Minutes of 43rd Senate Meeting

Date: 24th March 2018, 11am onward

Venue : Mini Auditorium

Agenda

Item. No.	Item
1	Confirmation of Minutes of 42nd Senate Meeting dated 6th Dec. 2017.
2	Actions Taken Report (ATR) on the Resolutions/Decisions of the 42nd Senate meeting held on 6th Dec.2017
3	Curriculum Revision-2015: Final B.Tech. Detailed Syllabi (Cursory) Presentations by the Heads of the Departments, to be implemented w.e.f. AY 2018-19.
4	IIIT, Pune: TY B.Tech Detailed Syllabi (Cursory) Presentations by Respective Heads.
5	New (Changed) PhD Rules and Regulations, released by SPPU w.e.f. Jan. 2018: Presentation by PhD Coordinator and Dean-Academics
6	Progression of Management Information System (MIS) at COEP, Post Autonomy: by Deputy Director

7	Some Important Updates:
	
	 a. Information on Status of Honors/Minor Courses at TY B.Tech
	
	 b. Information on MOOC Enrollments at TY B.Tech
	
	 c. Proposals on ILOEs by Alumni
	
	 d. Draft Proposals by Senate Sub-committees constituted for
	
	      i. Examination Reforms
	
	      ii. Students' Feedback System
	
	 e. Appreciation of Most Vigilant Invigilators

8	Any Other Point/s with Permission of the Chair:

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Dean Academics- Prof. M. S. Sutaone welcomed the Chairman- Prof. B. B. Ahuja and all other members of the Senate and requested the Chairman to declare the meeting open. The Chairman welcomed all and announced the commencement of the 43rd Senate meeting to discuss various points as per the agenda.

Attendance of all the members present was recorded in the proceeding book.

Sen-43-01: Confirmation of Minutes of 42nd Senate Meeting dated 6th Dec. 2017.

The minutes of the 42nd Senate Meeting held on 6th December 2017 were already circulated to all the members beforehand by the Dean Academics, which were once again discussed and after due deliberations, the members unanimously confirmed the minutes.

Resolution R-43-01: The Senate confirmed the minutes of the 42nd Senate unanimously.

Sen-43-02: Actions Taken Report (ATR) on the Resolutions/Decisions of the 42nd Senate .

Dean Academics presented the Actions Taken Report (ATR) on various Resolutions/Decisions taken in 42nd meeting (details mentioned in Appendix-1)

Resolution R-43-02: Actions Taken in the 42nd Senate meeting on various academic resolutions, decisions, suggestions, issues, concerns etc. were noted by the senate.

Sen-43-03: Curriculum Revision-2015: Final B.Tech. Detailed Syllabi (Cursory) Presentations by Heads of the Departments, to be implemented w.e.f. AY 2018-19.

As informed to the Heads before, respective Department conducted the DUPC meeting and got the syllabi approved by then DUPC members, which were presented before the Senate by the heads. Dean-Academics requested all the Heads to strictly adhere to the Curriculum structure recommended by the Senate in terms of ILOE and Dept. elective slots, mandatory learning courses and project stage-I & II credits.

The dates of DUPC meeting of the respective departments were noted as below.

Department	Date of DUPC meeting
Civil Engineering	22/03/2018
Computer & IT	03/03/2018
Electrical Engineering	Meeting Not conducted

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Electronics and Telecommunication	17/03/2018
Instrumentation & Control	Not Reported to the Senate
Mechanical Engineering	2/03/2018
Metallurgy & Materials Science	17/03/2018
Production Engineering and Materials Science	03/03/2018

I. Prof. Bhosale-HoD, Civil Engg. presented the syllabi for Final year B. Tech. His presentation seemed to have complied with the Senate approved structure, however, Dean-Academics suggested removing the ILOE on "Human Resource Management" from the proposed list since it falls into the Management class and not the Engineering/Technology domain. With regards to the number of open electives and department-level electives to be offered to the UG and PG students, and thus size of the batch of students per elective etc., Dean-QA, Prof. R.R. Joshi opened up the deliberations.

