







PIMPRI CHINCHWAD EDUCATION TRUST'S (PCET'S) & NUTAN MAHARASHTRA VIDYA PRASARAK MANDAL'S (NMVPM'S)

# NUTAN MAHARASHTRA INSTITUTE OF ENGINEERING & TECHNOLOGY (NMIET) TALEGAON DABHADE, PUNE 410507 Bachelor of Vocational Program (B.Voc.)

Three Years Skill Based Degree Program

Approved by AICTE - New Delhi & Govt. of Maharashtra, DTE Mumbai Affiliated to Savitribai Phule University (SPPU), Pune

### B.VOC. PROGRAM (Under SPPU)

NSQF Level - 7, Three Years Graduation Program

Sr.nc	Program	Intake	Mult	tiple Entry /	<b>Exit Options</b>	5
01	Graphics & Multimedia	30	Award	Diploma	Advanced	<b>B.Voc</b>
02	Automotive Manufacturing Technology	30		-	Diploma	Degree
03	Software Development	30	Duration	1 Year	2 Year	3 Year
04	Refrigeration & Air Conditioning	30	NSQF Level	5	6	7

Eligibility

**First Year B.Voc**<sup>\*</sup> = 12th Passed with any Stream (Science, Commerce, Arts) or 10th + 2 Years ITI or 3 Year Diploma after 10th or 2 Year Diploma after 12th

NSQF Level 4 in respective subject

#### Why B.VOC Program

- + On Job Training in Company from day one.
- 60% On Job Training in Industry and 40% Theory in College.
- B.Voc. Degree is Equivalent to any other bachelor degree granted by UGC/ AICTE/ University.
- After Completion of 1st Year B.Voc Program Stuents are eligible for Direct 2nd Year Engineering Admission.
- + Stipend during on job training on merit basis.
- Credit based program with Multiple ENTRY and Multiple EXIT option.

Second Year B.Voc\* = 3 Year Diploma after 10th or 2 Year Diploma after 12th in related branch

NSQF Level 5 in respective subject

Third Year B.Voc\* =

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NSQF Level 6 in respective subject
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(\*as per AICTE/SPPU guidelines)

- B.Voc Degree holder is eligible for all state / central government examinations / jobs and Higher Studies.
- If a candidate is unable to complete B. Voc program, student is still awarded a certificate of diploma after successful completion of the first year or an advance diploma after successful completion of the second year.
- NSQF Level certificates will be provided during the program.



#### Graphics & Multimedia

#### Intake -30

## Year 1

Semester I
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Sr.no	Theory
01	Web Applications
02	Communication Skill-I
03	Graphic Design
	(Basic Sketching and Human Anatomy in
	Drawing)
04	Illustration And Photo-Editing
Sr.no	LAB/PRACTICAL
01	Web Applications -Lab
01 02	
•-	Web Applications -Lab
02	Web Applications -Lab Illustration And Photo-Editing -Lab
•-	Web Applications -Lab

- 02 Storyboard Artist MES/Q0507
- 03 Editor MES/Q1401

Year 2

#### Semester III

Theory
Principles of Animation and Techniques
of Animation
Basic of 3-D Modelling
Texture and Lighting
Communication Skill-III

Sr.no	LAB/PRACTICAL
01	Digital Animation with Flash - Lab
02	Maya - Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Modeller MES/Q2501
02	Animator MES/Q0701
03	Rendering Artist MES/Q3503

Year 3

Semester V

Sr.no	Theory
01	Digital Compositing
02	3 D Texturing
03	Basic of Accounts-I
04	Computer Graphics

Sr.no	Lab/practical
01	Digital Compositing-Lab
02	3 D Texturing -Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Compositor MES/Q3505
02	Texturing Artist MES/Q2503
03	Rigging Artist MES/Q2502

#### Semester II

Sr.no	Theory
01	Pre-Production
02	Audio Editing
03	Video Editing
04	Communication Skill- II

Sr.no	LAB/PRACTICAL
01	Audio Editing-lab
02	Video Editing-lab
Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	One more QJT from Semester I

#### **Semester IV**

Sr.no	Theory
01	3 D Animation
02	Introduction to 3 D Motion Graphics & VFX
03	Introduction to Rendering
04	Communication Skill-IV

Sr.no	LAB/PRACTICAL
01	3 D Animation Lab
02	Rendering-Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	One more QJT from Semester I

