



JAGANNATH
UNIVERSITY

GUIDELINES FOR OUTCOME BASED EDUCATION SYSTEM

University Campus

NH-12, Chaksu Bypass, Tonk Road, Jaipur-303901
Phone: 0141-3020500/555, Fax: 0141-3020538

Plot No.-IP-2 & 3, Phase-IV, Sitapura Industrial Area, Jaipur-302022
Phone: 0141-4071551/552, Fax: 0141-4071562

**Recommended by the Academic Council vide Resolution No.34.31 dated June 20, 2019 and approved by the Board of Management vide Resolution No.37.17.06 dated June 22, 2019.*

Guidelines for Outcome Based Education System



Certified True Copy

Registrar
Jagan Nath University, Jaipur

INDEX

S.No.	PARTICULARS	PAGE
1.	Introduction	3
2.	Title and Application	3
3.	Objective	3
4.	Definitions	3
5.	Knowledge Levels	4
6.	Assessment Methods	4
7.	Procedure to Develop Outcome Based Syllabus	5
8.	Process to Develop CO, PO and Attainment	6-7



Certified True Copy

Registrar
Jagan Nath University, Jaipur

GUIDELINES FOR OUTCOMES BASED EDUCATION SYSTEM

1. Introduction

Outcome-based education (OBE) is a model of education that rejects the traditional focus on what the school provides to students, in favour of making students demonstrate that they "know and are able to do" whatever the required outcomes are.

Outcome based education (OBE) is student-centered instruction model that focuses on measuring student performance through outcomes. Outcomes include knowledge, skills and attitudes. Its focus remains on evaluation of outcomes of the program by stating the knowledge, skill and behavior a graduate is expected to attain upon completion of a program and after 4 – 5 years of graduation. In the OBE model, the required knowledge and skill sets for a particular engineering degree is predetermined and the students are evaluated for all the required parameters (Outcomes) during the course of the program.

The key features for implementation of Outcome based education system are –

- Development of curriculum framework that outlines specific and measurable outcomes.
- Instructional Methodology to ensure delivery for specified outcomes.
- Standards-based assessments that determines whether students have achieved the stated standard.

2. Title and Application

These Guidelines may be called Outcome Based Education Guidelines

These Guidelines shall apply to all students, faculty members and administrators.

3. Objective

The objective of these Guidelines is to ensure fair and reliable measure of students' performance, knowledge and skills against the learning outcomes and discipline pedagogy by evaluating the effectiveness of the teaching process and facilitating continuing improvement and promoting subsequent learning through feedback which shall be clear, informative, timely and relevant.

4. Definitions

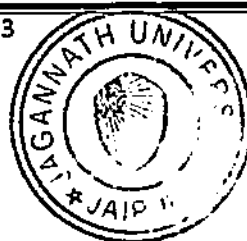
Outcome-Based Education (OBE) is a student-centric teaching and learning methodology in which the course delivery and assessment is planned to achieve stated objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels. Some important aspects of the Outcome Based Education

1. **Course** is defined as a theory, practical or theory cum practical subject studied in a semester. For e.g. Computer Applications Management

2. **Course Outcome (CO)** Course outcomes are statements that describe significant and essential learning that learners have achieved, and can reliably demonstrate at the end of a course. Outcomes may be specified for each course based on its weightage.

3. **Program** is defined as the specialization or discipline of a Degree. It is the interconnected arrangement of courses, co-curricular and extracurricular activities to accomplish predetermined objectives leading to the awarding of a degree. For e.g.: B.Tech., MBA etc.

4. **Program Outcomes (POs)** Program outcomes are narrower statements that describe what



(Handwritten signature)

students are expected to be able to do by the time of graduation. POs are expected to be aligned closely with Graduate Attributes.

5. **Program Educational Objectives (PEOs)** of a program are the statements that describe the expected achievements of graduates in their career, and also in particular, what the graduates are expected to perform and achieve during the first few years after graduation.

6. **Program Specific Outcomes (PSO)** are what the students should be able to do at the time of graduation with reference to a specific discipline. Usually there are two to four PSOs for a Program.

7. **Graduate Attributes (GA):** The graduate attributes, are exemplars of the attributes expected of a graduate from a Program.