Director suggested that the number of electives offered to both UG/ PG students should be finalized considering availability of the resources like faculty, Classrooms etc. Dean Academics added that the batch size of min. 20 and max. 80 have already been practiced at UG for ILOE, which is followed in spirit, whereas, for three departmental electives, the number per elective should be 20 minimum. Also for two electives PG, the size per elective could be 9 per elective. The number thus decided is only a guideline for all departments and may vary in few on case to case. Director further suggested that in case the number of students opting for a particular open elective is very low, then, instead of engaging the resources, students may be encouraged to take the MOOC courses and grades can be given accordingly.

Deputy Director-Prof. B. N. Chaudhari added that since education is shifting towards the flexibility of learners, students should not be deprived of gaining the knowledge of a particular domain just because of the scarcity of the resources. In such cases where the department is facing severe faculty crunch, the respective departments should invite external experts for the respective open elective course. He said for any elective course, the batch should comprise of 20-25 % of students for the UG program and 30 % for PG level. Prof. Agashe suggested having some scientific study for the issue by analyzing department-wide data for ILOEs and Department level electives. Prof. Dambhare added that before offering the electives, department must look at and consider domain-wise faculty competencies.

When insisted by Prof. Joshi, on having a definite number as a guideline, Director suggested to have minimum 3 and maximum 5 department level elective courses for
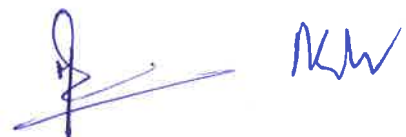
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UG students and maximum 3 courses to be offered for PG students. However these numbers are subjected to the convenience & requirements of the department, aspirations of the learners, availability of resources like faculty, classrooms etc. HODs can always discuss the issue with Dean Academics and take the final call.

II. Dr. Mrs. Vandana Inamdar, Head-Computer Engineering and Information Technology, neatly presented the syllabi and open/department level electives offered by the dept, with the information that for these electives, certain specialized domain verticals have been identified and followed, also in every such chain, the concept of prerequisite has been mentioned. She further shared with the Senate that the department faculty, Prof. Abhijeet was recognized and awarded by M/S Impartus for having his video recorded lectures viewed maximally by the students, and receiving appreciation. Director took the opportunity to congratulate Prof. Abhijeet and also appealed the faculty (who have not yet volunteered for this activity) to come forward for recording their lectures which will be made available on intranet/ internet and also on nation-wide upcoming platforms like Swayam. He also declared that AICTE and other regulatory bodies have permitted the department for closure of the IT program, with 60 intake and increase in the intake of Computer Engineering program to 120, from the upcoming academic year 2018-19.

While studying the course outcomes (COs), as articulated for every course in the curriculum, Dean-Academics emphasized on avoiding (as per the NBA guidelines), verbs like "Understand", "Know", "Gain knowledge" etc. , since such COs would not be measurable, rather would indicate perception.

III. Prof. Chaudhari, made the presentation on behalf of Dr. Talange, Head, Department of Electrical Engineering.
He mentioned that department will be offering two open electives viz; Controls System and Electrical Installation. He also added that the department is open to offer any particular course as open elective if required or demanded by other department.
He also emphasized that the department is encouraging the students to get more of industrial exposure and hands on experience by offering two choices to the students as follows.
   a. The student may either go for an industry internship in Sem-VIII (whereas two of the electives and project gets clubbed in Sem VII)
   b. In Sem-VIII, the student may opt for regular courses in the department itself

He also added that not more than 40% of the batch strength will be allowed for the industry internship. The selection criteria will be decided at the department level.

Director suggested that the Open elective "Electrical Installation" offered by the department, seems to be bit late to be offered at B.Tech. level, for students of other branches and the department should therefore give a rethought before freezing it.

Since the department did not conduct their DUPC meeting to finalize their syllabi, the Senate decided to withhold the approval for this presentation and asked the department to get the syllabi approved by the DUPC at earliest and again present in the next Senate for approval.

Dean Academics also expressed his deep concern on the senior faculty reaming absent for Senate without prior intimation. Deputy Director added that the Professors, Associate Professors and Professor Emeritus and other senior faculty must attend the Senate, and prior intimation, with granted leave of absence, be made to the respective authorities.

