

IIS (deemed to be UNIVERSITY)
SFS, GURUKUL MARG, MANSAROVAR, JAIPUR



CAPACITY BUILDING INITIATIVES
(FACULTY/ STAFF DEVELOPMENT PROGRAMMES)

Annual Report

2020-21

Name and constitution of the Cell/Committee
FACULTY/ STAFF DEVELOPMENT PROGRAMMES

Dr. RimikaSinghvi (Nodal Officer)
Dr. Charu Sharma (Coordinator)
Dr. Mahima Rai (Coordinator)
Committee Members
Dr. Amita Sharma (CS &IT)
Dr. Aditi Bhardwaj
Dr. Ameeta Sharma (Biotech)
Dr. Arti Sharma
Dr. Isha Sharma
Mr. J. P. Karna
Dr. Kalpana Agarwal
Ms. Monica Jain
Dr. Neha Batra
Dr. Poonam Madan
Dr. Pragya Sharma
Dr. Princy Thomas
Dr. Priyanka Jain
Dr. Rimpay Shukla
Dr. ShilpiSaxena
Dr. Shubha Meghvanshi
Dr. Sneha Nathawat

Objective/Role of the Cell/Committee

The Committee aims to work towards the professional development and academic enrichment of the faculty members as well as the administrative/ support staff of the University. It specifically undertakes to:

- Improve performance metrics by organizing FDPs, trainings and workshops
- Enhance such employee-attributes as teamwork, leadership skills, initiative-taking, etc. by way of motivational talks and interactive sessions
- Disseminate knowledge and information regarding various fields of study, both generic and discipline/ domain-specific, through Invited Lectures

Number of meetings held in the year

Meetings are held in the form of activities.

Minutes of meetings of the committee with action taken:

NA (Activity reports and details are given subsequently)

List of Activities organized:

S. No.	Type of Event (Workshop /Seminar /FDP etc.)	Title of the event	Date	Venue	Name of Resource person (if any) with designation, address, email address & contact no.	No. of Participants/ Beneficiaries	Name of Collaborating Agency (if any) with address & contact no.	Weblink	Annexure No. of Report
1	FDP	Learning Outcome Based Curricular Framework (LOCF)	August 29, 2020 (2:20-4:00pm)	Held online	<ul style="list-style-type: none"> Dr. T.G. Sambanthan Former Professor & Head Add. - Dept. of CSE, National Institute of Technical Teachers Training & Research, Chennai email ID - tgsambanthan@gmail.com Ph. No. - 9444321697/7397353053 	160 (Approximately)	NA	https://iisuniv.ac.in/sites/default/files/pdf/FDP/LOCF%20FDP%20AUGUST%2020.pdf	i
2	Workshop	Learning Outcomes Curriculum Framework (LOCF)	Phase 1: 16-17 April 2021 (3:00-5:00 pm); Phase 2: 9-10 June 2021(5:00-6:30 pm)	Held online	<ul style="list-style-type: none"> Dr Sameer Sahestrabudae, Director, Educational Multimedia Research Center (EMMRC), Pune. sameerss@unipune.ac.in Dr Vinay Kulkarni, Associate Professor and NBA Institute Coordinator, DY Patil College of Engineering, Akurdi, Pune. kulkarnivinay@rediffmail.com Dr. Ajita Deshmukh Assistant Professor MIT ADT University, Pune jitadeshmukh13@gmail.com 	Approximate 180-190 participants for four days	The IQAC and FDP Committee of the University jointly organized the Workshop in partnership with Active Learning Workshops , a team of professionals in the field lead by Dr. Sameer Sahasrabududhe. activelearningworkshops@gmail.com	https://iisuniv.ac.in/sites/default/files/pdf/FDP/LOCF%20REPORT%20APRIL%20AND%20JUNE%202021.pdf 2	ii

Reports of activities

Annexure: i**Title of the event:** Learning Outcome Based Curricular Framework (LOCF)**Type of Event:** FDP**Date:** August 29, 2020**Venue:** Held Online**Name of Resource person (if any) with designation, address, email address & contact no.:**

S.No	Speaker's Name	Speaker's Designation	Institutional Address	Email address	Contact no.
1	Dr. T.G. Sambanthan	Former Professor & Head, Dept. of CSE	National Institute of Technical Teachers Training & Research, Chennai	tgsambanthan@gmail.com	9444321697/ 7397353053

No. of Participants/Beneficiaries (Teaching/Non-teaching/Students to be mentioned separately):

Teaching: 160 Approximately

Name of the activity Coordinator: Dr. Rimika Singhvi**Name of Collaborating Agency (if any) with address & contact no.:** NA**Objective of the workshop/seminar/activity:**

To develop an understanding of outcome-oriented higher education for enhancing the employability of graduates through curricular reform based on LOCF

Summary/Description:

To adopt the developments in the higher education sector, a one-day online Faculty Development Programme on **Learning Outcomes-based Curricular Framework (LOCF)** was organised. The resource person was **Dr T. Gnana Sambanthan**, Former Professor, Dept. of CSE, NITTTR, Chennai. Dr Rimika Singhvi, Coordinator- FDP Committee was the moderator was the session. Dr Singhvi formally introduced and welcomed the distinguished speaker.

