



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-2013-Regular)
Course Code: -**

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS)


Minutes of the Ad-hoc Board of Studies for Vocational Education and Training (CVET)

A meeting of Ad-hoc board of Studies of Centre for Vocational Education and Training (CVET) was held on July 26, 2013 at 3.30 PM with Professor Dr. S. P. Zambare, Director, BCUD, in the Chair. Other members present were Dr. K. B. Laghane, Professor Dr. Hamid Khan, Professor Dr. K. V. Kale, Professor Dr. Walmik Sarwade, and Professor Dr. Mahendra D. Shirsat.

The following business was transacted.

1. Minutes of the last meeting ^{was} confirmed.
2. The minor modification in course structure for Five Year Master Programme in Vocational Science (B. Voc. + M. Voc.) and syllabus/ curriculum for first semester (to be implemented from academic year 2013-14) was discussed, finalized and approved.
3. Professor Dr. Mahendra D. Shirsat, Director, CVET has appraised all the members about the status of renovation work being carried at the proposed site for the CVET. The members have been informed that the regular classes are going to be commenced from August 1, 2013.
4. For expediting the renovation work of the Centre, keeping in view - (i) forthcoming NAAC visit; and (ii) commencement of classes from August 1, 2013; it was decided to convey the concerns of all members of ad-hoc board studies (about the renovation work) to the Hon'ble Vice Chancellor.

Meeting ended with a vote of thanks to the Hon'ble Chair and members of the committee.


Professor Dr. S. P. Zambare
Chairman Ad-hoc Board of Studies of CVET
and
Director BCUD,
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS)

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

May 26, 2017

Minutes of the Meeting of AD-HOC board of Vocational Studies held on May 26, 2017

A meeting of the Ad-hoc Board of Vocational studies was held in Meeting Hall of Deen Dayal Upadhyay KAUSHAL Kendra, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on May 26, 2017 with the Chairman of the Board. Professor Dr. Mahendra D. Shirsat, on chair.

Other members present were Mr. D. N. Dharurkar (Managing Director, NAC Group of Industries, Aurangabad), Mr. S. Sambrey (CEO, LUANS Electronics, Aurangabad), Mr. S. V. Menkudle (MIT College, N4 CIDCO, Aurangabad), Mr. Indrajit Shah (Managing Director, Electromates Robotic and Automation, Aurangabad), Mr. Abhijeet Patil (Managing Director, Krish Automation), The meeting began with warm welcome by the Chair.

Following business was transacted:

- (i) Minutes of last meeting were confirmed.
- (ii) The curricula for B.Voc first Semester subject code VOC 103,104,105 (General Academic Components for Industrial Automation, being run at Deen Dayal Upadhyay KAUSHAL Kendra) were presented and after thorough discussions, the revised curricula were approved (Appendix – A). The Subjects VOC 103 and VOC 104 are included as per suggestion from Electronic Sector Skill Council.
- (iii) The revised curricula for B. Voc first Semester subject code VOC 103,104,105 (General Academic Components for Automobile; being run at Deen Dayal Upadhyay KAUSHAL Kendra) were presented and after thorough discussions, the revised curricula were approved (Appendix – B).
- (iv) The revised curricula for B. Voc first Semester subject code VOC 115,116, 117 and 118 (Skill Components for Industrial Automation; being run at Deen Dayal Upadhyay KAUSHAL Kendra) were presented and after thorough discussions, the revised curricula were approved (Appendix – I).
- (v) The revised curricula for B. Voc fifth Semester subject code VOC 502,504 (General Academic Components for Industrial Automation & Automobile, being run at Deen Dayal Upadhyay KAUSHAL Kendra) were presented and after thorough discussions, the revised curricula were approved (Appendix – C).
- (vi) The new curricula for B. Voc fifth Semester subject code VOC 511, 512, 513, 514, 515, 516, and 517 (Skill Development Components for Industrial Automation, being run at Deen Dayal Upadhyay KAUSHAL Kendra) were presented and after thorough discussions, the revised curricula were approved (Appendix – D).
- (vii) The new curricula for B. Voc fifth Semester subject code VOC 531,532,533. 534, 535, 536 and 537 (Skill Development Components for Automobile; being run at Deen Dayal Upadhyay KAUSHAL Kendra) were presented and after thorough discussions, the revised curricula were approved (Appendix – E).

