

Seminar Topic already presented

SOLAR WATER DISINFECTION

THERMAL BARRIER COATINGS

EAGLE360, TYRES-WHICH ARE TOTALLY ROUND

SOLAR POWERED CHARGING INFRASTRUCTURE FOR ELECTRIC VEHICLES

MICRO EDM PROCESS

DUAL CLUTCH TRANSMISSION

POWER GENERATING SHOCK ABSORBER

CNT BASED SPACE ELEVATOR

MULTI AIR ENGINE

SOLAR POWER AIR-CONDITIONING

FEM ANALYSIS OF ECM

NANO IC ENGINE

HYPER LOOP TRAIN

OSMOTIC POWER GENERATION

ABRASIVE FLOW MACHINING PROCESS BY TAGUCHI METHOD

NOISE CONTROL IN IC ENGINE

NON DESTRUCTIVE TESTING

APPLICATION AND FUTURE OF REFRIGERANTS

FIVE STROKE IC ENGINE

AUTOMATIC TYRE INFLATING SYSTEM

ENERGY STORING BODY PANELS

NUCLEAR REACTOR

ZERO ELECTRICITY AIR CONDITIONING USING N PHASE CHANGING MATERIAL

CRYOGENIC TECHNOLOGY IN ROCKET'S ENGINE

RECENT ADVANCEMENT IN MICROFABRICATION

HYBRID ADVANCED MACHINING PROCESS

HIGH SPEED VEHICLES

RECENT RESEARCH IN COOPERATIVE CONTROL OF MULTI VEHICLE SYSTEM

ROBOTS AND ARTIFICIAL INTELLIGENCE

OSMOTIC POWER GENERATION

PARTICLE SWARM OPTIMIZATION

ULTRA SONIC METAL WELDING

ADVANCES IN DUST REMOVAL PROCESS USED IN "CSP" TECHNOLOGIES

ADVANCES IN SOLAR SELECTIVE COATINGS

NANO IC ENGINE

CO2 CAPTURE AND STORAGE

HYBRID SOLAR DESICCANT COOLING SYSTEM

ACTIVE SAFETY OF GROUND VEHICLE THROUGH ADVANCE SENSING

RECENT DEVELOPMENT IN LASER BEAM MACHINING

ADVANCEMENT IN METAL FORMING PROCESSES

GREEN ENGINE

Various desalination techniques for sea water to make it usable for various purpose

SELF INFLATING TYRE

NANO IC ENGINE

FUTURE ADVANCEMENTS IN ISRO

APPLICATION AND INSTRUMENTS OF SOLAR ENERGY
NANO BOATS
CREATE A NEW WORLD USING 3D PRINTER
BLADELESS WIND TURBINE
A NEW HOT PHOTOVOLTAIC SOLAR CELL
BATTERY AUTOMATED ELECTRICAL VEHICLES
LASER SHOT PROCESSING
PLASMONIC SOLAR CELLS
AIR MUSCLES
NANO - GENERATORS FOR SELF POWERED SYSTEMS
Enhancement aspects of single stage absorption cooling cycle: A detailed review
PERPETUAL PRINTING
ABRASIVE CLEANING
AQUA SILENCER
SOAP: - A FUEL FOR FUTURE AUTOMOBILE
CRYOGENIC HEAT TREATMENT
CONCENTRATED PHOTOVOLTAICS
ADVANCEMENT IN MECHANICAL ENGG. USING SOFTWARES
GREEN ENERGY: STORING AND UTILIZATION
ACTIVE MAGNETIC BEARING
SENSOTRONIC BRAKE CONTROL
SIX SIGMA
NEXT GENERATION SOLAR CELL
DUKE ENGINE
BULLWHIP EFFECT
COAL WASTE MANAGEMENT IN THERMAL POWER PLANT
NANO- FINISHING TECHNIQUES
FAULT TREE ANALYSIS AND FMEA
RECENT APPLICATION OF ABAQUS IN ENGG.
QUALITY STANDARDS
TOTAL PRODUCTIVE MAINTENANCE
OPTIMIZATION ON PREVENTIVE MAINTENANCE
FAILURE MODES, EFFECTS AND CRITICALLY ANALYSIS (FMECA)
CONDITION BASED MAINTENANCE
DEVELOPMENT AND ADVANCEMENT OF AUTOMOBILE BRAKING SYSTEM
LASER IGNITION SYSTEM
BATTERY OPERATED VEHICLES
NEXT GENERATION OF SOLAR CELLS
PLASMONIC SOLAR CELLS
VORTEX BLADELESS WIND TURBINE
SOLAR WATER DISINFECTION
PERPETUAL PRINTERS
TIME LINE AND FUTURE OF SOLAR CELLS
ADVANCEMENT IN MECHANICAL ENGINEERING USING SOFTWARES
SOLAR ENERGY
PRINT A NEW WORLD USING 3D-PRINTER
DEVELOPMENT AND ADVANCEMENT OF BRAKES AND BRACKING SYSTEM