IV. Dr. R. A. Patil made the presentation on behalf of Dr. P. P. Rege, Head, Department of Electronics and Communication Engineering. Upon sharing his list of ILOEs, which mentioned the offer of one of the ILOEs, "Machine Learning" for the students of other department as well as the parent department, various members responded negatively on his appeal. Prof. Chaudhari added that such practice is adverse to the philosophy of open electives being followed on campus, post autonomy. After due deliberations, the Senate denied saying that the open electives are offered by a particular department for the students of other branches to give them the surface level flavor of the respective subject or domain and doing so will deprive the students of other branches from the opportunity of gaining the knowledge of new subject/ domain. It should therefore be not offered to the students of the same department which is offering the course.
Director suggested that the with maximum batch size for an ILOE is 80, in case there are less number of students from other branches opting for the said elective, the students from the parent department may be permitted for opting the course. However, priority will always be given to students of other branches

V. Dr. Sewatkar, Head of Mechanical Engg. department presented the syllabi finalized by the DUPC members of the Department of Mechanical Engineering. He was suggested to add few more and latest reference books, in the syllabi of certain courses.

VI. Dr. Dhokey, Head, Department of Metallurgy and Materials Science during his presentation mentioned that they have already included MOOC course/s which will gradually be offered as blended MOOCs. He was pointed out towards inclusion of LLC at Sem-VII, and refinement of COs.

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VII. Dr. Rajeev, Department of Production Engineering and Industrial Management concluded the morning session with his presentation. He was instructed to remove the ILOE on "Corporate Leadership" from the list of ILOEs, it being a Management oriented course, instead of Engg./Technology.

Resolution R-43-03:

a. The Senate, unanimously APPROVED the Curriculum Structure and Detailed Syllabi of Final Year B.Tech, for the Departments viz. Civil, Computer & IT, E & TC, Mechanical, Metallurgy & Material Sciences, Production and I.M. with an instruction on complying with suggestions made by the Director, Deputy Director, Dean Academics and other members on refinement of COs, deletion of some ILOEs, minimum number of the Open/departmental electives to be offered and the number of students required per elective for offering the said courses.

b. The Senate withheld the APPROVALS of Final B.Tech Curricula for Departments of Electrical Engg. and Instrumentation & Control for mandate of conduct of respective DUPC meetings.

The meeting was adjourned for the lunch break.

Sen-43-04: IIIT, Pune: TY B.Tech Detailed Syllabi (Cursory) Presentations by Respective Heads.

The Heads of the Departments of Computer Engineering and Electronics & Communication, IIIT Pune presented the TY B. Tech Detailed Syllabi, for the batch entering into the Third Year in AY 2018-19. They were suggested to present the TOTAL (First year to Final Year) structures to review the sequence of courses and their intra-dependency. Director further suggested to interact with faculty teams from E &TC and Computer & IT departments of COEP towards refinement of the structure and detailed syllabi.

Resolution R-43-04: The Senate, unanimously approved the TY B.Tech Syllabi of IIIT Pune with certain minor corrections as suggested by faculty experts from E & TC and Computer/IT departments of COEP.

Sen-43-05: New (Changed) PhD Rules and Regulations, released by SPPU w.e.f. Jan. 2018: Presentation by PhD Coordinator and Dean-Academics

Dean Academics informed the house that, in the latest round of PhD admissions (as per

SPPU schedule), conducted in December-2017, COEP is the prime most choice of the students for not only the UG and PG programs but also for PhD programs, as obvious from the number of admitted PhD scholars. COEP has already started the practice of conducting induction session (orientation program) for Ph. D Scholars where the scholars are made aware of all rules/regulations and quality research outcomes. Concerning about the less no. of Full time Ph. D scholars at COEP, he added that measures are being taken to increase the count of full time PhD scholars. Students, during the induction program, are apprised of the availability of stipend/ sponsorship through various sources like TEQIP/ industry CSR etc. About 28 students (8 students-old admissions) students have been shortlisted as full time PhD scholars with scholarship through TEQIP-III, CoE-SRES and CoE-S&IP. He further commented that increase in the count of fulltime candidates will enable us to change the research culture at COEP.