#### Semester VI

Sr.no	Theory
01	Muscle System
02	Rigging
03	Advanced Modelling with Z - Brush

04 Basics of Accounts-II

Sr.no	LAB/PRACTICAL
01	Maya Muscle - Lab
02	Rigging with Maya Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	One more QJT from Semester V

### Automotive Manufacturing Technology

Intake -30

Vear 1      Semester I      Semester II        Sr.no      Theory      1      Motor Welcle Technology -II      1        Q1      Automobile Electrical Equipment      1      1      Magement        Q3      Automobile Electrical Equipment      1      1      Magement      1        Q3      Modern Electrical Shybrid Vehicles      01      Project      01      Project        Sr.no      CLE/PRACTICAL      01      Project      01      Project        Q1      Automobile Electrical System      01      Tool Designer      03      01      Fronto Designer      03      01      Tool Designer      03      01      Automobile Electrical System      01      Automobile Engines      02      Automobile Engines      02      Automobile Engines      02      Automobile Engines      01      Automobile Engines      02      Automobile Engines      02      Automobile Engines      02      Automobile Engines      02      02				
01    Motor Vehicle Technology -II    01    Industrial Management      02    Automobile Electrical Equipment    02    Total Quality Management      03    Two and Three Wheeler    03    Entrepreneurship      04    Modern Electric & Hybrid Vehicles    04    Rapid Prototyping & Reverse Engg.      01    Matrology And Measuring Instruments    01    Project      02    Electric And Hybrid Vehicles - Lab    01    Project      01    Automotive Service Technician    01    Tool Designer      02    Spare Parts Operations Executive    03    One more QJT from Semester I      01    Automobile Eraving & Design    03    Automobile Engine Systems      02    Automobile Engines    01    Automobile Engine Systems      03    Automobile Braving & Design    03    Vehicle Performance and Testing      04    Mass Production Devices    Sr.no    LAB/PRACTICAL    01      03    Automobile Ming Lab    Sr.no    LAB/PRACTICAL    01    Automobile Workshop - 1      03    Automobile Workshop - 1    01    Automotive RAC Lab    01    Process Design Engineer      03 <th>Year 1</th> <th>Semester I</th> <th></th> <th>Semester II</th>	Year 1	Semester I		Semester II
01    Motor Vehicle Technology -II    01    Industrial Management      02    Automobile Electrical Equipment    02    Total Quality Management      03    Two and Three Wheeler    03    Entrepreneurship      04    Modern Electric 6 Hybrid Vehicles    04    Rapid Prototyping 8 Reverse Engg.      01    Metrology And Measuring Instruments    01    Fr.no    LAB/PRACTICAL    01      01    Metrology And Measuring Instruments    01    Fr.no    LAB/PRACTICAL    01      02    Electric And Hybrid Vehicles - Lab    01    Project    01    Automobile Electrical Equipment Designer      03    Spare Parts Operations Executive    03    One more QJT from Semester I      03    Automobile Engines (Layout Design    03    Automobile Engine Systems      03    Automobile Brayning 8 Design    03    Automobile Brayning 9 Design      03    Automobile Brayning 9 Design    03    Automobile Brayning 9 Design      03    Automobile Workshop - I    01    Automobile Workshop - I      03    Automobile Workshop - I    01    Automotive RAC Lab      04    Automobile Workshop - I    01	Sr.no	Theory	Sr.no	Theory
02  Automobile Electrical Equipment  03  Total Quality Management    03  Two and Three Wheeler  04  Rapid Prototyping 8 Reverse Engg.    04  Modern Electric 8 Hybrid Vehicles  04  Rapid Prototyping 8 Reverse Engg.    01  Metrology And Measuring Instruments  01  Project    02  Sr.no  CN-JOB-TRAINING (OJT) (ANY ONE)  01    03  Industrial Engineer (Layout Design)  01  Tool Designer    03  Spare Parts Operations Executive  01  Tool Designer    03  Automobile Electrical System  02  Equipment Designer    04  Mass Production Devices  Sr.no  CMS/PRACTICAL    01  Automobile Electrical System  02  Automobile Engines Systems    02  Automobile Electrical System  02  Automobile Engines Systems    03  Automobile Workshop - 1  01  Automotive RAC Lab    04  Mass Production Devices  Sr.no  ON-JOB-TRAINING (OJT) (ANY ONE)    01  Automobile Workshop - 1  01  Automotive RAC Lab    02  Tool 8 Die Making Lab  Sr.no  ON-JOB-TRAINING (OJT) (ANY ONE)    01  Automotive Service Technician  02  Quality Controller    02  Automotive System Design				