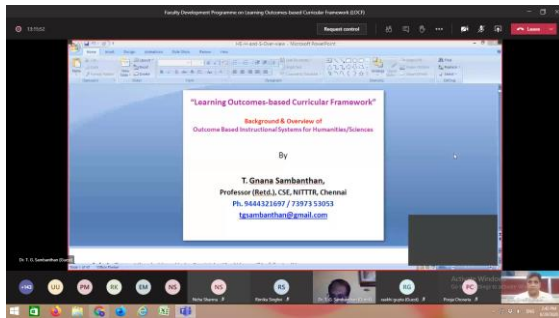
Dr Sambanthan commenced his session by highlighting the fact that initially all the institutions superficially adopted LOCF based on various accords like Washington Accord (1989), Dublin Accord, Sydney Accord, NAAC Accord etc. which were incorporated a mandatory

requirement of accreditation and gradually the institutions have learned the principles of Outcome-based education (OBE) and have applied it as an integral component of their teaching-learning and assessment methods. Dr Sambanthan discussed in detail the key features of OBE i.e. non-linear, learner centric, objective driven, holistic, flexible, thematic and skilled-based. He stated it focuses on continuous formative assessments that help in better evaluation of the student's progress.

Dr Sambanthan acquainted the participants with the fundamental principles on the framing of Programme Educational Objectives which are linked with the vision and mission of the institution and the specific course. He mentioned that at present, NAAC has consulted the Washington Accord and recommended five PSOs which can be taken as standards by the institutions or the institutions can design their own PSOs in alignment with these recommendations. After this the course outcomes are designed which, the student achieves at the end of each course. There are more than 500 learning outcomes in the world, the teachers have to select the specific learning outcome imbued with competencies and map it with their COs and POs. After designing the POs and COs the teacher has to apply rubrics for the assessment.

According to the research conducted by Dr Sambanthan of over 280 research publications, OBE is following exploratory learning principle and can be attained by pedagogical method called meta-cognitive domain, which has to be taken care in all the activities of OBE by the teacher. Dr Sambanthan believes and has proven facts that reveal that principles of OBE have originated from ancient India. This methodology was adopted by the ancient 'rishis-munis' to impart education to their students.

He elucidated that accurate assessment of the learning outcomes is only attainable with the assistance of a Virtual Learning Environment like Moodle etc., else OBE will become a complex exercise with enormous paper-work. He said that after analyzing the student characteristics, teacher characteristics and institutional characteristics a deep anatomy of fundamental core (specific learning areas), contemporary core and disciplinary core is required to develop holistic POs which should imbibe knowledge, skills and aptitude for real-world problem solving, this would motivate the students to learn the concept. Dr Sambanthan concluded his session by saying that the ultimate objective that the student should become lifelong self-regulated learners. After the discussion, the session concluded with a formal vote of thanks by Dr. Rimika Singhvi. More than 160 teachers participated in the FDP.



FDP on Learning Outcome Based Curricular Framework (LOCF)

Outcome of the activity/event/seminar/workshop:

A better understanding of the OBE philosophy and principles; demystification with regard to PEOs, POs and COs; and, learning to move from LOs to POs, in terms of imbining skill with behaviour-competencies

Weblink:

<https://iisuniv.ac.in/sites/default/files/pdf/FDP/LOCF%20FDP%20AUGUST%202020.pdf>

Annexure: ii**Title of the event:** Learning Outcomes Curriculum Framework (LOCF)**Type of Event:** Workshop**Dates:** Phase 1 –16 - April 17, 2021 (3:00 to 5:00 pm)

Phase 2- 9 -10 June, 2021 (5:00 – 6:30 pm)

Venue: Held Online**Name of Resource person (if any) with designation, address, email address & contact no.:**

S.No	Speaker's Name	Speaker's Designation	Institutional Address	Email address
1	Dr Sameer Sahasrabudhe	Director	Educational Multimedia Research Center (EMMRC), Pune.	sameerss@unipune.ac.in
2	Dr Vinay Kulkarni	Associate Professor and NBA Institute Coordinator	DY Patil College of Engineering, Akurdi, Pune.	kulkarnivinay@rediffmail.com
3	Dr. Ajita Deshmukh	Assistant Professor	MIT ADT University, Pune	ajitadeshmukh13@gmail.com

No. of Participants/Beneficiaries (Teaching/Non-teaching/Students to be mentioned separately):

Teaching Faculty Members: Approximate 180-190 participants for four days

Name of the Activity Coordinator (s): Dr. Rimika Singhvi, Dr Payal Mehtani**Name of Collaborating Agency (if any) with address & contact no.:**

The IQAC and FDP Committee of the University jointly organised the Workshop in partnership with **Active Learning Workshops**, a team of professionals in the field lead by Dr. Sameer Sahasrabududhe.

