

Shri G.S. Institute of Technology & Science, Indore

Department of Computer Engineering

**MINUTES OF MEETING OF DEPARTMENTAL PROGRAM ASSESSMENT AND QUALITY
IMPROVEMENT COMMITTEE (DPAQIC) IN COMPUTER ENGINEERING**

Date: 09/01/24

A meeting of the DPAQIC in Computer Engineering was held on Tuesday, 09/01/24 at 11:30 am in hybrid mode. Except two external experts who attend the meeting in online mode [via google meet link <https://meet.google.com/mqh-jkvx-xjx>], all the other members attended the meeting in person in the cabin of Head, Computer Engineering Department.

Following were present:

1.	Dr. Vandan Tewari (HoD, Department of Computer Engineering)	Chairperson
2.	Mr. V. R. Sathe, IT Consultant, Indore	Member, External Expert
3.	Dr. Maya Ingle, Professor, SCS, DAVV, Indore (attended in online mode)	Member, External Expert
4.	Dr. Namita Mittal, Head, Department of Computer Engineering, MNIT, Jaipur (attended in online mode)	Member, External Expert
5.	Prof. Arun Parakh, Professor, Department of Electrical Engineering	Member, Senior Professor from other department
6.	Prof. D.A. Mehta, Professor, Department of Computer Engineering	Member, Senior Professor from the department
7.	Dr. Urjita Thakar, Professor, Department of Computer Engineering	Member, Senior Professor from the department
8.	Dr. Anuradha Purohit, Professor, Department of Computer Engineering	Invitee
9.	Mr. Surendra Gupta, Associate Professor, Department of Computer Engineering	Invitee
10.	Mr. Rajesh Dhakad, Associate Professor, Department of Computer Engineering	Invitee
11.	Ms. Neha Mehra, Assistant Professor, Department of Computer Engineering	Invitee
12.	Ms. Priyanka Bamne, Assistant Professor, Department of Computer Engineering	Invitee

Following are the deliberations of the meeting:

The meeting started with discussion on the Vision and Mission of the Institute and the department. It was the opinion of the experts that the word 'Human Resources' should be replaced by word 'Professionals' in the Vision statement, since the institute is producing professionals/engineers. All the members accepted the proposal and the vision statement was updated. It now reads as: **"To become center of excellence for creating competent**

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professionals in the field of Computer Science and Engineering, meeting the dynamic societal and industrial needs”

The agenda of the meeting was discussed next.

Item 1: Presenting Action Taken Report for last DPAQIC Meeting held on 16th May, 2023

The actions taken on the recommendations made by the DPAQIC in the meeting held on 16th May, 2023 were presented which are as follows:

- The recommendations of DPQAIC (held on 16.05.2023) were discussed in the meeting of Board of Studies of Computer Engineering. The same recommendations were given by the BoS, and subsequently Academic Council of the institute approved these recommendations in its meeting held on 14/09/23.
- It was reported that electrification and networking of two labs (Data Science and IoT) has been completed. These labs will facilitate the students to work with their laptops also.
- It was informed by the HoD that appointment of new faculty members is under way with scrutiny of applications going on currently.

Item 2: To Review the updated academic and administrative processes in the department in light of increased intake of students

- Based on the SWOT analysis of the department and looking to the increased intake of students which has further deteriorated the SFR, and increased the requirement of lab. Staff, the experts emphasized that the Institute administration be strongly requested for the recruitment of Faculty and Lab Staff as per the NBA and AICTE mandate, Student intake be reduced till then.
- The physical and computing resources requirements to ensure effective teaching learning were discussed. A table containing information about the current availability and incremental requirement in subsequent years is given in Annexure-1. The members expressed serious concern about the inadequacy of labs and computing resources to cater to the increased strength of students, and recommended that the requirements should be met in the time frame for ensuring good quality of teaching-learning.
- HoD, Computer Engineering Department informed about promoting auto evaluation platforms like code runner for fast and correct evaluation of

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programming assignments and use of virtual labs for conduction of some experiments in subjects like Computer Architecture.

- It was suggested by the experts that, experts from industry may be invited to take a portion of a course (say 10-15%) to meet the shortage of faculty. In this regard, the HoD informed that the Department is trying to get support from nearby industries for engaging surplus load, and an approval for inviting two industry experts as Visiting Faculty for engaging some courses in the current semester has been taken. The DPAQIC expressed satisfaction on the efforts being made.

Item 3: To discuss about internship of students

HoD, Computer Engineering raised the point that all the students do not get internship in the industries and requested the members to suggest alternatives for such students. After due discussion, it was recommended that:

- All possible attempts/efforts should be made to get the internship in industries so that the students get exposure to working environment of industries.
- However, if they do not get internships in industry then-
 - (i) In-house internship with an assigned mentor can also be accepted.
 - (ii) Students may try to get problems from Govt. organizations like IMC. Smart city project etc., and work on those problems under the mentorship of one external and one internal mentor.
- If a student does not get the internship anywhere then the credits for internship may be earned through relevant MooCs courses approved by the department.

Members also expressed their concern about paid internships and advised that these should be scrutinized and assessed thoroughly.

Item 4: To discuss Updation of curriculum as per NEP (Defining Exit Policy under NEP)

Following are the deliberations:

- (1) As per Ordinance 4D of RGPV, for exiting from a course, a student needs to earn additional 10 credits, out of which 6 credits are to be earned from job specific internship and 4 credits through a course/courses approved by BoS. The student can be permitted to complete these courses from any standard MooCs platform, approved by BoS.

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An Exit-policy document prepared by the deptt. was presented, containing the courses/specializations for exit after 1st, 2nd and 3rd year of B.Tech. course.

It was the opinion of the experts that, to increase prospects of employability of students, more skill based courses be offered and syllabi be designed accordingly. Some interdisciplinary skill based courses may also be added.

After considering above points, the Exit-policy document was revised, and is enclosed as Annexure-II.

It was noted by the members that there is no clear policy defined in the ordinance, regarding entry/re-entry. The DPAQIC suggested to discuss this matter in Academic Council of the institute.

- (2) The total credits assigned for internships and projects in the curriculum of B.Tech. were reviewed and it was recommended that for internships & projects, credits may be increased appropriately (up to about 20% of total credits of the scheme).

It was resolved that this matter be considered while preparing new scheme under NEP 2020 and be discussed in BoS meeting.

Item 5: To review the development of faculty and lab staff in last six months


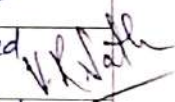
All the members expressed satisfaction on the measures taken for development of faculty and staff. It was suggested that for any faculty/staff development program attended by a faculty/staff, proper documentation should be done including the feedback and final outcome etc. The attendee should make a presentation in the department about the takeaway from the program attended by him/her.

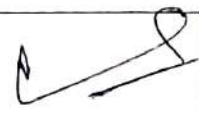


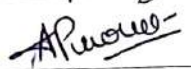

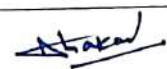

Item 6: Any other item with the permission of Chair

No other matter was discussed under this item.

The meeting ended with a vote of thanks to the Chair.

Signatures of Members:

1.	Dr. Vandan Tewari (HoD, Dept. of Comp. Engg.)	Chairperson	
2.	Mr. V. R. Sathe, IT Consultant, Indore	Member, External Expert	Attended 
3.	Dr. Maya Ingle, Professor, SCS, DAVV, Indore	Member, External Expert	Attended Online
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