03  Two and Three Wheeler  03  Entrepreneurship    04  Modern Electric & Hybrid Vehicles  04  Rapid Prototyping & Reverse Engg.    04  Metrology And Measuring Instruments  01  Project    01  Metrology And Measuring Instruments  01  Project    02  Electric And Hybrid Vehicles - Lab  01  Project    01  Automotive Service Technician  01  Fold Designer    02  Sare Parts Operations Executive  01  Fold Designer    03  Entrepreneurship  01  Fold Designer    03  Entrepreneurship  01  Project	02		02	
Sr.no    LAB/PRACTICAL      01    Metrology And Measuring Instruments      02    Electric And Hybrid Vehicles - Lab      Sr.no    ON-JOB-TRAINING (OJT) (ANY ONE)      01    Automotive Service Technician      02    Spare Parts Operations Executive      03    Industrial Engineer (Layout Design)      Vear 2    Semester III      Sr.no    Industrial Engineer (Layout Design)      01    Automobile Electrical System      02    Automobile Electrical System      03    Automobile Electrical System      04    Mass Production Devices      04    Mass Production Devices      Sr.no    LAB/PRACTICAL      01    Automobile Vorkshop - I      02    Tool & Die Making Lab      Sr.no    IAB/PRACTICAL      Sr.no    IAB/PRACTICAL      01    Automobile Vorkshop - I      02    Tool & Die Making Lab      Sr.no    ON-JOB-TRAINING (OJT) (ANY ONE)      Sr.no    IAB/PRACTICAL      02    Automotive Service Technician      03    Assembly Line Machine Setter      03    Chautatina Engines Setter V <td>03</td> <td>Two and Three Wheeler</td> <td>03</td> <td></td>	03	Two and Three Wheeler	03	
01    Metrology And Measuring Instruments      02    Electric And Hybrid Vehicles - Lab      01    Automotive Service Technician      01    Automotive Service Technician      02    Spare Parts Operations Executive      03    Industrial Engineer (Layout Design)      01    Automobile Electrical System      02    Semester III      Semester II    Semester IV      Sr.no    Theory      01    Automobile Engines      02    Automobile Engines      03    Automobile Engines      04    Mass Production Devices      Sr.no    LAB/PRACTICAL      01    Automobile Service Technician      02    Tool & Die Making Lab      Sr.no    ON-JOB-TRAINING (OJT) (ANY ONE)      01    Automobile System Collisit      02    Tool & Die Making Lab      Sr.no    ON-JOB-TRAINING (OJT) (ANY ONE)      01    Automotive Rave System Collisit      02    Automotive System Design      03    Assembly Line Machine Setter      Sr.no    ON-JOB-TRAINING (OJT) (ANY ONE)      01    Automotive System Design	04	Modern Electric & Hybrid Vehicles	04	
02    Electric And Hybrid Vehicles - Lab      Sr.no    ON-JOB-TRAINING (OJT) (ANY ONE)      01    Automotive Service Technician      02    Spare Parts Operations Executive      03    Industrial Engineer (Layout Design)      Vear 2    Semester III      Sr.no    Theory      01    Automobile Engines System      02    Automobile Engines (Layout Design)      OA    Automobile Engines Systems      OA    Automobile Engines Systems      OA    Automobile Engines Systems      OA    Automobile Engines Systems      OA    Mass Production Devices      Sr.no    LAB/PRACTICAL      OI    Automotive Service Technician      O2    Automotive Service Technician	Sr.no	LAB/PRACTICAL	Sr.no	LAB/PRACTICAL
01    Automotive Service Technician    01    Tool Designer      02    Spare Parts Operations Executive    02    Equipment Designer      03    Industrial Engineer (Layout Design)    03    One more QJT from Semester I      Vear 2    Semester III    Semester IV      Variation 2    Semester III    Semester IV      01    Automobile Electrical System    02    Automobile Engine Systems      03    Automobile Drawing 6 Design    03    Vehicle Performance and Testing      04    Mass Production Devices    Sr.no    LAB/PRACTICAL      01    Automobile Workshop - 1    02    Vehicle Performance and Testing Lab      Sr.no    ON-JOB-TRAINING (OJT) (ANY ONE)    01    Automotive Service Technician      02    Automotive Service Technician    02    Oulaity Controller      03    Automotive System Design    01    Process Design Engineer      04    CAD & S CAM Lab    Sr.no    N-JOB-TRAINING (OJT) (ANY ONE)      01    Automotive System Design    01    Process Design Engineer      02    Automotive System Design    01    Vehicle Safety      02    Design of Automo			01	Project
