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[OBE DESIGN- SANSKRIT DEPARTMENT]

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PREFACE

Outcome Based Education (OBE) is the educational approach which focuses on student centric education in the context of development of personal, social, professional and knowledge (KSA) requirements in one's career and life. It is the decade ago curriculum development methodology. The educational triangle of *LEARNING-ASSESSMENT-TEACHING* is the unique nature of the OBE approach. The curriculum practices such as Competency Based Curriculum, Taylor's Model of Curriculum Development, Spadys' Curriculum principles, Blooms taxonomy and further use of assessment methodologies like, Norm-reference testing and Criterion reference testing, etc is being practiced since decades. It is also interesting to know that, globally, different countries and universities adopts the curriculum development models/approaches such as, CDIO (Conceive-Design-Implement-Operate), Evidenced Based Education, Systems' Approach, etc as the scientific and systematic approaches in curriculum design.

The authorities of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S.) in-lieu of accreditation standards of National Assessment and Accreditation Council, decided to opt for Outcomes Based Education (OBE). As the part of the decision, different meetings, workshops and presentations were held at the campus of university.

This document is the outcome of different meetings and workshops held at university level and department level. The detailed document is designed and the existing curriculum of the department is transformed in to the framework of OBE. This is the first step towards the implementation of OBE in the department. The document will serve all stakeholders in the effective implementation of the curriculum. The OBE is continuous process for quality enhancement and it will go a long way in order to enhance the competencies and employability of the graduates/Post-graduates of the university department.

Head of Department

INDEX

OUTCOME BASED EDUCATION

Faculty of Humanities

Department of Sanskrit

1. Mission:

Mission Statement
- To offer post-graduate and research program in Sanskrit language.
- To develop the professionals having mastery in Sanskrit language for its application in different fields of research, development, training and professional applications.
- To conduct research in languages and Sanskrit language for the development of scope of Sanskrit language.
- To promote Sanskrit language in the domain of higher education and society.
- To provide creative and innovative platform to develop value based and ethical Sanskrit linguistic professionals.

2. Vision:

Vision Statement
- The Department of Sanskrit aims to be one of the best university departments of Sanskrit in India. It will be the endeavour of the Department to provide proper grounding to students in areas like literature, linguistics, philosophy, poetics Sanskirt shastras etc. Over the next few years, the department plans to start many new initiatives, activities and programmes for the benefit of the students and development of the department

3. Title of the Program (s):
a. Master of Ats (Sanskrit)

4. Program Educational Objectives:

The program educational objectives (PEO) are the statement that describes the career and professional achievement after the program of studies (graduation/ post-graduation). The PEO s are driven form question no. (ii) of the Mission statement (What is the purpose of organization). The PEOs can be minimum three and maximum five.

PE01: In-depth knowledge of language, grammar, literature and application of these philosophies/techniques in the field of linguistic and societal development.

PEO2: To provide the professional services to private and public organization through competitive examination (NET/SET/MPSC/UPSC/ETC)

PEO3: To provide expertise and consultancy services in the private and public sector and to be an entrepreneur/professional consultant.

PEO4: To opt for higher education, research and to be a life-long learner.

PEO5: To provide value based and ethical leadership to the profession and social life.

5. Program Outcomes:

The program outcomes (PO) are the statement of competencies/ abilities. POs are the statement that describes the knowledge and the abilities the graduate/ post-graduate will have by the end of program studies.

    a. **Demonstrate mastery** of the discipline by detailing the development and current practices of literary studies, rhetoric, grammar and theme.

    b. **Demonstrate mastery** of the discipline by characterizing, instantiating, and critiquing the dominant critical theories, methodologies, and practices in the field.

    c. **Conduct research** that leads to a substantial original thesis, written over the course of the second year, in a subfield of the student's choice.

    d. **Conduct research** that engages and responds to diverse audiences of scholars, students, and community members.

    e. Demonstrate values and ethics in all **activities.**

6. Course- Program outcome Matrix:

The Program Outcomes are developed through the curriculum (curricular/co-curricular-extra-curricular activities). The program outcomes are attained through the course implementation. As an educator, one must know, *"to which POs his/her course in contributing?"*. So that one can design the learning experiences, select teaching method and design the tool for assessment. Hence, establishing the Corse-PO matrix is essential step in the OBE. The course-program outcomes matrix indicates the co-relation between the courses and program outcomes. The CO-PO matrix is the map of list of courses contributing to the development of respective POs.

