

Maharshi Karve Stree Shikshan Samstha's
Cummins College of Engineering for Women
(An Autonomous Institute Affiliated to Savitribai Phule Pune University) .
Karvenagar, Pune - 411 052.

Ref : CCEW/IQAC/67/20-21

Date : 24th March, 2021

A meeting of Internal Quality Assurance Cell was scheduled on 17th March, 2021 at 3.30 p.m. in the Conference Hall of Mechanical Building (Third Floor). Following members were present for the meeting.

(01) Dr. Madhuri Khambete	(02) Shri. Kishor Desarda	(03) Dr. P.V.S. Shastry
(04) Dr. Vikram Athalye	(05) Dr. Ravindra Ingle	(06) Prof. A.N. Muchrikar
(07) Dr. Ajit Bhosale	(08) Dr. Sunita Jahirabadkar	(09) Dr. Mrudul Dixit
(10) Ms. Revati Gore	(11) Miss. Shreeya Patil	

Mrs. Meghana Vaidya communicated her inability to attend the meeting. Shri. Ashish Daryapurkar, was not present for the meeting. Absence of these IQAC members was approved by IQAC.

Following points were discussed & decisions were taken in the meeting.

Point No. 1 : To confirm the minutes of the previous IQAC meeting, held on August 12, 2020.

Decision: Minutes of the previous IQAC meeting, held on August 12, 2020 were confirmed.

Point No. 2 : Review of the online teaching-learning process (2020-21 semester - I).

Discussion: The online classes of F.Y. B.Tech. Sem-I and F.Y. M.Tech. Sem-I were started from 8th February and 15th February 2021 respectively and online classes of S.Y., T.Y. and Final Year B.Tech. Sem- II were started from 1st March 2021.

The end of teaching of F.Y. B.Tech. Sem-I and T Y, Final Year B.Tech. Sem-II and F.Y. M.Tech. Sem-I will be by 5th May, 2021 whereas end of teaching along with online conduction of practicals of S.Y. B.Tech. Sem-I/II will be by 15th May, 2021. The online demonstration, explanation and conduction of practicals of S.Y. B.Tech. Sem-I/II and Final year B.Tech. Sem-II will be ended by 4th June, 2021 whereas online conduction of PG practical oral will be started from 2nd June 2021.

The online classes of F.Y. B.Tech. and M.Tech. Sem-II will begin from 21st June 2021.

Examinations related:

The online examinations of T2 and ESE of F.Y. B.Tech. Sem-I and T.Y. B.Tech. Sem-II will be conducted from 12th May, 2021 whereas T2 and ESE of S.Y. and Final Year B.Tech. Sem-II will start from 9th June 2021.

The online examination of T2 and ESE of F.Y. M.Tech. Sem-I will be started from 12th May 2021, whereas online conduction of P.G. practical oral will be started from 2nd June, 2021.

The online T2 and ESE examinations of all Undergraduate Programmes of Sem-I were conducted from December 2020 till January, 2021 (Except F.Y. B.Tech.).

Point No. 3 : Review of the online conduction of exams (2020-21 semester - I).

Discussion: Online proctored examinations of T2 and ESE are conducted for S.Y. B.Tech., T.Y. B.Tech. and Final Year B.Tech. were conducted in January, 2021.

Question Banks for each course were prepared by faculty. Paper set were randomly generated as well as randomly allocated to students.

Point No. 4 : Presentation of the R & D related efforts taken by the faculty during 2020-21.

Discussion: Dean - R&D presented highlights of the research and innovation related activities of the institute, as summarized below:

Patents and Publications:

Number of Patents Filed	:	5
Number of Patents Published	:	8
Papers Published in Conference	:	SCOPUS - 13 & Other - 6
Papers Published in Journals	:	SCI - 5, SCOPUS - 6 & Other - 9

Books, Book chapters and other:

Books :

Service Oriented Architecture, by Prof. Pranjali Deshpande

Book Chapters : 2

Number of faculty as Resource Person in in conferences & FDPs:

Computers	:	4
E&TC	:	2
IT	:	2

New PhDs Added: BSH (Registered)- 1, Computer - 1, I.T. - 2, E&TC - 2
Number of Faculty completed the responsibility of : Session Chair - 3 &
Reviewer - 23.