02    Spare Parts Operations Executive Industrial Engineer (Layout Design)    02    Equipment Designer 03    One more QJT from Semester I      03    Industrial Engineer (Layout Design)    03    One more QJT from Semester I      Vear 2    Semester III    Semester IV      Str.no    Theory    01    Automobile Electrical System      02    Automobile Engines    04    Automobile Engines      04    Mass Production Devices    04    Electrical & Hybrid Vehicles - II      01    Automobile Workshop - I    02    Automotive RAC Lab      02    Tool & Die Making Lab    Str.no <b>LAB/PRACTICAL</b> 01    Automotive Service Technician    02    One more QJT from Semester III      01    Automotive Service Technician    02    One more QJT from Semester III      01    Automotive System Design    01    Process Design Engineer      02    Automotive System Design    01    Vehicle Safety      03    Industrial Eng. & Safety Eng.    01    Vehicle Safety      04    CAD & CAD & CAM    Sr.no <b>LAB/PRACTICAL</b> 01    Automotive System Design    01    Vehicle Safety </td <td>Sr.no</td> <td>ON-JOB-TRAINING (OJT) (ANY ONE)</td> <td>Sr.no</td> <td>ON-JOB-TRAINING (OJT) (ANY ONE)</td>	Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)	Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
03    Industrial Engineer (Layout Design)    03    One more QJT from Semester I      Vear 2    Semester III    Semester IV      Sr.no    Theory    01    Automobile Electrical System      01    Automobile Engine Systems    02    Automobile Engine Systems      03    Automobile Engine Systems    02    Automobile Engine Systems      04    Mass Production Devices    04    Electrical & Hybrid Vehicles - II      01    Automobile Workshop - I    02    Vehicle Performance and Testing      02    Tool & Die Making Lab    01    Automotive RAC Lab    02      02    Tool & Die Making Lab    01    Process Design Engineer    02      02    Automotive Service Technician    01    Process Design Engineer    02      02    Automotive System Design    01    Process Design Engineer    02      03    Industrial Eng. & Safety Eng.    01    Vehicle Safety    03      04    CAD & CAD & CAM    Sr.no    Theory    01    Vehicle Safety      03    Industrial Eng. & Safety Eng.    01    Vehicle Safety    03    Production Planning & Control	01		01	Tool Designer
Year 2    Semester III    Semester IV      Sr.no    Theory    01    Automobile Electrical System      02    Automobile Engines    02    Automobile Engines      03    Automobile Engines    02    Automobile Engines      04    Mass Production Devices    01    Automobile Performance and Testing      04    Mass Production Devices    01    Automobile Workshop - 1      02    Tool & Die Making Lab    01    Automotive RAC Lab      02    Tool & Die Making Lab    01    Automotive RAC Lab      02    Tool & Die Making Lab    01    Automotive RAC Lab      02    Tool & Die Making Lab    01    Automotive RAC Lab      02    Tool & Die Making Lab    01    Process Design Engineer      02    Automotive Service Technician    02    Quilty Controller      03    Assembly Line Machine Setter    01    Process Design Engineer      02    Automotive System Design    01    Process Design Engineer      03    Industrial Eng. 9. Safety Eng.    01    Product Inaning & Control      04    EAB/PRACTICAL    01    Project			02	Equipment Designer