154

Dr. Babasaheb Ambedkar Marathwada University
Aurangabad- 431004 (MS) India

Center for Vocational Education and Training

Course Structure and Curriculum (Syllabus)

For

Five Year Integrated Programme in Vocational Science
(B.Voc. + M. Voc.)

(Choice Based Credit System)

(Academic Autonomy)



(Effective from June 2013 onwards)

Curriculum for Five Year Integrated Programme in Vocational Science (B.Voc. + M. Voc.)

(Choice Based Credit System)

This five year integrated (B. Voc. + M. Voc.) programme is divided into ten semesters having 260 credits. Each semester will have eight courses, out of which five to six courses will be dedicated for theory (each theory course will have inbuilt practical / tutorial/ vocational component) and two courses will be devoted to Laboratory Work / Project / Industrial Training. Moreover, semester VIII and X will be dedicated to Industrial Training / Major Project. This programme offers following traditional / academic component viz Linguistic Proficiency, Social Science, Science, Mathematics, Computer Science, Environmental Science, Commerce & Management Science and following vocational components viz Industrial Automation, Automobile, Pharma, Information and communication Technology, Travel and Tourism, Finance, banking and Insurance. However, only two courses are being commenced from this academic year and remaining courses may be commenced from next academic year.

Preamble:

Dr. Babasaheb Ambedkar Marathwada University (BAMU) proposes to offer a five year integrated programme in Vocational Science (B. Voc. + M. Voc.). The curriculum design of this program is undertaken in the following framework (assumptions).

- a) Although there has been remarkable progress in all sectors of education in last couple of decades, the less regulated area of the education sector - vocational training— seems to have lost its significance / importance. This has led to the widening gap between the supply and demand for skilled manpower across various industries and R & D organizations. This shortage of skills has translated directly into unemployment among an increasing number of graduates who pass out every year and are forced to be re-trained in order to become marketable.

This programme is designed to produce a skilled manpower so that wide variety of options in automobiles, pharmaceutical, industrial automation, finance, banking and insurance and travel & tourism would be available

- v. This programme would enable students to update their knowledge and professional skills for entering the workforce executing income generating activities or occupying better positions;
- vi. At each exit level of the integrated programme students will be able to
 - a) Apply knowledge of traditional / academic subjects (viz. social science, mathematics, science, environmental science, computer science, commerce and management science) and vocational subject fundamental and vocational specialization to the conceptualization of engineering models.
 - b) Identify, formulate, research literature and solve complex engineering problems reaching substantiated conclusions using first principles of mathematics and engineering sciences.
 - c) Design solutions for complex engineering problems and design systems, components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
 - d) Conduct investigations of complex problems including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.
 - e) Create, select and apply appropriate techniques, resources, and modern engineering tools, including prediction and modeling, to complex engineering activities, with an understanding of the limitations.
 - f) Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.
 - g) Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
 - h) Demonstrate understanding of the societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to science and engineering practice.
 - i) Understand and commit to professional ethics and responsibilities and norms of science and engineering practice.
 - j) Understand the impact of science and engineering solutions in a societal context and demonstrate knowledge of and need for sustainable development.
 - k) Demonstrate a knowledge and understanding of management and business practices, such as risk and change management, and understand their limitations.
 - l) Recognize the need for, and have the ability to engage in independent and life-long learning.

register themselves for every consecutive semester. Dropout students will be allowed to register for respective semester as and when the concerned courses are offered by the centre, however he / she should not exceed more than twice the duration of the course from the date of first registration at the centre. The admission of the concern student will be automatically cancelled if he / she fail to complete the course within a period of maximum ten years / 20 semesters.

Choice Based Credit System (CBCS).

The choice based credit system is going to be adopted by this centre. This provides flexibility to make the system more responsive to the changing needs of our students, the professionals and society. It gives greater freedom to students to determine their own pace of study. The credit based system also facilitates the transfer of credits.

- Students will have to earn 104 credits for the award of two year diploma.
- Students will have to earn 156 credits for the award of B.Voc. Degree.
- Students will have to earn 208 credits for the award of B.Voc. + One Year PG Diploma.
- Students will have to earn 260 credits for the award of B.Voc. + M. Voc. degree

Credit-to- contact hour Mapping:

One contact hour per week is assigned 1 credit for theory and 0.5 credits for practical / laboratory course. Thus a 4 - credit theory course corresponds to 4 contact hours per week.

Attendance:

Since the Centre adopting continuous assessment pattern 100 % of attendance is mandatory. Monthly attendance of the students for each course will be displayed on the notice board.