Dr. Shailaja Kurode, PhD Coordinator presented before the Senate, the revised PhD rules and regulations, issued by the Savitribai Phule Pune University (mentioned in Appendix-2, which will be circulated to all through email soon)

o Discussing on the formulation of Research Advisory Committee (RAC), one of the senate members, Dr. Butee, raised a query, if all the members of RAC should be SPPU approved guide. Dr. Kurode replied that such there are no such clear guidelines from SPPU on the said query, as of now we will be mandating to have all the RAC members with PhD qualifications, irrespective of their recognition as PhD Guide from SPPU.

o Addressing to the issue regarding the PhD students who are admitted before and have completed their course work but are yet to complete their registration, Dr. Kurode said that these new rules will be applicable for all the students who are currently pursuing their PhD at COEP irrespective of their date of admission. She added that as per the new rules the date of presentation will be considered as the date of admission of the candidate.

o Adding to it, Director said that during the presentation itself the RAC committee should suggest the domain specific courses to be offered to the PhD scholar, considering the his/her research area/topic.

o Few members also suggested to have Mathematics as one of the mandatory subject as far as possible. Dean Academics recommended to have the Program Specific Maths course (PSMC) at PG programs, to offered to PhD scholars as on e of their courses.

o Dr. Kurode also suggested to have a course on Professional Communication for the

PhD students which will help them in polishing their writing skills, report making etc. However, the senate said that this should not be made mandatory, rather should be left to the department to decide.

o Addressing to the concern voiced up by Prof. Birajdar regarding less no. of PhD full time candidates, Director replied as follows:

    ✓ As COEP is not a university and has to abide by the rules and regulations of SPPU/UGC (unlike the IITs, Deemed Universities), we have to depend on the University for candidates, approval for guide recognition etc. Also the number of candidates allotted under each guide is as per the UGC regulations and guidelines(which will not be the case, once the institute gets the Deemed University status).

    ✓ AICTE has announced a Full Time PhD program on the lines of MHRD-QIP, but for fresh scholars (Non-teachers) with fellowship support for 4-5 candidates per year, however, we have to still comply with the process as mandated by SPPU and UGC. MHRD-QIP every year permits for one full time candidate per year per department.

    ✓ Industries are ready to sponsor the PhD candidates who will be working on their problem statements, and therefore the departments should approach industries with appropriate proposals.

    ✓ Currently the total no. of student pursuing Ph. D is 377 out of which only 37 candidates are doing full time Ph. D at the institute and 28 more candidates will be shortly added to the count.

o Dean Academics informed that considering the new Gazette notification issued by UGC in February-2018, for autonomous institutes, COEP will be able to conduct our own PhD admission rounds. However we are yet to send the proposal for the same to the concerned SPPU authorities. Also we are yet to confirm if guide recognition will be under our purview or the university.

o Dr. Chaudhari said since its complete empowerment we assume that approval of guideship must be under the purview of the institute, however the autonomous institutes need to only inform the University.

<u>Resolution R-43-05:</u> The Senate noted all the points presented and discussed by Dr. Kurode, Dean Academics, Deputy Director and Director. The Senate further decided to immediately initiate the communication with SPPU with regards to establishment of COEP's Autonomous PhD Program as per UGC gazette notification dated 12th February 2018 for Autonomous Institutions.

Sen-43-06: **Progression of Management Information System (MIS) at COEP, Post Autonomy: by Deputy Director.**

- Dr. Chaudhari made a brief presentation as to how the institute has implemented the MIS post autonomy with the help of external agencies, in house faculty/ staff and described its progression. An examination Results Management System was conceived and deployed with the association of an IT firm M/S Synthesys Solutions Ltd in initial days of autonomous campus, and the task was later handed over for further in-house developments to another firm 'ITcube'. The ITCube team tried to render better professional features in terms of Students' registrations, Marks entry and Grading Course and teacher feedback, with friendly GUI for the end users (faculty and students). This MIS with all its source code was gradually taken over by the faculty of Computer and IT, COEP, Dr. S.U. Ghumbre, in year 2014-15. Dr. Ghumbre along with his team of Engineers managed the MIS functionally in a systematic manner, and tried to add the features such operations from anywhere, anytime and ant device. However, in year 2016, when he left the institute for better prospects, Prof. Jibi Abraham and Dr. Mrs. Haribhakta stepped in to take the charge of the MIS and its team (which by the time, was not in a position to support the MIS with positive intentions, pertaining to various issues related to their salaries and therefore couldn't gel well with the institute further). Since January-2018, a new team from Synthesys Solutions is currently handling the MIS, when a service order was awarded to them through proper tendering process.