Sr.no    Theory    Sr.no    Theory      01    Automobile Electrical System    01    Automobile Engine Systems      03    Automobile Engines    02    Automobile Engine Systems      04    Mass Production Devices    02    Automobile Engine Systems      04    Mass Production Devices    04    Electrical & Hybrid Vehicles - II      01    Automobile Workshop - 1    02    Tool & Die Making Lab      02    Tool & Die Making Lab    Sr.no <b>LAB/PRACTICAL</b> 01    Automotive Service Technician    02    Vehicle Performance and Testing Lab      01    Automotive Service Technician    02    Vehicle Performance and Testing Lab      01    Automotive Service Technician    02    Vehicle Performance and Testing Lab      01    Automotive Service Technician    02    Vehicle Performance and Testing Lab      01    Automotive Service Technician    03    One more QJT from Semester III      01    Automotive System Design    01    Process Design Engineer      02    Plant Layout & Product Handling    01    Vehicle Safety      02    Plant Layout & Safety Engg.    01    Vehicle Sa	03	Industrial Engineer (Layout Design)	03	One more QJT from Semester I
01    Automobile Engine Systems      02    Automobile Drawing & Design      03    Automobile Engines      04    Mass Production Devices      01    Automobile Engines      02    Automobile Engines      04    Mass Production Devices      05    Automobile Workshop - I      02    Tool & Die Making Lab      01    Automobile Production RAC Lab      02    Tool & Die Making Lab      01    Automotive RAC Lab      02    Tool & Die Making Lab      01    Automotive RAC Lab      02    Tool & Die Making Lab      01    Automotive RAC Lab      02    Vehicle Performance and Testing Lab      Sr.no    ON-JOB-TRAINING (OJT) (ANY ONE)      01    Automotive Service Technician      02    Automotive Service Technician      03    Assembly Line Machine Setter      01    Automotive Service Technician      02    Quality Controller      03    Assembly Line Machine Setter      01    Automotive System Design      02    Plant Layout & Product Handling      03	Year 2	Semester III		Semester IV
01    Automobile Engine Systems      02    Automobile Drawing & Design      03    Automobile Engines      04    Mass Production Devices      05    Automobile Engines      04    Mass Production Devices      05    Automobile Engines      04    Mass Production Devices      05    Automobile Workshop - I      02    Tool & Die Making Lab      01    Automotive RAC Lab      02    Tool & Die Making Lab      01    Automotive RAC Lab      02    Tool & Die Making Lab      01    Automotive RAC Lab      02    Tool & Die Making Lab      01    Automotive RAC Lab      02    Vehicle Performance and Testing Lab      Sr.no    ON-JOB-TRAINING (OJT) (ANY ONE)      01    Automotive Service Technician      02    Automotive Service Technician      03    Assembly Line Machine Setter      01    Automotive System Design      02    Plant Layout & Product Handling      03    Industrial Eng. & Safety Eng.      04    CAD & CAM      02    Design of Automot	Srno	Theory	Srno	Theory
02    Automobile Drawing & Design    03      03    Automobile Engines    03    Vehicle Performance and Testing      04    Mass Production Devices    04    Electrical & Hybrid Vehicles - II      01    Automobile Workshop - I    02    Vehicle Performance and Testing      02    Tool & Die Making Lab    01    Automotive RAC Lab      02    Tool & Die Making Lab    01    Automotive RAC Lab      03    Vehicle Performance and Testing Lab    02      04    Mass Production Devices    01    Automotive RAC Lab      02    Tool & Die Making Lab    01    Automotive RAC Lab      02    Vehicle Performance and Testing Lab    02      03    Automotive Service Technician    02    01      04    Automotive Service Technician    02    Ouality Controller      03    Assembly Line Machine Setter    03    One more QJT from Semester III      Year 3    Semester V      Sr.no    Theory      01    Automotive System Design      02    Plant Layout & Product Handling      03    Industrial Eng. & Safety Eng.				
03    Automobile Engines    03    Vehicle Performance and Testing      04    Mass Production Devices    03    Vehicle Performance and Testing      04    Mass Production Devices    04    Electrical & Hybrid Vehicles - II      01    Automobile Workshop - I    01    Automotive RAC Lab      02    Tool & Die Making Lab    01    Automotive RAC Lab      02    Vehicle Performance and Testing Lab    02      Sr.no    ON-JOB-TRAINING (OJT) (ANY ONE)    01    Automotive RAC Lab      01    Automotive Service Technician    02    Vehicle Performance and Testing Lab      Sr.no    ON-JOB-TRAINING (OJT) (ANY ONE)    01    Process Design Engineer      02    Ouality Controller    03    One more OJT from Semester III      Vear 3    Semester V    Semester VI      Sr.no    Theory    01    Vehicle Safety      02    Plant Layout & Product Handling    03    Production Planning & Control      03    Industrial Eng. & Safety Eng.    02    Agile & Lean Manufacturing System      03    Industrial Eng. & Safety Eng.    01    Production Planning & Control      04    CAD				
