

NEW ADDED (UPDATION) COURSE

Bachelor Program in Electronics & Communication Engineering		Bachelor Program in Mechanical Engineering	Bachelor Program IN Electrical Engineering
Minimum	10+2 or Diploma Holder	10+2 or Diploma Holder	10+2 or Diploma Holder
Duration	LT-2 years 4 years	LT- 2 years 4 years	LT-2 years 4 years
	Semester 1 Applied Mathematics Applied Physics Manufacturing Processes Electrical Technology Semester 2 Fundamentals of Computing VLSI Design Applied Chemistry Industrial Management Semester 3 Data Communication and Networks Electronic Devices Introduction to Programming Engineering Mechanics Semester 4 Communication Skills Analog Electronics Switching Theory Logic Design Semester 5 Electronic Instruments and Measurements Heat and Mass Transfer Data Structures Signals and Systems Semester 6 Network Analysis and Synthesis Communication Systems Electromagnetic Field Theory Computer Organization and Architecture Semester 7 Communication Skills for Professional Digital Communication Operations Research Microprocessors and Microcontrollers Semester 8 Control Systems Computer-aided manufacturing Digital System Design Project	Semester 1 English Mathematics Physics Engineering Graphics Semester 2 Mathematics Programming Language Electrical Technology Semester 3 Mechanics of Solids Applied Thermodynamics Theory of Mechanics Machine Drawing Semester 4 Fluid Dynamics Dynamics of Machinery Mechanical Engineering Design Electrical Machines and Control Semester 5 Fluid Machines Heat and Mass Transfer Advanced Mechanical Engineering Design Industrial Engineering and Management Semester 6 Internal Combustion Engines Mechanical Vibrations Production Technology Computer-Aided Design Semester 7 Measurement and Instructions Energy Conservation Equipment Operations Research Waste Heat Utilization Semester 8 Advanced Fluid Mechanics Computer-aided manufacturing Automobile Engineering Project	Semester 1 Basic Course in Communicative English Mathematics Engineering Mathematics I Engineering Chemistry - I Engineering Mechanics Semester 2 Basic Course in Human Rights Engineering Mathematics – II Engineering Chemistry – II Basic Civil Engineering Semester 3 Electronic Devices and Circuits I Digital Electronics Energy and Environmental Engineering Network Analysis Semester 4 Microprocessor Numerical Methods and Computer Programming Electrical Technology Electronic Devices and Circuits II Semester 5 Signals and Systems Heat and Mass Transfer Principles of Communication Linear Algebra Semester 6 Electronic Measurements & Instruments Mechanical Vibrations Industrial Instrumentation Computer-Aided Design Semester 7 Industrial Exposure Analog Circuits Operations Research Microcontrollers and Applications Semester 8 Digital Signal Processing Computer-aided manufacturing Electromagnetic Fields Project
Total Fees	48,700/-	48,700/-	48,700/-
Exam Duration	10 Days	10 Days Per Part	10 Days

COURSES	BPEC	BPAE
	Bachelor Program in Electronic Engineering	Bachelor Program in Automobile Engineering
Minimum Qualification	Diploma / HSC	Diploma / HSC
Subjects Covered	<p>Semester 1 Engineering Mathematics Physics for Electronics Engineering Basic Environmental Science & Engineering Basic Electronics Engineering</p> <p>Semester 2 Engineering Graphics VLSI Design Chemistry for Electronics Engineering Industrial Management</p> <p>Semester 3 Communication Skills Basic Electrical Engineering Introduction to Programming Electromagnetic Field Theory</p> <p>Semester 4 Analog Electronics Digital Electronics Logic Design</p> <p>Semester 5 Network Analysis and Synthesis Communication Theory Data Structure and Algorithm Signals and Systems</p> <p>Semester 6 Circuit Design & Simulation Linear Integrated Circuits Electronic Switching Circuits Analog Communication Systems</p> <p>Semester 7 MEMS technology Electronic Measurement & Instrumentation Reliability and Quality Management Microprocessor Theory and Applications</p> <p>Semester 8 Digital Communication and Systems Computer-aided manufacturing Antenna & Wave propagation Electronics Device Modeling Project</p>	<p>Semester 1 Engineering Chemistry Engineering Graphics and Design Engineering Physics Mathematics</p> <p>Semester 2 Automobile Engineering Drawing VLSI Design Basic Engineering Mechanics Industrial Management</p> <p>Semester 3 Basic Electrical and Electronics Engineering Differential Equations and Vector Calculus Automotive Chassis and Suspension System Internal Combustion Engines</p> <p>Semester 4 Computer Programming Theory of Machines Logic Design</p> <p>Semester 5 Automotive Structures and Design Communication Theory Manufacturing Technology Automotive Electrical and Electronics</p> <p>Semester 6 Automotive Engine Component Design Linear Integrated Circuits Computer-Aided Vehicle Design Analog Communication Systems</p> <p>Semester 7 Alternative Fuel and Energy System Vehicle Dynamics and Structure Reliability and Quality Management Introduction to AI, ML, and Emerging Technologies</p> <p>Semester 8 Engine and Vehicle Management System Computer-aided manufacturing Automotive Safety Vehicle Body Engineering Project</p>
Total Fees	48,700/-	48,700/-
Duration (Fast Track & Regular track)	2 -4 Years	2 -4 Years
Exam Duration	10 Days	10 Days