5. Knowledge Levels as per Blooms Taxonomy -

LEVELS	PARAMETERS	DESCRIPTION
L1	Knowledge	It is the ability to remember the previously learned material/information
L2	Comprehension	It is the ability to grasp the meaning of material.
L3	Application	It is the ability to use learned material in new and concrete situations
L4	Analysis	It is the ability to break down material concept into its component parts/ subsections so that its organizational structure may be understood
L5	Synthesis	It is the ability to put parts/subsections together to form a new whole material/idea/concept/information
L6	Evaluation	It is the ability to judge the value of material/concept/statement/creative material /research report) for a given purpose

6. Assessment Methods:

Assessment is a core academic activity and an essential component of the learning process. Assessment of Program indicates the quality and extent of student achievement or performance, and therefore by inference a judgment about the student's learning. It inevitably shapes the learning that takes place; that is, what students learn and how they learn it should reflect closely the purposes and objectives of the Program

Program assessment is an ongoing process to support educational quality and student achievement. It is the main mechanism to monitor the effectiveness of the learning environment based on evidences that determine whether students have met the learning outcomes and Program objectives.

The University seeks to ensure that assessment occurs consistently and systematically so that the results contribute to University-wide planning that supports quality education. Assessment practices within the University are based on the general principles of validity and reliability, manageability and fairness. It is expected that staff use these principles while planning, implementing and reviewing assessment tasks and processes.



Jagannath University, for award of its degree and for purpose of evaluating outcome attainment ensures that defined COs, POs and PSOs are attained, question papers/ assignments are specifically planned in accordance with CO. Direct and Indirect Methods are used for the assessment of the attainment of CO, PO.

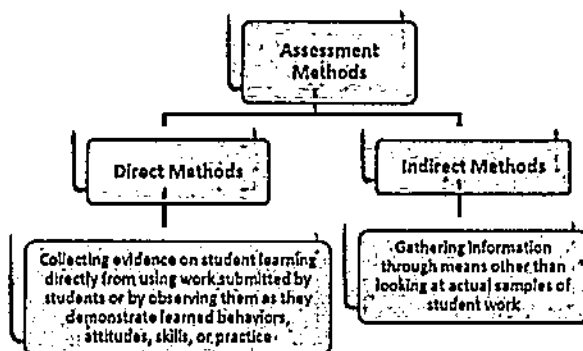
6.1 Direct method of assessment includes three domains of student learning i.e. cognitive domain, affective domain and psychomotor domain.

Assessment is done through two ways - external and internal

- External – Theory exam, lab/practical exams and project evaluation
- Internal – Mid-term, class assignments, tutorials, seminars/class project

6.2 Indirect method of assessment conducted by collecting and analysis of feedback from the stakeholders, alumni, employers to reflect on student's learning. The students also give feedback on each course and programme after each semester.

Innovative methods or modifications in the existing assessment methods may be done upon the recommendations of UGC and BoS based on the periodical review of the assessment methods.



Assessment of Learning Outcomes and analysis of Assessment Findings

- Teacher will assess each student's performance in each course and provide feedback to the student.
- Student will reflect on program experiences and provide feedback
- Program faculty will evaluate the curriculum and the students' collective performance with respect to stated learning outcomes and report their evaluation to the department.
- Internal and external reviewers provide feedback regarding the overall quality of the program and the experiences that relate most directly to student achievement of stated learning outcomes

7. Procedure to Develop Outcome Based Syllabus

The syllabi of all Programs shall include Program Outcomes (POs), Program Specific Outcomes (PSOs), course objectives, content, course outcomes, text books and references, lecture outlines, etc.

The Program Outcomes (POs), Program Specific Outcomes (POs) and Course Outcomes (COs) of all Programs and courses are to be prepared in alignment with University vision, mission and the learning requirements of the students.



The Course outcomes shall further be mapped with the Program outcomes and aligned with the Bloom's taxonomy learning levels. Similarly, Course outcomes shall further be mapped with the Course Delivery methods. Dean/HoDs will finalize course outcomes for each course after the series of discussions with all the teachers of the department.

The list of assessment methods along with the mapping of outcomes and assessment tools shall be put up for consideration in the Board of Studies (BoS) and further put up for the approval of Academic Council (AC).