04    Mass Production Devices    04    Electrical δ Hybrid Vehicles - II      01    Automobile Workshop - I    01    Automobile Workshop - I    01      02    Tool δ Die Making Lab    01    Automotive RAC Lab    02      01    Automotive Service Technician    02    Vehicle Performance and Testing Lab      01    Automotive Service Technician    01    Process Design Engineer      02    Automation Specialist    01    Process Design Engineer      03    Assembly Line Machine Setter    01    Vehicle Safety      01    Automotive System Design    01    Vehicle Safety      02    Plant Layout θ Product Handling    01    Vehicle Safety      03    Industrial Engg. θ Safety Engg.    01    Vehicle Safety      04    CAD δ CAM    01    Project      01    CAD δ CAM Lab    01    Project      02    Design of Automotive Systems Lab    Sr.no <b>NAB/PRACTICAL</b> 01    CAD δ CAM Lab    01    Project      02    Design of Automotive Systems Lab    Sr.no <b>ON-JOB-TRAINING (OJT) (ANY ONE)</b> 01    Spare Part				
Sr.noLAB/PRACTICAL01Automobile Workshop - I02Tool & Die Making Lab01Automobile Workshop - I02Tool & Die Making Lab01Automotive RAC Lab02Tool & Die Making Lab01Automotive Service Technician02Automation Specialist03Assembly Line Machine Setter03Assembly Line Machine Setter01Automotive System Design02Plant Layout & Product Handling03Industrial Engg. & Safety Engg.04CAD & CAMSr.noILB/PRACTICAL01CAD & CAM Lab02Design of Automotive Systems LabSr.noON-JOB-TRAINING (OJT) (ANY ONE)01Spare Parts Operations Incharge02Body Shop In-Charge03Spare Parts Operations Incharge02Product Design Manager		-		•
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02Tool & Die Making Lab02Vehicle Performance and Testing Lab01Automotive Service Technician01Process Design Engineer02Automation Specialist01Process Design Engineer03Assembly Line Machine Setter03One more QJT from Semester IIIYear 3Semester VSemester VISr.noTheory01Automotive System Design02Plant Layout & Product Handling03Industrial Engg. & Safety Engg.03Industrial Engg. & Safety Engg.03Production Planning & Control01CAD & CAMSr.noLAB/PRACTICAL0102Design of Automotive Systems LabSr.noON-JOB-TRAINING (OJT) (ANY ONE)01Spare Parts Operations Incharge02Product Design Manager02Body Shop In-Charge01Testing Manager02Product Design Manager01Testing Manager			Sr.no	
Sr.noON-JOB-TRAINING (OJT) (ANY ONE)01Automotive Service Technician02Automation Specialist03Assembly Line Machine Setter03Assembly Line Machine Setter04Semester VVear 3Semester VSr.noTheory01Automotive System Design02Plant Layout & Product Handling03Industrial Engg. & Safety Engg.04CAD & CAMSr.noLAB/PRACTICAL01CAD & CAM Lab02Design of Automotive Systems Lab03Spare Parts Operations Incharge04Spare Parts Operations Incharge02Body Shop In-Charge03Spare Manager04Spare Parts Operations Incharge01Testing Manager02Product Design Manager				
01    Automotive Service Technician    01    Process Design Engineer      02    Automation Specialist    02    Quality Controller      03    Assembly Line Machine Setter    03    One more QJT from Semester III      Year 3    Semester V      Semester V      Semester VI      Sr.no    Theory      01    Automotive System Design    01    Vehicle Safety      02    Plant Layout & Product Handling    02    Agile & Lean Manufacturing System      03    Industrial Eng. & Safety Engg.    03    Production Planning & Control      04    CAD & CAM    Sr.no    LAB/PRACTICAL    01      01    CAD & CAM Lab    01    Project      02    Design of Automotive Systems Lab    01    Project      01    Spare Parts Operations Incharge    01    Testing Manager      02    Body Shop In-Charge    01    Testing Manager      02    Product Design Manager    02    Product Design Manager	02	Tool & Die Making Lab	02	Vehicle Performance and Testing Lab