Ongoing funded research Projects:

SN	Dr. Anand Bewoor	Department	Funding Agency	Amount
1	Dr. Anand Bewoor	Mechanical	RGSTC	16.8 L
2	Dr. Ashwini Deshpande	E & TC	ISRO	8.7 L
3	Dr. D S Watvisave	Mechanical	AICTE	25.95 L
4	Prof. Nilesh Kolhalkar	Mechanical	SPPU	3.0 L
5	Dr. Anagha Kulkarni	I.T.	IBM-SUR	8.1 L
			Total	62.55 L

Faculty Achievements:

1. Dr. Sunita Jahirabadkar rewarded with 3rd International Annual Award "GECL 2020" by LWT, India.
2. Dr. Sunita Jahirabadkar received the "Domain Expert Certification in Patents and Intellectual Property Rights" after Successful completion of all the requirements by SWAYAM-NPTEL.
3. Dr. Anjali Naik was awarded with "Best paper in Networking Domain" for the paper titled "Analysis of Shallow Neural Network for the Lung Cancer Detection Using CT - Scan Images" in First Doctoral Symposium on Natural Computing Research DSNCR 2020 at SKNCOEW, Pune.
4. Dr. Prachi Mukherji Received "International Academic Leader Award 2020-21", Instituted by the International Institute of organized Research (I2OR).
5. Dr. Sharada Ohatkar received "The Best Women award for innovative technology in teaching" awarded by Genesin of Educational Impressions, Roorkee.
6. Dr. Ashwini Deshpande Received "Outstanding Women Award for Research Project of the Year" awarded by Genesin of Educational Impressions, Roorkee.
7. Dr. Mrudul Dixit and students received Best Paper award at International Conference on "Recent Trends in Communication & Electronics" (ICCE-2020).
8. Dr. Dipti Patil awarded with Best Innovation Award 2020-21 by SPPU.
9. Dr. Anagha Kulkarni awarded with SWE Outstanding Outreach Program and SWE Joint Professional / Collegiate Event.

Students Achievements:

1. Three students from the 2019 batch (Ms. Sanchali Jadhav, Ms. Priyanka Inde and Ms. Ankita Chaudhari) and 1 student from current TY class (Ms. Prerana Burande) are registering for a startup on the 'Smart Shoe' project.
2. Two students from the 2019 batch (Ms. Shalmali Kadu and Ms. Medha Moorching) are registering for a startup on the 'Diatom recognition' (Water Pollution Analysis using Machine Learning) project.
3. Instrumentation and Controls students group received prestigious NES Best Innovation Award for the year 2020 and
4. IT students group received NES "Most commendable Project award".

Point No. 5 : Presentation of the "Question Paper Audit" report of 2019-20.

Discussion: Dean - Quality Assurance presented the following 10-point checklist format for question paper audit:

Sr. No.	Checklist	Course Chairperson's Response (Yes / No)*	Auditor's Observation (Yes / No)* with remarks, if any.
	General		
1	Template: Question Paper Template is followed.		
2	Language: The framing of questions is unambiguous, technically appropriate and grammatically correct.		
3	Time: The total time provided to attempt the question paper is sufficient.		
4	Difficulty Levels: The questions represent an appropriate distribution (weightage) among the three difficulty levels (i.e. easy, medium and difficult/challenging).		
5	Syllabus Coverage: All the question papers set for the course (i.e. the entire evaluation scheme for the course) together cover all the modules or units from the course contents.		
6	Mark Distribution for the questions and sub-questions is clearly indicated.		

	Related to the Course Outcomes (COs)		
7	Mapping: Each question appropriately maps with at least one of the course outcomes.		
8	Coverage: All the COs are covered in the entire evaluation scheme (e.g. T1, T2 and ESE — all together) of the course.		
	Related to the Bloom's Levels (BLs)		
9	Higher Cognitive Levels: Questions pertaining to the Bloom's levels of Analyze / Evaluate are included in the evaluation scheme of the course.		
10	Weightage: % marks of the higher cognitive levels:		

He also presented the following summary of observations:

Following was the observed "Programme Year-wise" average % of the weightage for the higher cognitive levels (Benchmark: First Year — 10%, Second Year — 20%, Third & Final Year — 30% each):

Programme Year	Average % of the weightage (higher cognitive levels)
First Year B. Tech.	~ 9 marks out of 100 (9%)
Second Year B. Tech.	~ 16 marks out of 100 (16%)
Third Year B. Tech.	~ 31 marks out of 100 (31%)
Final Year B. Tech.	~ 28 marks out of 100 (28%)

It was noted that for the A. Y. 2019-20, evaluation of the theory courses offered in each of the four programme years is close to its respective benchmark with respect to the average % of the weightage for the higher cognitive levels.

In some of the audit reports, certain extremities were observed. These pertained mainly to the percentage of the weightage of higher cognitive levels in the question papers, observed either as *very low* or as *very high*.

In such cases, the Principal and the Dean - Quality Assurance conducted meetings with the concerned course chairpersons (along with their respective auditors) and gave suggestions for improvement.

Point No. 6 : Presentation of the "Student Satisfaction Survey" responses (December 2020).

Discussion: Dean - Quality Assurance presented the student responses to the satisfaction survey, which were based on the overall performance of the faculty and the institute pertaining to teaching, course completion and evaluation, counseling and mentoring, opportunities for internships and exposure to co-curricular and extra-curricular activities. It was observed that the overall satisfaction level expressed by the students is high.



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