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