CO-PO MATRIX

Course Code	a	b	C	D	e
PAPER-1	*	*	*	*	*
PAPER-2	*	*			*
PAPER-3	*	*			*
PAPER-4	*	*			*
PAPER-5	*	*			*
PAPER-6	*	*			*
PAPER-7	*	*	*	*	*
PAPER-8	*	*			*
PAPER-9	*	*			*
PAPER-10	*	*			*
PAPER-11	*	*			*
PAPER-12	*	*	*	*	*
PAPER-13	*	*	*	*	*
PAPER-14	*	*			*
PAPER-15	*	*	*	*	*
PAPER-16	*	*			*

7. Course Outcomes (for all courses):

The course outcomes are the statement that describes the knowledge & abilities developed in the student by the end of course (subject) teaching. The focus is on development of abilities rather than mere content. There can be 5 to 7 course outcomes of any course. These are to be written in the specific terms and not in general. The list of Course Outcomes is the part of _**Annexure-C**_ attached herewith.

8. Set Target levels for Attainment of Course Outcomes:

The course outcome attainment is assessed in order to track the graduates' performance w.r.t target level of performance. The CO-PO attainment is the tool used for continuous improvement in the graduates' abilities through appropriate learning & teaching strategies. In order to assess students' performance with respect to abilities (at the end of course teaching/by the end of program) the course outcome attainment are measured/calculated. In order to calculate the program outcome attainment, the course outcome attainment is calculated. Prior to that, the course-program outcome mapping is done.

9. Set Target level for Attainment of Program Outcomes:

The program outcome attainment is assessed in order to track the graduates' performance w.r.t target level of performance. The CO-PO attainment is the tool used for continuous improvement in the graduates' abilities through appropriate learning & teaching strategies. In order to assess students' performance with respect to abilities (at the end of course

teaching/by the end of program) the course outcome attainment and program outcome attainment is measured/calculated. The program outcome attainment is governed by curricular, co-curricular and extra-curricular activities including the stakeholders' participation. The direct method and indirect method is adopted to calculate the PO attainment. The direct method implies the attainment by course outcomes contributing to respective program outcomes. And indirect method is the satisfaction/feed-back survey of stakeholders. In order to calculate the program outcome attainment, the course outcome attainment is calculated. Prior to that, the course-program outcome mapping is done.

The set target level is the set benchmark to ensure the continuous improvements in the learners/ graduates' performance.

10. Course Attainment Levels:

a. CO attainment is defined/set at three levels;
b. The CO attainment is based on end term examination assessment and internal assessment;
c. The Co attainment is defined at three levels in ascending order-
    i. e.g. For end term and internal examination;
    ii. Level-1: 40% students scored more than class average
    iii. Level-2: 50% students score more than class average;
    iv. Level-3: 60% students score more than class average.
d. The target level is set (e.g. Level-2). It indicates that, the current target is level-2; 50% students score more than class average. The CO attainment is measured and the results are obtained. Based on the results of attainment, the corrective measures/remedial action are taken.
e. CO Attainment= 80% (Attainment level in end term examination) + 20% (Attainment level in internal examination).

11. Program attainment Level:

a. PO attainment is defined at five levels in ascending order;
b. The PO attainment is based on the average attainment level of corresponding courses (Direct Method) and feed-back survey (Indirect method);
c. The PO attainment levels are defined / set as stated below;
    i. Level-1: Greater than 0.5 and less than 1.0 (0.5>1)- Poor
    ii. Level-2: 1.0>1.5-Average
    iii. Level-3: 1.5>2.0-Good
    iv. Level-4: 2.0>2.5-Very Good
    v. Level-5: 2.5>3.0 -Excellent
d. The PO attainment target level is set/defined (say, Level-4). It implies that, the department is aiming at minimum level-4 (very good) in the performance of abilities by the graduates. Based upon the results of attainment, the remedial measures are taken;

e. PO Attainment= 80% (Average attainment level by direct method) + 20% (Average attainment level by indirect method).