- Dr. Chaudhari took the opportunity to thank all the faculty advisors, and the entire team of Exam cell who completed the student's registration process for the current semester and Dr. Nagesh Chougule from Mechanical Engineering for helping in the compilation of ILOE allotment.

- Dr. Chaudhari further said that there is no product/ software currently available in the market for implementing a truly flexible Choice Based Credit System and since it's a very sensitive system we will either have to wisely select a proper vendor for developing and managing the system as per our requirement or create our own system which will be robust and secure. He therefore appealed the faculty with the domain expertise to voluntarily participate in the process of MIS Design, Development and maintenance.

- Addressing to few other issues related to MIS raised by members, Dr. S.D. Kulkarni and Dr. Shendge, Dr. Chaudhari said that any finance related issues, attached to the MIS, can be discussed with Director, Deputy Director in person or on some other forum such as weekly Deans/Hods meetings so that Senate can adhere to the academic issues and relevant agenda items. Director assured an early meeting with Dr. Kulkarni and Dr. Shendge in this regard, in near future.

Resolution R-43-06: The Senate, while paying sincere attention to the detailed informative narration on MIS by Prof. Chaudhari, decided to reflect on the other debatable MIS related concerns raised by Dr. Shendge and Dr. S.D. Kulkarni in immediate next Deans'/HoDs' meeting.

Sen-43-07: Some Important Updates:

a. **Information on Status of Honors/Minor Courses at TY B. Tech**

o Dean Academics presented the department wise number of TY students who successfully transited to second course in Sem-VI in both the Honors and Minor sequence of courses. He mentioned that a total 155 students were found eligible to continue with Honor Courses and 131 with Minor courses. He said, although the number of UG students opting for the courses offered by Metallurgy (Nanotechnology and Powder Metallurgy) and Mechanical Engineering (Advance machine Design) is low, the students were permitted as they will be sitting in the PG classes, and thus no separate faculty will be engaged for these UG students.

o Expressing their concern towards students not opting for any of the Honors courses offered by Electrical and E&TC department, Dr. Sutaone and Dr. Chaudhari said the respective departments need to introspect.

b. **Information on MOOC Enrollments at TY B.Tech**

o Dr. Mahesh Shindikar, who has been appointed as the institute level MOOC coordinator, presented the department wise enrollment data of all the MOOC courses for which the TY-Sem-VI students.. He also presented the number of QEEE online courses opted by the students along with the online resources available for the institute.

o He discussed some of the institute's plans for current semester and forthcoming semester for enabling more number of students taking up MOOC courses.

o Dean Academics added that the registration fees paid by the students for taking up the MOOC courses, with examination, will be reimbursed from support by TEQIP III program.

o Director suggested the faculty to get onto the Swayam Platform, a wide spectrum online learning platform, being developed and propagated by AICTE.

c. **Proposals on ILOEs by Alumni**

Dr. Rathod, Dean Alumni and International Affair, presented following two proposals.

o **Proposal 1-** A Japanese company (AsiaToJapan) whose is targeting to employ

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Asian students in Japan has proposed to float a course (as already offered by them in SPPU and IIT Madras) free of cost, after the college hours (after 5 pm) for two hours, using only the college infrastructure.

o After completion of the course duration these students will also be taken to Japan for interview with no cost to the student or institute. However the only pre-condition is that these students will not be exposed to any other Japanese company coming in the college campus for placement.

o The members reacted that the students should be made aware of this precondition before permitting the company to conduct such course.

o Dean Academics shared information on the proposals received from various eminent persons, who are either alumni of COEP or acclaimed professionals in their field and now wish to offer some courses to COEP students. The list includes course on Aeronautical Engg., Doing Business in India, Block Chain Technology, Digital Currency, IoT, etc. The members approved these proposals, with the remark that the respective experts be invited as adjunct/visiting faculty to deliver the courses as electives as per needs/aspirations of the learners across departments.