ELECTRONICS & COMMUNICATION

COURSES	DEC	DEE	MEC
Minimum Qualification	Diploma in Electronics & Communication	Diploma in Electronics & Communication	Master in Electronics & Communication
Subjects Covered	SSC	Diploma / HSC	Graduate / Diploma (with work Experience)
	<ul style="list-style-type: none"> o Electronics-I o Electrical Principle-I o Electronic Design o Embedded system o Digital System Integration 	Part -1 Semester 1 Applied Mathematics Applied Physics Manufacturing Processes Electrical Technology Semester 2 Fundamentals of Computing VLSI Design Applied Chemistry Industrial Management Semester 3 Data Communication and Networks Electronic Devices Introduction to Programming Engineering Mechanics Semester 4 Communication Skills Analog Electronics Switching Theory Logic Design Semester 5 Electronic Instruments and Measurements Heat and Mass Transfer Data Structures Signals and Systems Semester 6 Network Analysis and Synthesis Communication Systems Electromagnetic Field Theory Computer Organization and Architecture	Part -1 Electronics-I Computer Programming Electrical Principle-I Electronics Design Manufacture & Test Electronic-II Embedded System Electrical Principle-II Part-2 Signal Analysis & Control & Communication Systems Digital System Integration Analogue System Integration Real Time System Communication Project (Communication) Electronics-I
Total Fees	20,700/-	38,700/-	40.700/-
Duration (Fast Track & Regular track)	6 months 1 year	1.5 year 3 years	1 year 2 years
Exam Duration	10 Days	10 Days	10 Days

CIVIL ENGINEERING

COURSES	DCE Diploma in Civil Engineering	DCE Diploma in Civil Engineering	DCE Diploma in Civil Engineering	MCE Master in Civil Engineering
Minimum Qualification	SSC	Diploma / SSC	ITI	Graduate / Diploma
Subjects	<ul style="list-style-type: none"> o Engg. Mechanics o Engg. Drawing o Elements of Civil 	<p>Semester 1</p> <ul style="list-style-type: none"> Applied Physics C Programming and Data Structures Calculus Elements of Civil Engineering <p>Semester 2</p> <ul style="list-style-type: none"> Engineering Chemistry Applied Mechanics Engineering Graphics Surveying <p>Semester 3</p> <ul style="list-style-type: none"> Fluid Mechanics Strength of Materials Building Materials, Construction and Planning Statistics & Probability <p>Semester 4</p> <ul style="list-style-type: none"> Basic Electrical and Electronics Engineering Concrete Technology Hydraulics and Hydraulics Machinery Construction Engineering <p>Semester 5</p> <ul style="list-style-type: none"> Geotechnical Engineering Hydrology & Water Resources Structural Engineering Transportation Engineering <p>Semester 6</p> <ul style="list-style-type: none"> Steel Structures Concrete Structures Estimation, Costing & Evaluation Environmental 	<p>Part -1</p> <ul style="list-style-type: none"> Engg. Mechanics Engg. Drawing <p>Elements of Civil Engineering</p> <ul style="list-style-type: none"> Building Construction Surveying Transportation <p>Part-2</p> <ul style="list-style-type: none"> Structures Computers Foundation Design Irrigation Engineering Cost and Valuation Steel Structure Environmental Technology 	<p>Part -1</p> <ul style="list-style-type: none"> Engg. Mechanics Engg. Drawing Elements of Civil Engineering Building Construction Surveying Transportation <p>Part-2</p> <ul style="list-style-type: none"> Structures Computers Foundation Design Irrigation Engineering Cost and Valuation Steel Structure Environmental Technology
Total Fees	20,700/-	38,700/-	25,700/-	40,700/-
Duration (Fast Track & Regular track)	6 months - 1 year	1.5 year – 3 years	1 year – 2 years	1 year – 2 years
Exam Duration	10 Days	10 Days	10 Days	10 Days