Departmental Committee:

The Departmental Committee (DC) of the Centre will monitor the smooth functioning of the programme.

Results Grievances / Redressal Committee

Grievances / redressal committee will be constituted in the centre to solve all grievances relating to the evaluation. The committee shall consist of Director of the centre and the teacher concerned of a particular course.

Table – I : Ten point grade and grade description

Sr No	Marks Obtained (%)	Grade Point	Grade	Description
1	90-100	9.00- 10	O	Outstanding
2	80-89	8.00-8.90	A ⁺⁺	Excellent
3	70-79	7.00-7.90	A ⁺	Exceptional
4	60-69	6.00-6.90	A	Very Good
5	55-59	5.50-5.90	B ⁺	Good
6	50-54	5.00-5.40	B	Fair
7	45-49	4.50-4.90	C ⁺	Average
8	41-44	4.1-4.40	C	Below Average
9	40	4.0	D	Pass
10	< 40	0.0	F	Fail (Unsatisfactory

- Non appearance in any examination / assessment shall be treated as the students have secured zero marks in that subject examination / assessment.
- Minimum D grade (4.00 grade points) shall be the limit to clear / pass the course / subject. A student with F grade will be considered as “failed” in the concerned course and he / she has to clear the course by appearing in the next successive semester examinations. There will be no revaluation or recounting under this system.
- Every student shall be awarded grade points out of maximum 10 points in each subject (based on 10 point scale). Based on the grade points obtained in each subject, Semester Grade Point Average (SGPA) and then Cumulative Grade Point Average (CGPA) shall be computed. Results will be announced at the end of each semester and CGPA will be given at respective exit point.

Computation of SGPA (Semester Grade Point Average) and CGPA (Cumulative Grade Point Average)

Grade in each subject / course will be calculated based on the summation of marks obtained in all five modules.

The computation of SGPA and CGPA will be as below

- Semester Grade Point Average (SGPA) is the weighted average points obtained by the students in a semester and will be computed as follows

$$SGPA = \frac{\text{Sum (Course Credits X Number of Grade Points in concerned Course Gained by the Student)}}{\text{Sum (Course Credits)}}$$

The SGPA will be mentioned on the grade card at the end of every semester.

- The Cumulative Grade Point Average (CGPA) will be used to describe the overall performance of a student in all semester of the course and will be computed as under.

Course Structure

Paper No	Paper Title	Credits (Theory+ Tutorial / Assignment/ Practical)
Semester - I		
VOC 101	Linguistic Proficiency-I	3+1 ✓
VOC 102	Computer Science-I	3+1 ✓
VOC 103	Environmental Science	3+1 ✓
VOC 104	Mathematics	3+1 ✓
VOC 105	Principle of Management & Organizational behavior	3+1 ✓
VOC 106	Professional ethics & Moral values	2+0 ✓
VOC 107	Laboratory Course –I	0+2
VOC 108	Laboratory Course -II	0+2
Total Credits		26
Semester - II		
VOC 201	Linguistic Proficiency-II	3+1
VOC 202	Computer Science-II	3+1
VOC 203	Life Science	3+1
VOC 204	Labor law & Stress Management	3+1
VOC 205	Voc-I	3+1
VOC 206	Voc-II (Assignments) and Industrial visits	0+2
VOC 207	Laboratory Course –III	0+2
VOC 208	Laboratory Course –IV	0+2
Total Credits		26
Semester - III		
VOC 301	Linguistic Proficiency-III	3+1
VOC 302	Computer Science-III	3+1
VOC 303	Statistics	3+1
VOC 304	Voc-III	3+1
VOC 305	Voc-IV	3+1
VOC 306	Voc-V (Assignments)	0+2
VOC 307	Laboratory Course –V	0+2
VOC 308	Laboratory Course –VI	0+2
Total Credits		26

Semester - VIII		
VOC 801	Major Project –I /Industrial Training/ Professional Work/ Field Work (One term)	0+26
Total Credits		26
Semester - IX		
VOC 901	Voc- XXII	3+1
VOC 902	Voc-XXIII	3+1
VOC 903	Voc-XXIV	3+1
VOC 904	Voc-XXV	3+1
VOC 905	Voc-XXVI	3+1
VOC 906	Voc-XXVII (Assignments)	0+2
VOC 907	Laboratory Course –XII	0+2
VOC 908	Laboratory Course –XIII	0+2
Total Credits		26
Semester - X		
VOC 900	Major Project-II /Industrial Training/ Professional Work/ Field Work (One term)	0+26
Total Credits		26
Total Credits (Semester I to X)		260

Minutes of the Meeting of AD-HOC board of Centre for Vocational Education and Training (CVET) held on December 8, 2014

A meeting of the Ad-hoc Board of the Centre for Vocational Education and Training (CVET) was held in the Management Council Hall, Administrative building, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad with the Chairman of the board Professor Dr. S.P. Zambare, on Chair.