The syllabus will be circulated to the respective members of faculty.

8. Process to Develop CO & PO and Attainment

8.1 Define Program Educational Objectives (PEO)

The Programme Educational Objectives of a program will be framed describing the expected achievements of graduates in their career, and also in particular, what the graduates are expected to perform and achieve during the first few years (3-5) after graduation. It should be prepared in consultation with all stakeholders.

8.2 Identify Graduate Attributes (GA)

Graduate Attributes is a set of individually assessable outcomes that are indicative of the graduate's / post graduate's potential to acquire competencies in a specific programme.

8.3 Develop Program Outcomes/Program Specific Outcomes

Program outcomes are narrower statements that describe what students are expected to be able to do by the time of graduation. POs are expected to be aligned closely with Graduate Attributes.

8.4 Develop Course Outcomes

The course outcomes are the statement that describes the knowledge & abilities developed in the students by the end of course (subject) teaching. The focus will be on development of abilities rather than content only. There can be 5 to 7 course outcomes of a course except for practical courses. These are to be written in specific terms and not in general.

8.5 Set Target levels for Attainment of Course Outcomes

The course outcome attainment will be assessed in order to track the graduate performance w.r.t target level of performance. The CO-PO attainment is the tool used for continuous improvement in the graduate ability through appropriate learning & teaching strategies.

- In order to assess student performance with respect to abilities (at the end of course teaching/by the end of program) the course outcome attainment shall be measured /calculated.
- In order to calculate the program outcome attainment, the course outcome attainment is calculated. Prior to that, the course-program outcome mapping will be done.

8.6 Set Target level for Attainment of Program Outcomes/Program Specific Outcome

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 will be governed by curricular, co-curricular and extra-curricular activities.



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 graduate's performance.

8.7. Attainment of CO

- a. The CO attainment will be based on end term examination assessment and internal assessment;
- b. A common format will be used for finding the average attainment of COs.
- c. The following are the three target levels: Low, Moderate and High attainment for direct and indirect methods
- d. Course Attainment Target Levels:
 - 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.
- e. Target level for attainment of COs will be set based on average marks of that course in the previous academic year.
- f. Attainment Level Calculation for each CO = 70% of direct level + 30% of indirect level of that CO
- g. The CO attainment will be measured and the results obtained. Based on the results of attainment, the corrective measures/remedial action will be taken.

8.8 Attainment of PO/PSO

- a. Program outcomes will be attained through direct and indirect methods.
 - Direct Attainment: All the courses which are mapped to a particular PO will be considered. Then the direct attainment value will be calculated based on the following formula:
$$\text{Direct PO Attainment} = \frac{\text{Sum of the average attainment level of the course outcomes mapped to a PO}}{\text{Total number of courses}}$$
 - Indirect Attainment: In this method, the feedback of students, parents, alumni and parents on the framed questionnaires will be considered
- d. The target level set, indicates the current target. The PO attainment is measured and the results are obtained. Based on the results of attainment, the corrective measures/remedial action are taken.
- e. PO Attainment = 70% (Attainment level in end term examination) + 30% (Attainment level in internal examination).
- f. The PO attainment is based on the average attainment level of corresponding courses through Direct Method and Indirect method.





GUIDELINES FOR VALUE ADDED COURSES*

University Campus

NH-12, Chaksu Bypass, Tonk Road, Jaipur-303901

Phone : 0141-3020500/555, Fax : 0141-3020538

Plot No.-IP-2 & 3, Phase-IV, Sitapura Industrial Area, Jaipur-302022

Phone : 0141-4071551/552, Fax : 0141-4071562

**Recommended by the Academic Council vide Resolution No .31.36 dated May 24, 2018 and approved by the Board of Management vide Resolution No. 34.10.12 dated May 26, 2018.*

Guidelines for Value-Added Courses



Certified True Copy
Registrar
Jagan Nath University, Jaipur

Guidelines for Value-Added courses

1. Introduction

Value-Added courses are part of the curriculum designed to provide necessary skills to increase the employability quotient and equipping the students with essential skills to succeed in life.