AUTOMOBILE ENGINEERING

COURSES	DAE Diploma in Automobile	DAE Diploma in Automobile Engineering	DAE Diploma in Automobile Engineering	MAE Master in Automobile Engineering
Minimum Qualification	SSC	Diploma / HSC	Graduate / Diploma	Graduate / Diploma
Subjects Covered	Eng. Mechanics Automobile Drafting & Drawing Thermodynamics & Hydraulics Materials & Manufacturing Technology Auto Transmission & Mechanism Automobile Electrical Systems Eng. Mechanics Automobile Drafting & Drawing Thermodynamics & Hydraulics Materials & Manufacturing	Semester 1 Engineering Chemistry Engineering Graphics and Design <u>Engineering Physics</u> Mathematics Semester 2 Automobile Engineering Drawing VLSI Design Basic Engineering Mechanics Industrial Management Semester 3 Basic Electrical and Electronics Engineering Differential Equations and Vector Calculus Automotive Chassis and Suspension System Internal Combustion Engines Semester 4 Computer Programming Theory of Machines Logic Design Semester 5 Automotive Structures and Design Communication Theory Manufacturing Technology Automotive Electrical and Electronics Semester 6 Automotive Engine Component Design Linear Integrated Circuits Computer-Aided Vehicle Design Analog Communication Systems	Part -1 Eng. Mechanics Automobile Drafting & Drawing Thermodynamics & Hydraulics Materials & Manufacturing Technology Auto Transmission & Mechanism Part-2 Automobile Engines Auto Transmission & Mechanism Earth Moving Machinery Automobile Pollution Control Eng. Eng. Vehicle Air Conditioning Tractor & Farm Equipment	Part -1 Eng. Mechanics Automobile Drafting & Drawing Thermodynamics & Hydraulics Materials & Manufacturing Technology Auto Transmission & Mechanism Part-2 Auto Transmission & Mechanism Automobile Electrical Systems Earth Moving Machinery Automobile Pollution Control Eng. Vehicle Air Conditioning Road Transport Organization Auto Transmission & Mechanism
Total Fees	20,700/-	38,700/-	25,700/-	40,700/-
Duration (Fast Track & Regular track)	6 months - 1 year	1.5 year – 3 years	1 year – 2 years	1 year – 2 years
Exam Duration	10 Days	10 Days	10 Days	10 Days

ITI – ELECTRICIAN

Minimum Qualification	H.S.C / S.S. C or Diploma Holder
Total Fees	Rs.40 ,700 /-
Duration Fasttrack Regular	1 year 2 years

	SEM I: Introduction to Engine Hydraulics and Pneumatics Non-Destructive Testing Heat Treatment Welding	SEM II: Basic Electronics Battery Basic Electricity Sheet Metal Working Project
Subjects covered	SEM III: Reaming Taps and Dies Drilling Fits and Tolerances Cutting Tools	SEM IV: Fasteners Hand and Power Tools Systems of Measurement Occupational Safety and Health Project

ITI – DIESEL MECHANICS

Minimum Qualification	S.S.C / H.S.C or Diploma Holder	
Total Fees	Rs.40,700/-	
Duration Fastrack Regular	1year 2years	
	SEMI: ELECTRICIAN THEORY ENGINEERING DRAWING WORKSHOP CALCULATION EMPLOYBITY SKILLS PRACTICAL	SEMII: ELECTRIC WIRING, WIRING SYSTEMS ENGINEERING DRAWING II STUDY OF FACES, RELAYS, PRINCIPLE OF D.C. GENERATOR WORKING PRINCIPLE OF TRANSFORMER
Subjects covered	SEMIII: THREE PHASE INDUCTION MOTOR ALTERNATOR SYNCHRONOUS MOTOR TRANSFORMER WINDING INDUSTRIAL WIRING	SEMIV: DOMESTIC APPLIANCES POWER GENERATION HYDRO ELECTRIC, TRANSMISSION OF ELECTRICAL POWER PROJECT WORK

Bachelor of Commerce (B.Com)

Minimum Qualification	10+2 or Diploma Holder	
Total Fees	Rs.60,700/-	
Duration Fasttrack Regular	1 year 3 years	
Subjects covered	SEM I: Principles of Management Financial Accounting – I Fundamentals of Microeconomics Mathematics & Statistics- I	SEM II: Financial Accounting – II Advanced Microeconomics Business management Mathematics for Finance - II