12. The Results of CO Attainment:

FOR EXAMPLE:

COURSE CODE/TITLE: PAPER-1

      e.g. For end term and internal examination;
i.   Level-1: 40% students scored more than class average
ii.   Level-2: 50% students score more than class average;
iii.   Level-3: 60% students score more than class average

Average Marks in External examination: 41

% Students score more than 41 is 55.56 % i.e. Levl-2

Average Marks in Internal examination= 14

% Students score more than 14 is 61.11 %, i.e. Level-3

A (CO) CHE-103= 80% (2) +20(3)

        =1.6+0.6

        = 2.2

Hence, The attainment level is Level-2 and the set target level is Level-2 and therefore the CO is Fully attained.

Table No. 1.0: CO Attainment Level

Course Code	CO Attainment value	Target Attainment level	Fully Attained/ Not attained	Remedial Measures
PAPER-1	2.2	2.0	Fully Attained	
PAPER-2	2.2	2.0	Fully Attained	
PAPER-3	2.2	2.0	Fully Attained	
PAPER-4	2.2	2.0	Fully Attained	
PAPER-5	2.2	2.0	Fully Attained	
PAPER-6	2.6	2.0	Fully Attained	
PAPER-8	1.4	2.0	Not Attained	Assignment, tutorials,
PAPER-9	1.4	2.0	Not Attained	exercise and remedial

PAPER-10	1.4	2.0	Not Attained	coaching
PAPER-11	3	2.0	Fully Attained	
PAPER-12	2.2	2.0	Fully Attained	
PAPER-13	2.2	2.0	Fully Attained	
PAPER-14	0.6	2.0	Not Attained	Assignment, tutorials, exercise and remedial coaching
PAPER-15	2.2	2.0	Fully Attained	
PAPER-16	1.4	2.0	Not Attained	Assignment, tutorials, exercise and remedial coaching

13. The Results of PO Attainment:

FOR EXAMPLE: INORGANIC CHEMISTRY

PO NO.: d

(Note: Refer point No. 11 above which describes the attainment level and set target attainment level)

PO Attainment= 80% (Average attainment level by direct method) + 20% (Average attainment level by indirect method).

A (PO) d = 80% (2.2+2.2+2.2+2.2+2.2)/5 +20% (2.2)

=80% (2.2) + 20% (2.2)

= 2.2 i.e. Level-4. The Target Level is Level-4.

Hence, PO is attained.

Table No. 2.0 PO Attainment Level

PO/PSO number	PO Attainment Value	Target Attainment level	Fully attained/ Not Attained	Remedial Measures
a	1.98	3	Fully attained	Not applicable
b	1.98	3	Fully attained	
c	2.20	3	Fully attained	
d	2.20	3	Fully attained	
e	1.98	3	Fully attained	

14. Planned Actions for Course Attainment:

The courses having CO attainment less than Level-2 shall be addressed by remedial measures such as Assignment, tutorials, exercise and remedial coaching.

15. **Planned Actions for Program Outcome Attainment:**

Not Applicable.

ANNEXURE- B
RESULTS OF CO-PO ATTAINMENT

PO ATTAINMENT: SANSKRIT						
Course Code	A(CO)	A	B	c	D	E
PAPER-1	2.2	2.2	2.2	2.2	2.2	2.2
PAPER-2	2.2	2.2	2.2			2.2
PAPER-3	2.2	2.2	2.2			2.2
PAPER-4	2.2	2.2	2.2			2.2
PAPER-5	2.2	2.2	2.2			2.2
PAPER-6	2.6	2.6	2.6			2.6
PAPER-7	2.2	2.2	2.2	2.2	2.2	2.2
PAPER-8	1.4	1.4	1.4			1.4
PAPER-9	1.4	1.4	1.4			1.4
PAPER-10	1.4	1.4	1.4			1.4
PAPER-11	3	3	3			3
PAPER-12	2.2	2.2	2.2	2.2	2.2	2.2
PAPER-13	2.2	2.2	2.2	2.2	2.2	2.2
PAPER-14	0.6	0.6	0.6			0.6

PAPER-15	2.2	2.2	2.2	2.2	2.2	2.2
PAPER-16	1.4	1.4	1.4			1.4
	1.98	1.98	1.98	2.2	2.2	1.98