Other members present were Professor Dr. M. D. Shirsat (Director, CVET), Professor Dr. W. K. Sarwade (Director, School of Management Science), Professor Dr. Rajesh Ragade (Director, Department of Tourism Administration), Shri D. N. Dharurkar (Managing Director, NAC group of Industries, Aurangabad). The special invitees to the meeting were Dr. S. N. Deshmukh (Assistant Professor, Department of Computer Science and Information Technology), Shri S. Menkundale (Assistant Professor, Department of Automobile, MIT College, N-4, CIDCO)

Following business was transacted in the meeting-

- 1) Minutes of the last meeting were confirmed.
- 2) It was unanimously decided to recommend for continuation of the present M.Voc program upto B.Voc only or till the last student existing in the system whichever is earlier. Furthermore, same syllabus will be followed for UGC funded B. Voc and present M. Voc programme up to B. Voc level. Further continuation of the present M. Voc programme at post graduate level will depend upon availability of students. No further admission will be made under the present M.Voc program. Entire thrust will be put to groom the UGC funded B.Voc program towards a model pilot project.
- 3) The revision of the present structure of curriculum was meticulously analyzed and in view of UGC guidelines, it was unanimously resolved to revise the structure of B.Voc programme. In accordance to the directives of UGC regarding implementation of B.Voc program, the structure of the B.Voc program proposed by the Director, CVET was discussed and as per the suggestions of the board, the following structure for B.Voc was accepted and approved-

Paper No	Paper Title	Credits
Semester - I		
General Education Components		
VOC 101	Linguistic Proficiency-I (English & Marathi) with Language lab training	4
VOC 102	Computer Fundamentals-I (Information Technology) : Theory	2
VOC 103	Computer Fundamentals-I (Information Technology): Laboratory Coursework	2
VOC 104	Professional Ethics and Management Practices	4

Skill Development Components - Industrial Automation (A)		
VOC 111	Voc-I (Electrical and Mechanical)	4
VOC 112	Voc-II (Electronics and Instrumentation)	4
VOC 113	Laboratory Course –I	4
VOC 114	Laboratory Course –II	4
VOC 115	In-plant Internship/Field Work/Project	4
Skill Development Components - Travel and Tourism (B)		
VOC 121	Voc-I (Introduction to Tourism)	4
VOC 122	Voc-II (Tourism Products of India)	4
VOC 123	Laboratory Course –I	4
VOC 124	Laboratory Course –II	4
VOC 125	In-plant Internship/Field Work/Project	4
Skill Development Components - Automobile (C)		
VOC 131	Voc-I (Basics of Automobile)	4
VOC 132	Voc-II (Workshop Technology)	4
VOC 133	Laboratory Course –I	4
VOC 134	Laboratory Course –II	4
VOC 135	In-plant Internship/Field Work/Project	4
	Total Credits = General Education Components + Skill Development Components (A/B/C)	12+20=32
Semester - II		
General Education Components		
VOC 201	Linguistic Proficiency-II (English & Hindi) with Language lab training	4
VOC 202	Computer Fundamentals-II (Basic Computer Hardware System) : Theory	2
VOC 203	Computer Fundamentals-II (Basic Computer Hardware System) : Laboratory Coursework	2
VOC 204	Environment Management	4
Skill Development Components - Industrial Automation (A)		
VOC 211	Voc-I (Advance Linear and Digital System Design)	4
VOC 212	Voc-II (Electrical and Mechanical Systems)	4
VOC 213	Laboratory Course –III	4
VOC 214	Laboratory Course –IV	4
VOC 215	In-plant Internship/Field Work / Project	4
Skill Development Components - Travel and Tourism (B)		
VOC 221	Voc –I (Global Tourism)	4
VOC 222	Voc –II (Tourist Guides and Tour Escorting)	4