01    Automotive Service Technician    01    Process Design Engineer      02    Automation Specialist    02    Quality Controller      03    Assembly Line Machine Setter    03    One more QJT from Semester III      Year 3    Semester V      Semester V      Semester VI      Sr.no    Theory      01    Automotive System Design    01    Vehicle Safety      02    Plant Layout & Product Handling    02    Agile & Lean Manufacturing System      03    Industrial Eng. & Safety Engg.    03    Production Planning & Control      04    CAD & CAM    Sr.no    LAB/PRACTICAL    01      01    CAD & CAM Lab    01    Project      02    Design of Automotive Systems Lab    01    Project      01    Spare Parts Operations Incharge    01    Testing Manager      02    Body Shop In-Charge    01    Testing Manager      02    Product Design Manager    02    Product Design Manager	Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)	Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
03    Assembly Line Machine Setter    03    One more QJT from Semester III      Year 3    Semester V      Semester V      Sr.no    Theory      01    Automotive System Design    01    Vehicle Safety      02    Plant Layout & Product Handling    01    Vehicle Safety      03    Industrial Engg. & Safety Engg.    01    Vehicle Safety      04    CAD & CAM    Control    03    Production Planning & Control      Sr.no    LAB/PRACTICAL    Sr.no    LAB/PRACTICAL    01    Project      02    Design of Automotive Systems Lab    Sr.no    ON-JOB-TRAINING (OJT) (ANY ONE)    ON-JOB-TRAINING (OJT) (ANY ONE)      01    Spare Parts Operations Incharge    01    Testing Manager    01      02    Body Shop In-Charge    02    Product Design Manager    02    Product Design Manager				
03    Assembly Line Machine Setter    03    One more QJT from Semester III      Year 3    Semester V      Semester V      Sr.no    Theory      01    Automotive System Design    01    Vehicle Safety      02    Plant Layout & Product Handling    03    Production Planning System      03    Industrial Engg. & Safety Engg.    03    Production Planning & Control      01    CAD & CAM    Sr.no    LAB/PRACTICAL    01    Project      02    Design of Automotive Systems Lab    Sr.no    LAB/PRACTICAL    01    Project      02    Design of Automotive Systems Lab    Sr.no    ON-JOB-TRAINING (OJT) (ANY ONE)    ON-JOB-TRAINING (OJT) (ANY ONE)      01    Spare Parts Operations Incharge    01    Testing Manager    02    Product Design Manager      02    Body Shop In-Charge    02    Product Design Manager    02    Product Design Manager	02	Automation Specialist	02	
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01Automotive System Design 0201Vehicle Safety 02Agile & Lean Manufacturing System 0303Industrial Engg. & Safety Engg. 0402Agile & Lean Manufacturing System 03Di04CAD & CAM03Production Planning & Control01CAD & CAMSr.noLAB/PRACTICAL 01O1Project02Design of Automotive Systems Lab01Project01Spare Parts Operations Incharge 	Year 3	Semester V		Semester VI
01Automotive System Design 0201Vehicle Safety 02Agile & Lean Manufacturing System 0303Industrial Engg. & Safety Engg. 0402Agile & Lean Manufacturing System 03Di04CAD & CAMO3Production Planning & Control01CAD & CAMSr.noLAB/PRACTICAL 01O1Project02Design of Automotive Systems LabO1Project01Spare Parts Operations Incharge 02O1Testing Manager 02O102Body Shop In-ChargeO2Product Design Manager				
02Plant Layout & Product Handling 0302Agile & Lean Manufacturing System 0303Industrial Engg. & Safety Engg. 0403Production Planning & Control04CAD & CAMSr.noLAB/PRACTICAL 010101CAD & CAM Lab 0201Project02Design of Automotive Systems LabSr.noON-JOB-TRAINING (OJT) (ANY ONE) 01Sr.no01Spare Parts Operations Incharge 0201Testing Manager 0202Body Shop In-Charge02Product Design Manager 02				
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01Spare Parts Operations Incharge01Testing Manager02Body Shop In-Charge02Product Design Manager	02	Design of Automotive Systems Lab		
01Spare Parts Operations Incharge01Testing Manager02Body Shop In-Charge02Product Design Manager				
02 Body Shop In-Charge 02 Product Design Manager				
03 Service Supervisor 03 One more QJT from Semester V				
	03	Service Supervisor	03	One more QJT from Semester V

