



Dr. Babasaheb Ambedkar Marathwada University  
University Campus, Aurangabad-431004, Maharashtra(India),  
Recognized by UGC U/s 2(f) and 12(B), NAAC Reaccredited with "A" Grade

## **Course Structure Scheme**

**For**

**Post Std 10+2,  
3 Year(s) Bachelor Degree Program in**

**Faculty of Science**

**Bachelor of Vocation(Bachelor of Vocation(B.Voc))**  
(Credits System)

**(P-2014-Regular)**

Course Code: -

### Publisher's Note

This Dr. Babasaheb Ambedkar Marathwada University has great Pleasure in publishing this course structure for Post Std 10+2 course for 3 Year(s) Bachelor Degree Program as "Bachelor of Vocation" (P-2014 - Regular) under the Faculty of "Faculty of Science".

On behalf of the University, I thank experts and authorities of the University for the interest taken and the whole hearted co-operation extended by them in bringing out this publication.

Date: 9/16/2015 3:37:55 PM

Dr. Babasaheb Ambedkar Marathwada University

,University Campus, Aurangabad-431004,

Maharashtra(India),

Recognized by UGC U/s 2(f) and 12(B), NAAC

Reaccredited with "A" Grade

Registrar

## Course Objective(s)

**The Bachelor of Vocation Consists of following 2 course part(s):**

Sr.No.	Course Part Name	Course Part Abbreviation	Examination Pattern
1	Bachelor of Vocation(B.Voc) First year	Bachelor of Vocation(B.Voc) First year	Semester
2	Bachelor of Vocation(B.Voc) Second year	Bachelor of Vocation(B.Voc) Second year	Semester

**The Bachelor of Vocation is available in following medium of instruction/s:**

1. English

## Course Part: Bachelor of Vocation(B.Voc) First year

Term: First Semester

The papers for Bachelor of Vocation(B.Voc) First year - First Semester are classified into following groups:

<p><b>1.Compulsary Group</b> (Min Papers: 4, Max Papers: 4, Separate Passing Head: No, Max. Marks: 350) Select minimum 4 paper(s) Select maximum 4 paper(s) Papers:</p> <table><tr><td>VOC-101</td><td>Linguistic Proficiency-I</td></tr><tr><td>VOC-102</td><td>Computer Fundamentals-I (Information Technology):Theory</td></tr><tr><td>VOC-103</td><td>Principles of Management and Organizational Behaviour</td></tr><tr><td>VOC-104</td><td>Professional Ethics and Moral Values</td></tr></table>	VOC-101	Linguistic Proficiency-I	VOC-102	Computer Fundamentals-I (Information Technology):Theory	VOC-103	Principles of Management and Organizational Behaviour	VOC-104	Professional Ethics and Moral Values																
VOC-101	Linguistic Proficiency-I																							
VOC-102	Computer Fundamentals-I (Information Technology):Theory																							
VOC-103	Principles of Management and Organizational Behaviour																							
VOC-104	Professional Ethics and Moral Values																							
<p><b>2.Optional Group</b> (Min Subgroups: 1, Max SubGroups: 1, Separate Passing Head: No, Max. Marks: 400) Select minimum 1 SubGroup(s) Select maximum 1 SubGroup(s) SubGroups:</p> <p><b>1.Skill Development Components - Automobile (C)</b> (Min Papers: 4, Max Papers: 4, Separate Passing Head: No, Max. Marks: 400) Select minimum 4 paper(s) Select maximum 4 paper(s) Papers:</p> <table><tr><td>VOC-131</td><td>Basics of Automobile</td></tr><tr><td>VOC-132</td><td>Workshop Technology</td></tr><tr><td>VOC-133</td><td>Laboratory Course- I</td></tr><tr><td>VOC-134</td><td>Laboratory Course- II</td></tr></table> <p><b>2.Skill Development Components - Industrial Automation (A)</b> (Min Papers: 4, Max Papers: 4, Separate Passing Head: No, Max. Marks: 400) Select minimum 4 paper(s) Select maximum 4 paper(s) Papers:</p> <table><tr><td>VOC-111</td><td>Electrical and Mechanical</td></tr><tr><td>VOC-112</td><td>Electronics and Instrumentation</td></tr><tr><td>VOC-113</td><td>Laboratory Course- I</td></tr><tr><td>VOC-114</td><td>Laboratory Course- II</td></tr></table> <p><b>3.Skill Development Components - Travel and Tourism (B)</b> (Min Papers: 4, Max Papers: 4, Separate Passing Head: No, Max. Marks: 400) Select minimum 4 paper(s) Select maximum 4 paper(s) Papers:</p> <table><tr><td>VOC-121</td><td>Introduction to Tourism</td></tr><tr><td>VOC-122</td><td>Tourism Products of India</td></tr><tr><td>VOC-123</td><td>Laboratory Course- I</td></tr><tr><td>VOC-124</td><td>Laboratory Course- II</td></tr></table>	VOC-131	Basics of Automobile	VOC-132	Workshop Technology	VOC-133	Laboratory Course- I	VOC-134	Laboratory Course- II	VOC-111	Electrical and Mechanical	VOC-112	Electronics and Instrumentation	VOC-113	Laboratory Course- I	VOC-114	Laboratory Course- II	VOC-121	Introduction to Tourism	VOC-122	Tourism Products of India	VOC-123	Laboratory Course- I	VOC-124	Laboratory Course- II
VOC-131	Basics of Automobile																							
VOC-132	Workshop Technology																							
VOC-133	Laboratory Course- I																							
VOC-134	Laboratory Course- II																							
VOC-111	Electrical and Mechanical																							
VOC-112	Electronics and Instrumentation																							
VOC-113	Laboratory Course- I																							
VOC-114	Laboratory Course- II																							
VOC-121	Introduction to Tourism																							
VOC-122	Tourism Products of India																							
VOC-123	Laboratory Course- I																							
VOC-124	Laboratory Course- II																							