d. Draft Proposals by Senate Sub-committees constituted for

i. Examination Reforms

o Dean Academics presented a draft proposal on Examination Reforms, to be implemented in sync with next iteration of Curriculum revision i.e. w.e.f. AY 2019-20. While describing the strength of prevalent practices on Students evaluation, on campus, he wisely brought out certain serious limitations of the same. He strongly advocated to rethink on some of the previously conceived novel concepts such as "No Year Down", Re-exam and Summer term, CGPA based credit allotment during semester transition, Pro-rata marks for absentees in T1/T2, to name a few. He further said that Its high time therefore that the Institute should reframe the examination schemes/practices with due consideration to class of the low performers termed as academically weaker students, who are unable to clear the exams despite regular exam, re-exam and summer term, appearing for the re-exams, summer terms etc.) and are left behind lingering and wasting years of their life, not able to cope up and building up financial burdens for their parents.

o Since the cases are more at the entry level i.e. First year and Direct Second Year admissions, the new proposal suggests to introduce a "Year Down" concept which typically exists in University examination systems. The concept can be gracefully named as "Slow Learner Track" (SLT), where any FY student will have to clear 70% of his/ her credits from all his/her three examination attempts (Regular, Re exam, summer exam) failing to which the student will not be allowed to take additional

credits from SY and will be put on SLT. While being on SLT, the students will be allowed to attend the regular FY classes with minimal fees (to be decided on approval of the draft). Such SLT students be graded one grade lower in re-exam and with max. DD grade, he added.

o He further added that with regards to the detention of students failing to have 75 % attendance, respective departments/course teachers should take the decision on relaxation of the criterion, as they are closely associated with the students and can thus better decide. Also the faculty can have a few marks (out of the total T1/ T2 marks) given based on the attendance of the students. However the senate members insisted on having the decision of detention of the students made by a single person. Considering the gravity of the proposal, and enthusiastic participation of the members in this discussion, it was suggested by the Director that the presentation on the proposal be shared with all faculty of COEP, inviting their inputs, feedback, suggestions, compile all and again present the modified proposal in next Senate meeting.

o Senate also reported few instances where the T1/ T2 examinations are not conducted as per the schedule given centrally, which are causing further operational problems. Dean Academics appealed the Heads to report the names of such faculty who are not conducting T1/ T2 exams in the given slot. He said the pattern of conducting the T1/ T2 may be decided by the respective faculty but the faculty will have to strictly follow the slot given for conducting the exams, failing which the faculty will have to face disciplinary actions.

o Dr. Chaudhari presented the year wise and department wise count of the weaker students who were unable to cope up with their exams/ studies, thus burdened with many backlogs, are not able to get placed, thus getting depressed and are lingering in the college for years. He appreciated this draft examination reforms presented by Dean Academics and said that it is really very timely to rethink on this most crucial aspect of teaching learning process.. He aptly described the failures as academic accidents throughout the years post autonomy, and appealed all to go through the draft and give their feedbacks and inputs to Dean Academics, in order to bring out a concrete set of examination reforms soon.

e. Appreciation of Most Vigilant Invigilators

o Dr. Vahida Attar, Controller of Examination said that the case of cheating, copying during the examinations are rapidly growing. The students are using the electronic gadgets as the most inappropriate tool and deceiving tool such mal practices during the exams. The responsibility of the invigilators has therefore further increased for preventing such cases and bringing it to the notice of the

disciplinary committee.

- o Mrs. Manish Kulthe (Metallurgy dept.), Ms. Piyusha Hirpurkar (Civil dept.) and Dr. Mrs. Kavishwar (Mathematics dept.) were recognized and appreciated in the Senate for being the most vigilant invigilators consistently for series of consecutive semesters.

Resolution R-43-07:

a. The Senate noted the updates on Honors/Minor courses related information, also that on TY MOOC enrollment. All the members joined hands in appreciating the most vigilant invigilators consistently in bringing out the copy cases towards legitimate disciplinary action.

b. The Senate approved the various proposals on domain specific courses to be offered as electives, by expert alumni and/or acclaimed professionals as and when aspired by the learners and the respective departments.

c. The Senate while appreciating the draft proposal on Examination reforms, presented by Dean Academics, decided to share the same with all faculty members ob COEP on e-mail, inviting their inputs and suggestions towards freezing on new examination practices in synch with forthcoming iteration of curriculum revision.

Dean Academics, Prof. Sutaone thanked the Chair, Prof. Ahuja and all the respected members for attending the day-long meeting, whole-hearted participation and declared conclusion of the same.

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