Email: activeleaningworkshops@gmail.com<https://ssameers.wordpress.com/active-learning/>**Objective of the workshop/seminar/activity:**

The University as per the Quality Mandate of UGC has adopted Learning Outcomes-based Curriculum as an endeavour to foster holistic education that

bridges the gap in acquiring degree and attain the level of employability among the students. As the concept is still in its nascent stage in India, thoughtful deliberations are required to build capacity of teachers that will strengthen their skills of designing outcome-based curriculum, supportive interactive teaching-learning pedagogies, effective assessment methods and map the attainment of programmes outcomes. To attain this objective, the University conducted a phased 4-day workshop with curated sessions on understanding the rationale and framing the learning objectives as per the Learning Outcomes Curriculum Framework (LOCF).

Summary/Description:

The IQAC and FDP Committee of the University jointly organized a 4 days' Workshop in partnership with Active Learning Workshops, a team of professionals in the field, lead by Dr Sameer Sahasrabududhe.

Phase 1 – April 16 and April 17, 2021

Dr Rimika Singh, Coordinator, FDP Committee formally welcomed and introduced the resource persons for the day, Dr Sameer Sahestrabudae, *Director, Educational Multimedia Research Center (EMMRC), Pune*, and Dr Vinay Kulkarni, Associate Professor and NBA Institute Coordinator, DY Patil College of Engineering, Akurdi, Pune.

Dr Ashok Gupta, Chancellor, IIS (deemed to be University) delivered the Welcome Address. Dr Raakhi Gupta, Registrar also welcomed the team of experts. Dr Vinay Kulkarni, lead instructor for the Phase 1 i.e. Day 1 and Day 2 took the session on '**Demystifying OBE**'. He introduced the meaning of the terminologies such as Course Outcomes(Cos), Programme Outcomes (Pos) and Programme Specific Outcomes(PSOs).

Dr Kulkarni discussed Bloom's Taxonomy and how it is instrumental in designing Outcome-based curriculum. He stated that curriculums should focus on Higher Order Thinking Skills such as analysis, evaluation and creation.

Dr Kulkarni instructed that ideally, Pos should be not more than 12 and should be based on knowledge, skills and competency (12KSCs). After the process of designing the Cos, Pos and PSOs, he demonstrated its mapping for the success of the framework.

The teachers were assigned to prepared Pos and Cos for their respective subjects from the job descriptions and job specifications mentioned on the renowned job portals.

Phase 2-June 9 and June 10,2021

The third session of the workshop focused on “Active Learning Pedagogy”. The resource person for the session was Dr. Ajita Deshmukh. She elaborated the concept of active learning and motivated the participants to share their A-ha moment, when student learning was up to the expectations. Dr. Ajita discussed various active learning strategies and explained how to frame appropriate assessment questions based on Bloom’s Taxonomy. She gave examples to further explain how BT level 1 and 2 questions can be transformed to BT level 4 and 5. She also stressed that lectures should be interactive and topics should be connected with real life examples. She stated that learning outcome is calculated in terms of student attainment and adoption of active learning pedagogy will enrich the classroom experience of the students and improve the quality of education.

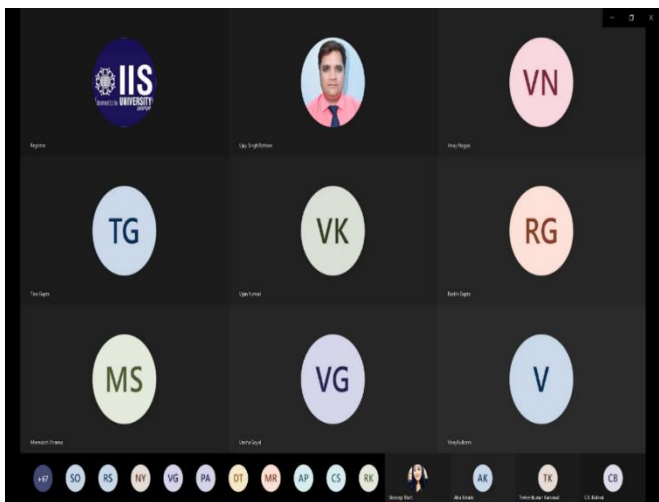
Day 4 of the workshop started speaker, Mr Vinay Kulkarni . He opened the session by inviting comments regarding learning from previous session. He continued further by a brief recap of his earlier session. Further, he elaborated on framing of Programme Outcomes (Pos), Programme Specific Outcome (PSOs) and Course Outcomes (COS) by taking various examples. He discussed few specific examples from work submitted by Faculty members on the basis of their learnings from the previous sessions.