Term: Second Semester

The papers for Bachelor of Vocation(B.Voc) First year - Second Semester are classified into following groups:

<p><b>1.Compulsary Group</b> (Min Papers: 4, Max Papers: 4, Separate Passing Head: No, Max. Marks: 300) Select minimum 4 paper(s) Select maximum 4 paper(s) Papers:</p> <table><tr><td>VOC-201</td><td>Linguistic Proficiency-II (English &amp; Hindi) with Language Lab training</td></tr><tr><td>VOC-202</td><td>Computer Fundamentals-II (Basic Computer Hardware System):Theory</td></tr><tr><td>VOC-203</td><td>Computer Fundamentals-II (Basic Computer Hardware System):Laboratory Coursework</td></tr></table>	VOC-201	Linguistic Proficiency-II (English & Hindi) with Language Lab training	VOC-202	Computer Fundamentals-II (Basic Computer Hardware System):Theory	VOC-203	Computer Fundamentals-II (Basic Computer Hardware System):Laboratory Coursework
VOC-201	Linguistic Proficiency-II (English & Hindi) with Language Lab training					
VOC-202	Computer Fundamentals-II (Basic Computer Hardware System):Theory					
VOC-203	Computer Fundamentals-II (Basic Computer Hardware System):Laboratory Coursework					

**2.Optional Group** (Min Subgroups: 1, Max SubGroups: 1,  
Separate Passing Head: No, Max. Marks: 500)

Select minimum 1 SubGroup(s)

Select maximum 1 SubGroup(s)

SubGroups:

**1.Skill Development Components - Automobile (C)** (Min Papers: 5, Max Papers: 5,  
Separate Passing Head: No, Max. Marks: 500)

Select minimum 5 paper(s)

Select maximum 5 paper(s)

Papers:

VOC-231	Voc-I (Engine System)
VOC-232	Voc-II (Vehicle System)
VOC-233	Laboratory Course-III
VOC-234	Laboratory Course-IV
VOC-235	In-Plant Internship/field Work/Project

**2.Skill Development Components - Industrial Automation (A)** (Min Papers: 5, Max Papers: 5,  
Separate Passing Head: No, Max. Marks: 500)

Select minimum 5 paper(s)

Select maximum 5 paper(s)

Papers:

VOC-211	Voc-I (Advance Linear and Digital System Design)
VOC-212	Voc-II (Electrical and Mechanical Systems)
VOC-213	Laboratory Course-III
VOC-214	Laboratory Course-IV
VOC-215	In-Plant Internship/field Work/Project

**3.Skill Development Components - Travel and Tourism (B)** (Min Papers: 5, Max Papers: 5,  
Separate Passing Head: No, Max. Marks: 500)

Select minimum 5 paper(s)

Select maximum 5 paper(s)

Papers:

VOC-221	Voc-I (Global Tourism)
VOC-222	Voc-II (Tourist Guides and Tour Escorting)
VOC-223	Laboratory Course- III
VOC-224	Laboratory Course- IV
VOC-225	In-Plant Internship/field Work/Project

