The Department of Mechanical Engineering conducted the **Three Days WORK SHOP on IC ENGINE OVERHALIING FOR 6TH semester students** at our campus from 02.04.2019 to 04.04.2019, TechTrunk Ventures Pvt. Ltd., Hydrabad. So please sanction the amount mentioned above mentioned form name. I hope you will do the needful and oblige.

Workshop Bill	132 No. x Rs. 450.00	= 59400.00
IC Engine & Mechanic Charges (Deduction)		= 5000.00
	Sub Total	= 54400.00
	GST(18%)	= 9792.00
	Total	= 64,192.00

(Sixty Four Thousand One Hundred and Ninety Two only)

Thanking you,

Yours faithfully


Dr. Dhananjaya D A
Vice Principal, Professor & Head
Department Of Mechanical Engineering,
Rajeev Institute of Technology
Hassan - 573 201

Payment Details:

Name : TECHTRUNK VENTURES PVT. LTD.
Bank : ICICI, Ramachandrapuram,
A/C Number : 279505000162
Mode of payment : NEFT/RTGS/IMPS/Cheque
IFSC : ICIC0002795, RC Puram
A/C Type : Current

Enclosed: Invoice

TechTrunk Mech. Sub
To
Mr. Dhananjaya
As necessary
action
R
5/4

2 Days
Workshop/FDP
On
**IC Engine
Overhauling**
(Intermediate Level)

Prerequisite: None

Hands on : Complete Dismantling & Assembling of Engine

Company Requirements:

- 1 Seminar Hall with seating capacity of 150-200 students
- Sound System
- 1 LCD Projector
- 2 volunteers
- Open Space for Engine Overhauling & Assembling
- Accommodation for resource person.

Introduction

- What is an automobile?
- Brief history & Changes over the years
- Indian automobile industry

Transmission system

- Flywheel & Clutch
- Single Plate & Multi Plate Clutch
- Cone, Centrifugal & Electromagnetic Clutch
- Gearbox
- Constant mesh type & Synchromesh type
- Sliding mesh type
- Reverse and its working
- Manual, Semi-Automatic & Automatic Transmission
- CVT, Differential, 2WD, 4WD, AWD Transmission System
- Tyres & size notations & its types
- Traction Control

Braking Unit

- Disc Brakes, Drum Brakes & Magnetic Brakes
- Vacuum Brakes & Anti-lock braking System
- Brake Actuators
- Solid Bar connection
- Single-circuit hydraulic & Dual-circuit hydraulic
- Power Brakes & Brake Fluids

Fuel Supply System

- Fuel Filter, Carburettor, Fuel Injector & Spark Plug
- IC Engine & its types
- 4-Stroke Engine & 2-Stroke Engine
- Engine Layout and working
- Valves and Valve Timing & Engine Cooling
- Turbochargers & Superchargers

IC Engine

- Types of IC Engine
- 4-Stroke Engine
- 2-Stroke Engine
- Engine Layout and working
- Valves and Valve Timing
- Engine Cooling
- Turbochargers
- Superchargers

**Assembling disassembling the Engine
Latest Technologies**

- PGMFi & MPFi
- CRDi
- VVTi



TechTrunk Ventures Pvt. Ltd.
25-35/3/B, Sekhar's Arcade, ICICI Bank,
Ramachandrapuram Road, Mumbai Highway,
Hyderabad, Telangana 502032
7842670309, 9182275802
contact@techtrunk.in
GSTIN:36AAFCT5782L12P
PAN NO.: AAFCT5782L

INVOICE

INVOICE NO.: TTV/124
DATE:04/04/2019

Invoice to-

Customer Name: Rajeev Institute of Technology
TEL/+91 7892333816

Address: Plot 1-D, Growth Center, Industrial Area, B-M Bypass Road, Hassan, Karnataka 573201

Sl. No.	Description	Amount
1	3 Days Workshop on IC Engine (132XINR 450)	INR 59,400/-
	IC Engine and Mechanic Charges (Detection)	(-) INR 5000/-
	Sub Total	INR 54,400/-
	GST (18%) Amount	INR 9792/-
	Total	INR 64,192/-

Payable Amount – INR 64,192/- (Sixty four thousand, One hundred and ninety two only)

Please Complete the Payment on given account-

Account Holder Name: TECHTRUNK VENTURES PVT LTD
Account Number: 279505000162
IFSC Code: ICIC0002795
Bank & Branch Name: ICICI Bank, RC Puram
AC Type: Current



[Handwritten Signature]

Thank You for your business

RESUME cum PROFILE

ASHISH JHA

erashishjha@gmail.com

7995814987

Accomplished Projects:

- Hand Operated washing machine as a minor Project.
- Solar Refrigeration system.
- Bluetooth Controlled Jack and Crane system
- Gone through the project of Automatic Transmission System in Cars
- Bridge design with the help of rope suspension and Tall building model design by using E-tabs, 3d Max and physical implementation with clay.