VOC 223	Laboratory Course –III	4
VOC 224	Laboratory Course –IV	4
VOC 225	In-plant Internship/Field Work/ Project	4
Skill Development Components – Automobile (C)		
VOC 231	Voc –I (Engine System)	4
VOC 232	Voc –II (Vehicle System)	4
VOC 233	Laboratory Course –III	4
VOC 234	Laboratory Course –IV	4
VOC 225	In-plant Internship/Field Work/ Project	4
Total Credits = General Educational Components + Skill Development Components (A/B/C)		12+20=32

Semester – III

General Education Components		
VOC 301	Linguistic Proficiency-III	4
VOC 302	Business Software Tools –I	4
VOC 303	Statistical Tools (Probability and Statistics)	4
Skill Development Components - Industrial Automation (A)		
VOC 311	Voc-III (Control Systems and Drives)	4
VOC 312	Voc-IV (Industrial Electronics and Instrumentation)	4
VOC 313	Laboratory Course –V	4
VOC 314	Laboratory Course –VI	4
VOC 315	In-plant Internship/Field Work/ Project	4
Skill Development Components - Travel and Tourism (B)		
VOC 321	Voc-III (Travel Agency and Tour Operations)	4
VOC 322	Voc-IV (Travel Documentation)	4
VOC 323	Laboratory Course –V	4
VOC 324	Laboratory Course –VI	4
VOC 325	In-plant Internship/Field Work/ Project	4
Skill Development Components – Automobile (C)		
VOC 331	Voc-III	4
VOC 332	Voc-IV	4
VOC 333	Laboratory Course –V	4
VOC 334	Laboratory Course –VI	4
VOC 335	In-plant Internship/Field Work/ Project	4
Total Credits = General Education Components + Skill Development Components (A/B/C)		12+20=32

Semester - IV

General Education Components		
VOC 401	Industrial Ethics and Safety Management(for Industrial Automation and Automobile) / Ethical, Legal and Regulatory Aspects of Tourism(for Travel & Tourism)	4

VOC 402	Business Software Tools-II	4
VOC 403	Fundamentals of Business and Accounting	4
Skill Development Components - Industrial Automation (A)		
VOC 411	Voc-VI (Embedded System and PLCs- I)	4
VOC 412	Voc-VII (Pneumatics and Hydraulics)	4
VOC 413	Laboratory Course –VII	4
VOC 414	Laboratory Course –VIII	4
VOC 415	In-plant Internship/Field Work/ Project	4
Skill Development Components - Travel and Tourism (B)		
VOC 421	Voc-VI (Hotel Operation)	4
VOC 422	Voc-VII (Tourist Transfer Operation)	4
VOC 423	Laboratory Course –VII	4
VOC 424	Laboratory Course –VIII	4
VOC 425	In-plant Internship/Field Work / Project	4
Skill Development Components – Automobile (C)		
VOC 431	Voc-VI	4
VOC 432	Voc-VII	4
VOC 433	Laboratory Course –VII	4
VOC 434	Laboratory Course –VIII	4
VOC 435	In-plant Internship/Field Work/ Project	4
Total Credits = General Education Components + Skill Development Components (A/B/C)		12+20=32
Semester - V		
General Education Components		
VOC 501	Personality Development	4
VOC 502	Labour Laws and Stress Management	4
VOC 503	Business Communication	4
Skill Development Components - Industrial Automation (A)		
VOC 511	Voc-IX (Embedded Systems and PLCs-II)	4
VOC 512	Voc-X (Manufacturing processes and Mechatronics)	4
VOC 513	Laboratory Course –IX	4
VOC 514	Major Project (Phase – I)	4
VOC 515	In-plant Internship/Field Work/ Project	4
Skill Development Components - Travel and Tourism (B)		
VOC 521	Voc-IX (Entrepreneurship in Tourism)	4
VOC 522	Voc-X (Contemporary Issues in Tourism)	4
VOC 523	Laboratory Course –IX	4
VOC 524	Major Project (Phase – I)	4
VOC 525	In-plant Internship/Field Work/ Project	4
Skill Development Components – Automobile (C)		