GREEN ENERGY
NANO BOATS
NUCLEAR REACTOR
MAGNETORHEOLOGICAL ABRASIVE FLOW FINISHING
SPACE ELEVATOR
SELF INFLATING TYRE SYSTEM
NANO DESTRUCTIVE TESTING
NANO GENERATOR
HEAT TRANSFER THROUGH NANO FLUIDS
POWER GENERATING SHOCK ABSORBER
DUEL CLUTCH TRANSMISSION SYSTEM
HIGH SPEED VEHICLES
ADVANCE MAGNETIC BEARING
TECHNOLOGY IN PRODUCT DEVELOPMENT AND LAUNCHING
MAGNETIC REFRIGERATION
ZERO ELECTRICITY AIR CONDITIONING
ARIFICIAL INTELENGENCE AND ROBOTICS
GREEN ENGINE
HYBRID ADVANCED MACHINING PROCESS
THE FUTURE TYRE SYSTEM
HYPER LOOP TRAIN
CRYOGENICS TECHNOLOGY IN ROCKET ENGINE
LASER SHOT PROCESSING
SENSOTRONIC BRAKE CONTROL
SOAP-A FUEL FUTURE AUTOMOBILES
LASER IGNITION SYSTEM FOR INTERNAL COMBUSTION ENGINE
AIR MUSCLES
ACTIVE MAGNETIC BEARING
TAUGHI'S METHOD
RECENT ADVANCEMENT IN MICRO FABRICATION
PARTICLE SWARM OPTIMIZATION METHOD AND ANALYSIS
ADVANCEMENT IN METAL FORMING PROCESSES
MATHEMATICAL ANALYSIS OF MAGNETIC ABRASIVE FINISHING
RECENT RESEARCH IN COOPERATIVE CONTROL OF MULTI VEHICLE SYSTEM
ABRASIVE CLEANING
ACTIVE SAFETY OF GROUND VEHICLE THROUGH ADVANCE SENSING
FUTURE REFRIGERANTS
AQUA SILENCER
ULTRA SONIC METAL WELDING
MULTI AIR ENGINE
NOISE CONTROL IN IC ENGINE
HYBRID SOLAR DESICCANT COOLING SYSTEM
FIVE STROKE INTERNAL COMBUSTION ENGINE
NANO IC ENGINE
CIGS THIN FILM SOLAR CELL
SYNTHESIS OF ENERGY FUEL FROM WASTE PLASTIC AND ASSESSMENT
TOTAL PRODUCTIVE MAINTENANCE

FAILURE MODES EFFECTS AND CRITICALITY ANALYSIS
FAULT TREE ANALYSIS
SIX SIGMA
CONDITION BASED MAINTENANCE
OSMOTIC POWER PLANT
CAR BODY PANEL SERVE AS A BATTREY
ISRO AND ITS FUTURE MISSION
CRYOGENIC HEAT TREATMENT
LEAN BURN TECHNOLOGY
ADVANCES IN SOLAR SELECTIVES COATING
COAL WASTE MANAGEMENT IN THERMAL POWER PLANT
ADVANCE IN DUST REMOVAL PROCESS USED IN CSP TECHNOLOGIES
LOW EMISSION POWER GENERATION
SOLAR VAPOUR ABSORPTION REFRIGERATION SYSTEM

TAGUCHI OPTIMIZATION METHOD AND ANALYSIS

A

Seminar Report

Submitted

in partial fulfillment

for the award of the Degree of

Bachelor of Technology

in Department of

Mechanical Engineering



Supervisor:

Mr. Dilip Gehlot
Asst. Professor

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CERTIFICATE

This is to certify that **Durgesh kr. giri** (10EEAME025) of VIII Semester, B.Tech (Mechanical Engineering) “2010-2014”, has completed a Seminar titled “**TAGUCHI OPTIMIZATION METHOD AND ANALYSIS**” in partial fulfillment for the award of the degree of Bachelor of Technology under Rajasthan Technical University, Kota.

Date:

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The report should be dully signed by concerned guide(s) and strictly on the prescribed format as mentioned below.

➤ Font Name: Times New Roman

➤ Font Size:

❖ Title-16 pt

❖ Subtitle-14 pt

❖ Sub-sub title-12 pt

❖ BodyText-12 pt and Justify

➤ Chapter name should be center aligned.

➤ Top, Bottom, left and Right margins must be 1'' and uniformly same.

References

1. "Performance study of the inverted absorber solar still with water depth and total dissolved solid" Rahul Dev, Sabah A. Abdul-Wahab, G.N. Tiwari, Applied Energy, Vol. 88, pp.252–264.