Prof Sharma and Dr Raakhi Gupta thanked the entire team of Active learning for conducting the workshop. Dr Rimika Singh proposed a formal vote of thanks in the end.

Approximate 180-190 participants attended these sessions on 4 days.

Workshop on Learning Outcomes Curriculum Framework (LOCF)

Phase 1 :16 – 17 April, 2021



Activity: Think and

What are the qualities that a Graduate should have?

Share your comments in the chat window

Handwritten notes: Business Communication skills, 1 min communication, exchanging information, AFM, RealLife example

OBE Framework

Board of Studies
 Program Outcomes
 Program Specific Outcomes
 Curriculum
 Discipline Core Courses
 Discipline Electives
 Foundation Courses
 Courses
 Course Outcomes

Discussion

Important attributes of POs and COs

- specific
- measurable
- attainable

Instead of:
 Students will understand holistic issues of environment and sustainable development

Make it:
 ...mno

CO1 | BT5

Students will evaluate Indian economy from environmental, infrastructural and resource oriented context to sustain and strengthen national wealth to benefit society

Handwritten notes: CO-PO First, CO, Purpose

Specific - Condition, Purpose
 Measurable
 Attainable

CO-PO Case Study: Economics

Indian Economic Services UPSC – Indian Statistical Service Examination 2020

SECTION-B

Answer any SIX questions out of the following NINE in about 200 words each : 15x6=90

3. What is sustainable national income? What modifications are required in the conventional national accounting system to arrive at an environmentally adjusted national income? CO1-PO6 (Level solving this question will ensure dissemination of corresponding CO-PO)

Handwritten notes: BT 5, FIRST YEAR STUDENT

Workshop on Learning Outcomes Curriculum Framework (LOCF)

Phase 2: 9 -10 June, 2021

Active Learning Strategies

- Think-Pair-Share
- Predict-Observe-Explain
- Peer-Instruction
- Team-Pair-Solo
- Many others: Debates, Role-play, Problem-based learning

Predict-Observe-Explain (POE)

TEACHER	LEARNER
1. Plays the visual upto a strategic point.	2. Watches the visual.
3. Pauses the visual.	4. Predicts and discusses what will follow.
5. Shows rest of the visual.	6. Observes the remaining visual.
7. Discusses the principles explained in the video.	

Reflection Spot 1 min: Unmute or type in Chat Window

1 Identify, is it objective or outcome [Test for SCPAME]

2 The students would learn about sales promotion and its various techniques of consumer and industrial promotion

Bloom's Taxonomy

Level	Verb	Description	Example
Higher Order Thinking Skills (HOTS)	create	Produce new or original work	Design, assemble, construct, compare, develop, formulate, author, investigate
	evaluate	Justify a stand or decision	Research, argue, defend, judge, select, support, sustain, weigh
	analyze	Show connections among ideas	Differentiate, organize, compare, contrast, distinguish, examine, select, deconstruct
Lower Order Thinking Skills (LOTS)	apply	Use information in new situations	Execute, implement, solve, use, demonstrate, interpret, compare, transfer, select
	understand	Explain ideas or concepts	Identify, describe, discuss, define, identify, locate, recognize, report, select, translate
	remember	Recall facts and basic concepts	Define, describe, list, recognize, recall, state

Example: > 12 Lakhs Per Annum (create), < 12 Lakhs Per Annum (evaluate), < 6 Lakhs Per Annum (analyze), Basic Package (apply), Google Question (understand), Google Question (remember).

A grid of 9 video thumbnails showing various participants in a Zoom meeting. The bottom bar shows participant initials: U, RC, AS, LS, RS, MS, NS, AP, SP, RR, NK, PS, AK.

Outcome of the activity/event/seminar/workshop:

A total of 117 assignments on POs and COs were submitted by the participating Faculty members at end of phase 1 which were evaluated and reviewed in the phase 2 by the Active Learning team. This workshop helped the participant to enhance their understanding regarding framing of Pos, PSOs and Cos.

Weblink:<https://iisuniv.ac.in/sites/default/files/pdf/FDP/LOCF%20REPORT%20APRIL%20AND%20JUNE%202021.pdf>