VOC 531	Voc-IX	4
VOC 532	Voc-X	4
VOC 533	Laboratory Course –IX	4
VOC 534	Major Project (Phase – I)	4
VOC 535	In-plant Internship/Field Work/ Project	4
	Total Credits = General Education Components + Skill Development Components (A/B/C)	12+20=32
Semester - VI		
General Education Components		
VOC 601	Human Resource Management	4
VOC 602	Entrepreneurship Development	4
VOC 603	Workshop Management (for Industrial Automation and Automobile) / Outdoor Management (for Travel & Tourism)	4
Skill Development Components - Industrial Automation (A)		
VOC 611	Voc-XI (Motion Control and Robotics)	4
VOC 612	Voc-XII (Process Control and Tools)	4
VOC 613	Laboratory Course –X	4
VOC 614	Major Project (Phase – II)	4
VOC 615	In-plant Internship/Field Work/ Project	4
Skill Development Components - Travel and Tourism (B)		
VOC 621	Voc-XI (Tourism Policy & Planning)	4
VOC 622	Voc-XII (Tourism Administration in India)	4
VOC 623	Laboratory Course –X	4
VOC 624	Major Project (Phase – II)	4
VOC 625	In-plant Internship/Field Work/ Project	4
Skill Development Components - Automobile (C)		
VOC 631	Voc-XI	4
VOC 632	Voc-XII	4
VOC 633	Laboratory Course –X	4
VOC 634	Major Project (Phase – II)	4
VOC 635	In-plant Internship/Field Work/ Project	4
	Total Credits = General Education Components + Skill Development Components (A/B/C)	12+20=32
Total Credits (Semester I to VI)		192

As general Feature of the structure –

- a) The ratio of General Academic Components and Skill Based Components will be maintained to be 12 : 20 for each semesters. Therefore, there will be total credit of 32 per semester and 64 per year.

- b) There will be three papers under General Academic Components each bearing 4 credits in each semester. There will be two theory papers (4 credits each), two practical papers (4 credits each) and one Industrial internship/field work/project (4 credits) under Skill based components in each semester.
- 4) Revised syllabus of semester I, II, III, IV, V and VI for B. Voc (Travel and Tourism), semester I, II and IV for B. Voc (Industrial Automation) and semester I and II for B. Voc (Automobile) was discussed and approved.
- 5) Revised syllabus of general education components viz. VOC 103, VOC 203, VOC 204, VOC 303, VOC 401, VOC 402, and VOC403 was discussed and approved.
- 6) It was unanimously resolved to modify eligibility criteria for the admission to the B. Voc programme. The revised eligibility criteria will be as below-

Automobile, Industrial Automation:

Those who have completed XII Science OR equivalent / MCVC / ITI (Two Years) with relevant / equivalent trade from any recognized Board/ Institution are eligible for registration / admission.

Travel and Tourism:

Those who have completed XII Arts / Commerce / Science OR equivalent / MCVC / ITI (Two Years) with relevant / equivalent trade from any recognized Board/ Institution are eligible for registration / admission.

- 7) Current assessment / evaluation method was discussed meticulously and after a thorough reevaluation and discussions on the merits-demerits of the two assessment patterns in purview of the long time benefit of students, it was unanimously decided to propose for permanent suspension of the module wise Continuous assessment pattern and introduction of Semester (80:20) pattern for assessment of the students of CVET. This will help to maintain the parity with other university department in terms of evaluation method.
- 8) The draft of certificates for One year Diploma in Vocation, two year Advanced Diploma in Vocation and three year Bachelor degree in Vocation were discussed and approved.
- 9) It was unanimously decided to propose tuition fees for the students of CVET to bring at par with the other granted undergraduate courses running in the University campus/ under the University affiliation, in purview of the grants received by the UGC. This tuition fee will be standing the same for all students of the center irrespective of particular trade and semester to which a student is admitted.

10) The problem of paucity of space at the present position of CVET was thoroughly discussed and—

As a short term solution it was decided –

to propose for allocation of required space in the vacant provision of the central facility centre (CFC) for conducting administrative responsibilities, lectures of all three trades (viz. Industrial Automation, Automobile, Travel and tourism) and practical of Industrial Automation and Travel & Tourism trade. The present position of CVET, under such condition, will be employed for setting up of automobile workshops.

As a long term solution it was decided-

To propose for a complete independent establishment for CVET that will be consisting of basic amenities, administrative section, lecture halls, laboratories, seminar hall and workshop.

11) It was unanimously decided that institutes, concerns, local workshops will be identified who are capable of imparting short term highly specialized skill development training to the students. Institutes viz. Indo-German Tool Room, CIPET etc. were primarily identified. It was further decided to establish Memorandum of Understanding (MOU) with such institutions so that the students of CVET could be sent to them for tailor-made programs.