Year 1

### Software Development

#### Intake -30

Se	me	est	ter	• I –

Sr.no	Theory
01	IT Foundation and Programming Concepts
02	Web Designing
03	Programming in C
04	Operating System (OS)
Cr. ma	

Sr.no	LAB/PRACTICAL
01	Web Designing Lab
02	C Programming Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Technical Writer
02	Infrastructure Engineer
03	Associate - CRM

Year 2

#### Semester III

Sr.no	Theory
01	Linux Operating System
02	Software Engineering
03	Web Development using PHP
04	Windows Development Fundamental

Sr.no	LAB/PRACTICAL
01	Web Development using PHP Lab
02	Window Development
	Fundamentals-Lab
Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
<b>Sr.no</b> 01	

03 Security Analyst
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Year 3

#### Semester V

Sr.no	Theory
01	Technology Trends in IT
02	Window Mobile Application Development
03	Introduction to Python Programming
04	Introduction to Microprocessors

Sr.no	LAB/PRACTICAL
01	Window Mobile Application
	Development -lab
02	Python Programming Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Management Trainee
02	Associate - Transactional F&A
03	Consultant Network Security

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Sr.no	Theory
01	Data Structures
02	Concepts of Data Mining
03	OOPs with Java
04	Multimedia Tools & Applications
Srno	
Sr.no	
01	Data Structure Lab
01	Data Structure Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Web Developer
02	Test Engineer

#### **Semester IV**

Sr.no	Theory
01	Software Testing and Project Management
02	Android Application Development
03	Window Configuration and Server Administration
04	Management Information Systems

Sr.no	LAB/PRACTICAL
01	Android Application Development Lab
02	MIS Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	QA Engineer
02	Software Engineer

#### Semester VI

Sr.no	Theory
01	Introduction to AI
02	e-Commerce
03	Computer Network Security
04	Introduction to Biometrics

Sr.no	LAB/PRACTICAL
01	AI Lab
02	Computer Network Security Lab

Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)			
01	Master Trainer for Software			
	Developer			
02	Hardware Engineer			
	5			

## Refrigeration & Air Conditioning

### Intake -30

Year 1	Semester I		Semester II
Sr.no	Theory	Sr.no	Theory
01	Basics of Refrigeration	01	Industrial Management
02	Basics of Air Conditioning	02	Total Quality Management
03	Engineering Material	03	Entrepreneurship
04	Soldering & De-Soldering of Components	04	Refrigeration & Air Conditioning Applications
Sr.no	LAB/PRACTICAL	Sr.no	LAB/PRACTICAL
01	Metrology and Measuring Instruments	01	Project
02	Heat Transfer lab		
Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)	Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Field Technician- AC	01	One more QJT from Semester I
02	Field Technician- Refrigeration		
03	Field Engineer- RACW		
Year 2			
	Semester III		Semester IV
Sr.no	Theory	Sr.no	Theory
01	RAC Piping Systems - I	01	RAC Piping Systems - II
02	Refrigeration & Air-conditioning Material - I	02	Refrigeration & Air-conditioning Material - II
03	Refrigerants	03	RAC Maintenance - I
04	RAC Standards	04	RAC Installation Techniques - I
Sr.no	LAB/PRACTICAL	Sr.no	LAB/PRACTICAL
01	RAC Material Lab	01	RAC Systems Installation and its
02	RAC Systems Installation and its		Maintenance Lab2
	Maintenance Labl	02	RAC Piping Systems Lab
Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)	Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	Safety Tester - RACWO	01	One more QJT from Semester III
02	Field Engineer - RACW		
03	Cold Storage Technician		
Year 3	Semester V		Semester VI
Sr.no	Theory	Cumo	Theorem
01	RAC Maintenance - II	Sr.no	Theory RAC Safety
02	RAC Installation Techniques - II	02	Process Planning and Cost
03	Automobile Air conditioning	01	Estimation
04	Non-conventional Refrigerating System		
Sr.no	LAB/PRACTICAL	Sr.no	LAB/PRACTICAL
01	Automobile AC Lab	01	
02	AC Components and Assembly Lab	01	Project Work
Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)	Sr.no	ON-JOB-TRAINING (OJT) (ANY ONE)
01	AC Specialist - Automobile	01	One more QJT from Semester V
02	Assembly Operator		

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- Application Developer
- Software Developer
- UI Designer
- Graphics
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- Embedded Automotive
- MNC's
- Digital Marketing

- Digital Media
- Principle Design
- Strategist
- E-Commerce
- Finance Company
- Coloring Artist
- Quality Control
- IT Firms
- Drawing Artist
- Freelance Artist

- Software Tester
- Automobile Servicing
- RAC Repairs and Maintainance
- Coder
- Sales Officer
- Cold Storages
- Automobile
  Engineer
- Alogorithm

#### Designer

- Professor
- Automobile Engineer
- Design Engineer
- Illustrator
- Visual Artist
- Comic Book
  Designer
- Trend & Forecast Analyst



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