Experience:

- Two Year experience as a Research Engineer with Times Glob (Com) Pvt. Ltd. New Delhi.
- One and Half Year experience as a Maintenance Engineer and Certified Maintenance Engineer with T&T Motors-Mercedes Benz , New Delhi(India)
- 2.5 year was working as a system engineer with Mahavir Motors Mercedes-Benz Vijayawada Andhra Pradesh (India).
- Since 6 years working with General Insurance companies like TATA AIG(2.6yrs), GoDigit(1.7 Yrs), Future Generali(1.7 yrs.) and Reliance General (currently working)
- Given 132 workshops for Automobile Engineering IC engine & Design in various college of India.
- Given 55 workshops in various colleges pan India based on software tools of civil engineering.
- Coordinator & mentor for team from Bhartiye Institute of Technology Sikar, Rajasthan India, participating in FSAE Italy-2016 F1 student championship.

Core Functional Strength

- Various New Technologies in Automobile Sector.
- Advancement in Robotics for Mechanical engineers.
- Innovations in Robotics Technologies with own ideas.
- Automotive component drawing in AutoCAD & CATIA
- Regular presenter and Trainer
- Team Co-ordinator
- Good leading Capabilities
- Fabulous Creative Ideas
- Software tools of Mechanical and Civil engineering workshops.

Achievements

- Certificate in Robotics by a firm YOGIKI of IIT-Madras
- Got 2 Training Certificates in Advance Mechatronics from Patel Auto Services Pvt. Ltd (Mercedes Benz)
- Got 29 Appreciation Letters from Various colleges of India for giving workshops in various Module.
- Actively given Training Lecture on "Formula 1 Racing Car" in the Fest "Consciences" By JNTU Hyderabad.
- Honored by Bhartiye Got Institute of Technology Sikar, Rajasthan for coordinating as a mentor FSAE Italy team from India.

Education

- B.E. in MECHANICAL ENGINEERING from Shri Rawatpura Sarkar Institute of Technology and Science -2014 , M.P. India
- Advanced Diploma in Automotive Mechatronics (ADAM) 2015-2016 Sponsored by MERCEDES BENZ
-
- MBA in Operations Management from Symbiosis Institute of Management and Technology Pune Maharastra.
-

Professional Certification

- AutoCAD
- CATIA
- Staad Pro.
- E-Tabs
- Solid works

Software Exposure

- AutoCAD
- CATIA
- Solid Works
- Pro-E
- ANSYS
- Creo
- 3D-Max
- E-Tabs

Hobbies

- Singing
- Reading New Novels and Technical Books
- Exploring new places & Meeting new people
- Blogging on Social websites for social, technical, political etc. issues.

Place- Delhi (India)



Ashish Jha



REPORT ON ENGINE OVERHAULING

CONDUCTED FOR 6TH SEM STUDENTS OF MECHANICAL ENGINEERING DURING AY 2018-19

Attendees: 6th-semester students

1. Title: Engine Overhauling for 6th Sem Mechanical Engineering Students

2. Objective: The objective of the Engine Overhauling training was to equip 6th Sem Mechanical Engineering students with the knowledge and skills on

- Transmission system
- Braking Unit
- Fuel Supply System
- IC Engine
- Assembling disassembling the Engine

3. About the Activity: The Engine Overhauling training was conducted by a experienced trainers from Tech Trunk Ventures Pvt Ltd. The training covered various topics, including basic and advanced features . The training was conducted over a period of 4 days, and students were given practical assignments to reinforce their learning.

4. Outcomes of Engine Overhauling Learning: The Engine Overhauling training had several positive outcomes for the 6th Sem Mechanical Engineering students. Some of the key outcomes are:

- Selecting the bore to stroke ratio for different purposes engine i.e for cruise, street and racing.
- Advanced fuel injection system for diesel and petrol engine.
- Informations on chassis, suspension and power transmission system.
- Dismantling and assembling the whole parts of the engine.



RAJEEV INSTITUTE OF TECHNOLOGY

Plot # 1 (D), Growth Centre, Bangalore-Mangalore Bypass Road, HASSAN- 573 201, KARNATAKA
(Affiliated to VTU, Belagavi., Approved by AICTE, New Delhi., Recognized by Govt. of Karnataka)

How it Helps Students: The Engine Overhauling training provided several benefits to 6th Sem Mechanical Engineering students. It helped them develop their technical skills and knowledge, which are essential for a career in the mechanical engineering field. It also gave them hands-on experience, which can be a valuable asset in their future careers. Finally, the training program helped students build their confidence and provided them with a solid foundation for further learning and growth