12) Considering the fact that for implementation of the BVOC. Program, UGC has kept it mandatory that the curriculum should be framed in consultation with industry representatives, therefore, it was unanimously decided to include the following prominent figures from various scopes and sectors, in the Ad-Hoc board of the Centre-

A) For Industrial Automation:

- a) Shri S. Todkar (S.S. Controls, Aurangabad)
- b) Shri V.Chitale (Endress + Hausser, Aurangabad)
- c) Dr. S. N. Deshmukh (Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada university, Aurangabad)

D) For Automobile:

- a) Shri S. Menkudale (Department of Automobile, MIT College, N-4, CIDCO)
- b) Shri Makarand Deshpande

13) It was unanimously decided to propose for establishment of an advisory board for CVET. It was decided to include prominent figures from prestigious industries like Greaves, Perkins, Endress+ Hausser, Skoda, Bajaj Auto Ltd, Man Diesel etc. in the board.

14) In the AOB, it was decided that-

- a) The academic ongoing of B.Voc or similar courses, run by other institutes who have been sanctioned with grants for starting B,Voc program and/or who are running B.Voc or similar programs on self finance basis, has to be monitored by this ad-hoc board only.
- b) The syllabi of B.Sc. Vocational Science (Aircraft Maintenance Engineering) proposed by the Late Lilawati satish Awhad Education Society (by their letter no IAME/BAMU/2014/192 dtd. 26.09.2014) could not be considered by the Ad-hoc board since this board is authorized to take decisions on B.Voc, Adv. Dip. Voc and Dip. Voc courses only.
- c) The request for permission to issue Certificates and Diploma in 'Dairy and food Processing' under UGC community college scheme proposed by Vivekananda Arts, Sardar Dalipsingh Commerce and Science College (by their letter no. 349 dtd. 29. 11. 14) could not be considered by the Ad-hoc board since this board is authorized to take decisions on B.Voc, Adv. Dip. Voc and Dip. Voc courses only.

The meeting ended with thanksgiving to the Chair.



Professor Dr. S. P. Zambre
Chairman, Ad-hoc Board

Dr. Babasaheb Ambedkar Marathwada University,

Aurangabad – 431 004 (MS), India

Deen Dayal Upadhyay KAUSHAL Kendra (DDUKK)

Dr. Mahendra D. Shirsat

M. Sc. MCA(Engg & Tech.), Ph. D. PDF (USA)



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Director

Ref. No. - DDU-KK/2016/62

Date: May 31, 2016

To,
The Director,
Board of College and University Development,
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

**SUB: Submission of Minutes and Pertinent Curricula in reference to Ad-Hoc board
(Vocational Studies) Meeting Held on May 30, 2016**

Dear Sir,

In reference to the aforesaid, please find attached herewith –

- (i) Minutes of the meeting
- (ii) Curricula as stated in the minutes

I would be highly obliged if you could kindly ask the concerned for further necessary action in this regard.

I look forward to have your esteemed co-operation,

Thanking you in anticipation,

Best Regards,

Sincerely,


Professor Mahendra D. Shirsat
Director, DDU-KK

Professor Mahendra D. Shirsat
Director,
Deen Dayal Upadhyay Kaushal Kendra,
Dr. Babasaheb Ambedkar
Marathwada University,
Aurangabad (MS) -431 004


31/5/16

OK

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

May 30, 2016

Minutes of the Meeting of AD-HOC board of Vocational Studies held on May 30, 2016

A meeting of the Ad-hoc Board of Deen Dayal Upadhyaya KAUSHAL Kendra was held in Deen Dayal Upadhyay KAUSHAL Kendra, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad with the Chairman of the Board, Professor Dr. Mahendra D. Shirsat, on chair.

Other members present were Dr. A. Tejankar (Professor, Deogiri College, Aurangabad), Dr. S. N. Helambe (Associate Professor, Deogiri College, Aurangabad), Dr. B. K. Sakhale (Department of Chemical Technology, Dr. B. A. M. University, Aurangabad), and Mr. S. V. Menkudle (MIT College, N4 CIDCO, Aurangabad). The meeting began with warm welcome by the Chair.