Jagan Nath University offers a wide variety of Value Added Courses which shall be conducted on holidays or after class hours. These courses shall be conducted by experts or in-house staff and help students stand apart from the rest in the job market by adding further value to their resume. These value added courses will be mostly independent to each type of the fields.

2. Objectives

Objectives of the Value Added Course are:

- To provide students an understanding of the expectations of industry.
- To improve employability skills of students.
- To bridge the skill gaps and make students industry ready.
- To provide an opportunity to students develop their inter-disciplinary skills.
- To mould students as job providers rather than job seekers.

3. Designing the Courses

- Before designing the syllabus, the feedback from the employers, alumni and industry people will be analyzed and considered to select and design an appropriate course by identifying the gaps.
- Apart from this discussions may also be held with the employers, alumni and industrial experts to understand the expectations for current and emerging trends.
- Any new Value Added Course developed by a Department should be placed before the Board of Studies and approved by the Academic Council.
- The course offered should not be the same as any course listed in the curriculum of the respective program/ or any other program offered in University Departments.
- A unique course code is to be given for each course.

4. Guidelines for conducting value added courses

- Value Added Course is not mandatory to qualify for any program.
- It is a teacher assisted learning course open to all students without any additional fee.
- Classes for VAC will be conducted during the RESERVED Time Slot in a week or beyond the regular class hours.
- The value added courses may be also conducted during weekends / vacation period.
- A student will be permitted to register only one Value Added Course in a Semester.
- The students may be allowed to take value added courses offered by other departments after obtaining permission from HoD of the Department offering the course.



5. Duration

The duration of value added course should not be less than 30 hours.

6. Procedure for Registration:

The list of Value Added Courses shall be displayed in the University Website along with the syllabus. A student shall register for a Value Added Course offered during the semester by submitting the duly filled in registration form. The Head of the Department shall segregate according to the choice opted and send it to the Dean of the Faculty offering the particular Value Added Courses.

7. Venue

- The Dean of the respective Faculty shall provide class room/s based on the number of students/batches.
- VAC shall be conducted in the respective Faculty itself.

8. Attendance

Each faculty handling a course shall be responsible for the maintenance of Attendance and Assessment Record for candidates who have registered for the course.

- The Record shall contain details of the students' attendance, marks obtained in the Internal Assessment Tests.
- Assignments, Seminars, etc. conducted.
- The record shall be submitted to the Head of the Department once a month for monitoring the attendance and syllabus coverage.
- At the end of the semester, the record shall be duly signed by the Course Instructor and the Head of the Department and placed in safe custody for any future verification.
- Each student shall have a minimum of 75% attendance in all the courses of the particular semester failing which he or she will not be permitted to write the End-Semester Examination.
- Relaxation of attendance requirement up to 10% may be granted for valid reasons such as illness, representing the University in extracurricular activities and participation in NCC.

9. Passing Requirement and Grading

- The passing requirement for value added courses shall be 40% of the marks prescribed for the course.
- A candidate who has not secured a minimum of 40% of marks in a course (internal and end-term) shall reappear for the course in the next semester/year.
- The grades obtained in VACs will not be included for calculating the CGPA.

10. Awarding Certificate

- Learners can get a certificate after they have registered for, written the exam and successfully passed.
- The students who have successfully completed the Value Added Course shall be issued with a Certificate duly signed by the Authorized signatories.



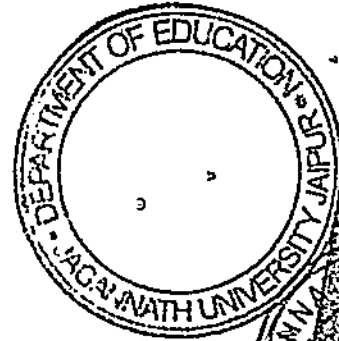
S. No. JNU/2019-20/B.Ed/21



JAGANNATH
UNIVERSITY, JAIPUR
UGC Approved & NAAC Accredited

Certificate

This is to certify that *Ankita Kumari* of *Education*
has completed A Value Added Course on *Personality Development (VAD)*
during the academic session.... *2019-20* at Jagannath University, Jaipur.