Bachelor of Arts (B.A)

Minimum Qualification	10+2 or Diploma Holder	
Total Fees	Rs.60,700/-	
Duration Fast track Regular	1 year 3 years	
Subjects covered	SEM I: Political Theory Comparative Government and Politics Principles of Public Administration International Politics	SEM II: International Politics Colonialism in India Nationalism in India Constitutional Democracy

Bachelor of Business Administration (BBA)

Minimum Qualification	10+2 / or Diploma Holder
Total Fees	Rs.75,700/-
<u>Duration</u> Fast track Regular	1 year 3 years
Subjects covered	<p>SEM I: Principles of Management Financial Accountancy Computer Applications Project</p> <p>SEM II: Effective Communication 1 Principles of Management II</p> <p>SEM III: Business Environment Management Accounting II Business Law II</p> <p>SEM IV: Effective Communication 1</p> <p>SEM V: Operation Management Marketing Management Direct Taxes Research Management</p> <p>SEM VI: Marketing Export Management Consumer Behaviour Project Study</p>

MECHANICAL ENGINEERING

COURSE	DME Advance-Diploma in Mechanical Engineering	DME Diploma in Mechanical Engineering	DME Post Graduate Diploma in Mechanical Engineering	MME Master in Mechanical Engineering
Minimum Qualification	S.S.C	10+2 or Diploma Holder	Graduate or Diploma	Graduate or Diploma
Duration	6 months 1 year	1.5 year 3 years	1 Year 2 Years	1 Year 2 Years
Subjects Covered	Engg. Mechanics • Engg. Drawings • Theory of Machines • Applied Thermodynamics • Strength of Materials • Machine Elements	Semester 1 English Mathematics Physics Engineering Graphics Semester 2 Mathematics Programming Language Electrical Technology Semester 3 Mechanics of Solids Applied Thermodynamics Theory of Mechanics Machine Drawing Semester 4 Fluid Dynamics Dynamics of Machinery Mechanical Engineering Design Electrical Machines and Control Semester 5 Fluid Machines Heat and Mass Transfer Advanced Mechanical Engineering Design Industrial Engineering and Management Semester 6 Internal Combustion Engines Mechanical Vibrations Production Technology Computer Aided Design	Part I • Engg. Mechanics • Engg. Drawings • Theory Of Machines • Applied Thermodynamics • Strength of Materials Part II • Machine Elements • Instrumentation • Fluid Mechanic • Refrigeration and Air Conditioning • Manufacturing	Part I • Engg. Mechanics • Engg. Drawings • Theory of Machines • Applied Thermodynamics • Strength of Materials Part II • Machine Elements • Instrumentation • Fluid Mechanic • Refrigeration and Air Conditioning • Manufacturing
Total Fees	20,700/-	38,700/-	25,700/-	40,700/-
Exam Duration	10 Days	10 Days (Per Part)	10 Days	10 Days

COMPUTERS

COURSES	DCA Diploma in Computer Application	BCA Bachelor in Computer Application	PGDCA Post Graduate Diploma In Computer Application	MCA Master in Computer Application
Minimum Qualification	SSC	Diploma / HSC	Graduate / Diploma	Graduate / Diploma
Subjects Covered	Internet Database Computer Networks Computer Graphics Operating Systems Multimedia Web Application	Semester I Financial Accounting Statistics I Introduction To Programming Using C Digital Computer Fundamentals Semester II Basic Discrete Mathematics Data Structures Data Structures Operating Systems Semester III Interpersonal Communication Introductory Algebra Software Engineering Database Management System Semester IV Computer Networks Programming In Java DBMS Project Web Technology	Part-1 Internet Database Computer Networks Software Engineering Operating Systems Multimedia Part-2 Oracle 9i TCP/IP Computer Graphics Visual Basic 6 Java 2 C ++	Part-1 Internet Database Computer Networks Software Engineering Part-2 Operating Systems Project 2002 Multimedia Web Application Visual Basic 6 Java 2 C ++
Total Fees	20700/-	38700/-	25700/-	40700/-
Duration (Fast Track & Regular track)	6 months - 1 year	1.5 year – 3 years	6 MONTHS – 1 years	1 year – 2 years
Exam Duration	10 Days	10 Days	10 Days	10 Days
Total Fees	20,700/-	38,700/-	25,700/-	40,700/-