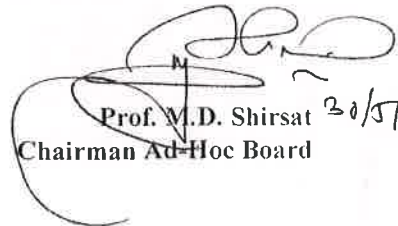
Following business was transacted:

- (i) Minutes of last meeting was confirmed.
- (ii) In view of continuous evaluation and monitoring of curriculum being run under Bachelor of Vocation programme, it is well accepted that the curriculum requires necessary modifications/revisions time to time. Under such circumstances, it is quite obvious that assessment of backlog students is a matter of increasing concern. In order to sort out any further ambiguity in this regard, it was unanimously decided that in case a student fails in certain course(s) in a particular semester and the same course(s) are modified/ revised/ removed from the curriculum in due course, the student will have to appear as per the newly framed curriculum and/or pattern in subsequent semester, at his/ her own responsibility.
- (iii) The new curricula for subject code VOC 311,312,313,314,315,316,317 and 318 (Skill Development Components for Industrial Automation; Third Semester being run at Deen Dayal Upadhyay KAUSHAL Kendra) were presented and after thorough discussions, minor changes were implemented. The final curricula of subject code VOC - 311,312,313,314,315,316,317 and 318 were unanimously decided to be forwarded for necessary accord/ approval (Appendix - A).
- (iv) The new curricula for subject code VOC 331,332,333,334,335,336,337 and 338 (Skill Development Components for Automobile; Third Semester being run at Deen Dayal Upadhyay KAUSHAL Kendra) were presented and after thorough discussions, minor changes were implemented. The final curricula of subject code VOC 331,332,333,334,335,336,337 and 338 were unanimously decided to be forwarded for necessary accord/ approval (Appendix - B).
- (v) The titles of Skill Development Components of Semester -IV for Industrial Automation trade and Automobile Trade (being run at Deen Dayal Upadhyay KAUSHAL Kendra) were presented and were unanimously decided to be forwarded for necessary accord/ approval (Appendix - C).
- (vi) The necessity for revision of skill development components (Industrial Automation) of fifth semester Bachelor in Vocation (B.Voc) was discussed and some revisions were implemented in the curricula of subject code VOC - 511, 512, and 513. The revised curricula of subject code

VOC – 511, 512, and 513 were unanimously decided to be forwarded for necessary accord/ approval (Appendix – D).

- (vii) The new curricula for subject code VOC 531,532, and 533 (Skill Development Components for Automobile; fifth Semester being run at Deen Dayal Upadhyay KAUSHAL Kendra) were presented and after thorough discussions, minor changes were implemented. The final curricula of subject code VOC 531,532, and 533 were unanimously decided to be forwarded for necessary accord/ approval (Appendix – E).
- (viii) The curricula for semester I and II of Master of Vocation program (Industrial Automation and Automobile Technology) to be incepted from academic year 2016-17 at Deen Dayal Upadhyay KAUSHAL Kendra, were presented and after thorough discussions, minor changes were implemented. The final curricula were unanimously decided to be forwarded for necessary accord/ approval (Appendix – F).
- (ix) The necessity for revision of the curricula of first year and second year of Bachelor in Vocation (Jewelry Designing and Gemology) program was discussed and necessary revisions were implemented. The final curricula were unanimously decided to be forwarded for necessary accord/ approval (Appendix – G).
- (x) The curricula for third year (semester V and VI) of Bachelor in Vocation (Jewelry Designing and Gemology) were presented and after thorough discussions the final curricula were unanimously decided to be forwarded for necessary accord/ approval. (Appendix – H).
- (xi) The necessity for revision of the curricula of first year and second year of Bachelor in Vocation (Multimedia and Animation) program was discussed and necessary revisions were implemented. The final curricula were unanimously decided to be forwarded for necessary accord/ approval (Appendix – I).
- (xii) The curricula for third year (semester V and VI) of Bachelor in Vocation (Multimedia and Animation) were presented and after thorough discussions, the final curricula were unanimously decided to be forwarded for necessary accord/ approval. (Appendix – J).
- (xiii) The curricula for first year (semester I and II) of Bachelor in Vocation (Food Processing Technology) were presented and after thorough discussions, the final curricula were unanimously decided to be forwarded for necessary accord/ approval. (Appendix – K).
- (xiv) It was decided to remain aligned with the decision of Advisory board of Deen Dayal Upadhyay KAUSHAL Kendra regarding the fees of Master of Vocation program that is Rs. 40,000/- per year. Fees for B. Voc programme were decided to be kept as per UGC guidelines.

The meeting ended with thanks to the chair.


Prof. M.D. Shirsat 20/5/16
Chairman Ad-Hoc Board