Ankita
Convener

Prakash
HOD
Department of Education
Jagannath University
Jaipur



Dean

Jaipur

S. No. JNU/2019-20/B-Ed/20



JAGANNATH
UNIVERSITY, JAIPUR
UGC Approved & NAAC Accredited

Certificate

This is to certify that*Dikkhush Meena*.....of.....*Education*.....
has completed A Value Added Course on*Management of School (VMS)*.....
during the academic session.....*2019-20*..... at Jagannath University, Jaipur.



Asst. Convener
Convener
an N

Dean
DEAN
FACULTY OF EDUCATION
JAGANNATH UNIVERSITY, JAIPUR



Dean
Dean

Letter of Understanding (LOU)

Between

CSRBOX

And

Jagannath University, Jaipur

This Letter of Understanding (LOU) is effective from 1st September 2020 ("Effective Date"), is entered into by and between

CSRBOX (Renalysis Consultants Pvt. Ltd.) having its corporate office at 401-402, Binori Bsquare I, Near Landmark Hotel, Ambli-Bopal Road, Ahmedabad, Gujarat, India 380051.

(Hereinafter referred to as "IBM SkillsBuild Country Partner-CSRBOX")

And

Jagannath University, Jaipur having its address as Campus at NH-12, Chaksu Bye pass, Jaipur- 303901

(Hereinafter referred to as "Jagannath University").

Recitals

- I. Whereas, IBM SkillsBuild represented by its country partner for India-CSRBOX, is skill building & learning digital platform where users can achieve industry relevant skills, get IBM certified badges & seek employment opportunities for Free.
- II. Whereas, Jagannath University, Jaipur is Jagan Nath University has been established in the year 2008, by an Act (Act No. 19 of 2008) of the Rajasthan State Legislature and is approved under section 2(f) of UGC Act 1956, vested with the authority to award Degrees, Diplomas and Certificates. The University has been established to cater to the growing needs of higher education in the country.

Objectives

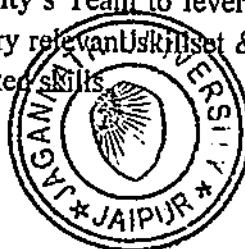
The objective of this LOU is to mutually complement both of the above parties' energies, outreach and efforts to curate opportunities of collaborations, sharing of knowledge resources and jointly work on building capacities of the users through the IBM SkillsBuild Platform.

Duration

This LOU is initially for one year duration w.e.f. 1st September, 2020.

Operational Aspects

Where IBM SkillsBuild will on-board 'Jagannath University' as the 'Partner' for IBM SkillsBuild platform, and work closely with Jagannath University's Team to leverage their student/learner base and other important stakeholders to build industry relevant skillset & enhance employability prospect of students/ learners by providing market-linked skills.



Certified True Copy
Registered
Jagan Nath University, Jaipur
1

IBM SkillsBuild Country Partner-CSRBOX will facilitate the on-boarding of learners (students) on the platform while Jagannath University will help in encouraging students to leverage the platform for better learning opportunities.

In order to maintain the desired level of social media outreach, each party promises to follow the branding guidelines for social media amplification sent as a part of the communication package. With respect to the social media outreach, each party will also appoint an appropriate person(s) to represent the organization.


Termination and Extension of LOU

The partnership covered by this LOU shall terminate upon completion of the agreed upon period. In the event of non-compliance or breach by one of the parties of the obligations binding upon it, the other party may terminate the agreement with immediate effect, if there is no resolution available for the breach. This LOU can be extended further as per the mutual agreement between the parties.


Financial Aspects

This LOU is of non-financial in nature where there is no financial transaction or provisioning involved.

The terms and provisions in this LOU also apply to any subsequent Addendum to this agreement. IN WITNESS WHEREOF, the parties hereto have executed this LOU on the day 1st of September 2020.



Registrar
Jagan Nath University
Tanmay Pattnayak
Registrar
For Jagannath University
NH-12, Chaksu By pass
Jaipur-303901
Rajasthan.



DIRECTOR
Renalysis Consultants Pvt. Ltd
Project Manager
For IBM SkillsBuild (CSRBOX)
401-402, Binori Bsquare I,
Ambli-Bopal Road, Ahmedabad
Gujarat, India 380051



Certified True Copy
Registrar
Jagan Nath U
Y. Ja