**Course Part: Bachelor of Vocation(B.Voc) Second year**

**Term: Third Semester**

**The papers for Bachelor of Vocation(B.Voc) Second year - Third Semester are classified into following groups:**

<p><b>1.Compulsory Group</b> (Min Papers: 3, Max Papers: 3, Separate Passing Head: No, Max. Marks: 300) Select minimum 3 paper(s) Select maximum 3 paper(s) Papers:</p> <table><tr><td>VOC-301</td><td>Linguistic Proficiency-III</td></tr><tr><td>VOC-302</td><td>Business Software Tools-I</td></tr><tr><td>VOC-303</td><td>Statistical Tools (Probability and Statistics )</td></tr></table>	VOC-301	Linguistic Proficiency-III	VOC-302	Business Software Tools-I	VOC-303	Statistical Tools (Probability and Statistics )																								
VOC-301	Linguistic Proficiency-III																													
VOC-302	Business Software Tools-I																													
VOC-303	Statistical Tools (Probability and Statistics )																													
<p><b>2.Optional Group</b> (Min Subgroups: 1, Max SubGroups: 1, Separate Passing Head: No, Max. Marks: 400) Select minimum 1 SubGroup(s) Select maximum 1 SubGroup(s) SubGroups:</p> <p><b>1.Skill Development Components - Automobile (C)</b> (Min Papers: 5, Max Papers: 5, Separate Passing Head: No, Max. Marks: 400) Select minimum 5 paper(s) Select maximum 5 paper(s) Papers:</p> <table><tr><td>VOC-331</td><td>Automotive Components and Drawing</td></tr><tr><td>VOC-332</td><td>Automotive Electronicals and Electronics</td></tr><tr><td>VOC-333</td><td>Laboratory Course-V</td></tr><tr><td>VOC-334</td><td>Laboratory Course-VI</td></tr><tr><td>VOC-335</td><td>In-Plant Internship/field Work/Project</td></tr></table> <p><b>2.Skill Development Components - Industrial Automation (A)</b> (Min Papers: 5, Max Papers: 5, Separate Passing Head: No, Max. Marks: 400) Select minimum 5 paper(s) Select maximum 5 paper(s) Papers:</p> <table><tr><td>VOC-311</td><td>Voc-III (Control Systems and Drives)</td></tr><tr><td>VOC-312</td><td>Voc-IV (Industrial Electronics and Instrumentations)</td></tr><tr><td>VOC-313</td><td>Laboratory Course-V</td></tr><tr><td>VOC-314</td><td>Laboratory Course-VI</td></tr><tr><td>VOC-315</td><td>In-Plant Internship/field Work/Project</td></tr></table> <p><b>3.Skill Development Components - Travel and Tourism (B)</b> (Min Papers: 5, Max Papers: 5, Separate Passing Head: No, Max. Marks: 400) Select minimum 5 paper(s) Select maximum 5 paper(s) Papers:</p> <table><tr><td>VOC-321</td><td>Voc-III (Travel Agency and Tour Operations)</td></tr><tr><td>VOC-322</td><td>Voc-IV (Travel Documentations)</td></tr><tr><td>VOC-323</td><td>Laboratory Course-V</td></tr><tr><td>VOC-324</td><td>Laboratory Course-VI</td></tr><tr><td>VOC-325</td><td>In-Plant Internship/field Work/Project</td></tr></table>	VOC-331	Automotive Components and Drawing	VOC-332	Automotive Electronicals and Electronics	VOC-333	Laboratory Course-V	VOC-334	Laboratory Course-VI	VOC-335	In-Plant Internship/field Work/Project	VOC-311	Voc-III (Control Systems and Drives)	VOC-312	Voc-IV (Industrial Electronics and Instrumentations)	VOC-313	Laboratory Course-V	VOC-314	Laboratory Course-VI	VOC-315	In-Plant Internship/field Work/Project	VOC-321	Voc-III (Travel Agency and Tour Operations)	VOC-322	Voc-IV (Travel Documentations)	VOC-323	Laboratory Course-V	VOC-324	Laboratory Course-VI	VOC-325	In-Plant Internship/field Work/Project
VOC-331	Automotive Components and Drawing																													
VOC-332	Automotive Electronicals and Electronics																													
VOC-333	Laboratory Course-V																													
VOC-334	Laboratory Course-VI																													
VOC-335	In-Plant Internship/field Work/Project																													
VOC-311	Voc-III (Control Systems and Drives)																													
VOC-312	Voc-IV (Industrial Electronics and Instrumentations)																													
VOC-313	Laboratory Course-V																													
VOC-314	Laboratory Course-VI																													
VOC-315	In-Plant Internship/field Work/Project																													
VOC-321	Voc-III (Travel Agency and Tour Operations)																													
VOC-322	Voc-IV (Travel Documentations)																													
VOC-323	Laboratory Course-V																													
VOC-324	Laboratory Course-VI																													
VOC-325	In-Plant Internship/field Work/Project																													

**Term: Fourth Semester**

**The papers for Bachelor of Vocation(B.Voc) Second year - Fourth Semester are classified into following groups:**