

## PEDAGOGY AND CREDIT SYSTEM FOR QUALITY IMPROVEMENT : A CASE STUDY IN HIGHER EDUCATION

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### *Abstract*

*There is wide spread acknowledgement that various activities in credit system can be use to enhance the innovative practices for teaching and learning, it is great potential to transform the knowledge in which the teacher teach and the student learn. Various activities of teaching and learning provide good opportunities in terms of the learning efficiency and quality. But the success of implementing the new curriculum with credit and semester system base in education system depends greatly upon the attitudes of the teachers and the willingness to embrace such activities and knowledge and skills.*

**Keywords:** pedagogy, Credit system, Quality improvement, higher education

### **Introduction**

It is a now a common occurrence to describe the students by traditional teaching in class room as being little motivated and as having great interest in passing but not in actually learning. There is wide spread acknowledgement that various assessment can be use to enhance the best practices for teaching and learning it is great potential to transform the knowledge in which the teacher teach and the student learn. Various activities of teaching and learning provide good opportunities in terms of the learning efficiency and quality. It is also provide opportunities for interactively flexibility and accessibility for engaging teaching and learning at the individual or group.

Savitribai Phule Pune University has scenario others a new framework which related to interaction between teachers and students. The credit system at the post-graduate level in Savitribai Phule Pune University implemented the credit and semester system (CSS) in all affiliated collages and recognized institution where post graduate courses are conducted since from the academic year 2013-2014

Therefore roles of teacher and students might differ significantly as the students would be obliged to request teacher guidance in order to acquire not only knowledge, which could be easily available on books and internet, but also personal skills and especially, those related with to their future career.

**Assessment Rule:** Assessment shall consist of a) in-semester continuous assessment and b) end-semester assessment. Both shall have an equal weight age of each (50% credit on each course). End-semester assessment conducted by university authority on the entire syllabus and for in-semester assessment (50% credit), the teacher shall announce the units for which each in semester assessment will take place. Teacher must select a variety of innovative practices for teaching and learning and assessment of students in (CSS) viz. midterm test, seminar presentation, home assignment surprise test, open book test, group discussion, mini research project, review of research paper etc. University / College authority expected that 20% credit in-semester shall be assess by two written test examination and for 30% (in-semester credit) shall be assess by three various activities.

A course any subject in a semester has for 5 credits in faculty of science, Engineering. Pharmacy, Management and Technology and total credit for P.G. degree is 100 and a course in a semester has for 4 credits in faculty of Arts, Fine arts, Social science, Commerce, Education, Physical education and Low with total credit P .G. degree is 64. One credit will be equivalent to 15 clock hours of teacher student’s contact per semester. If any student is interested to obtain some credit from other department subject, then student shall be go to other department and meet and request to consult teacher about credit. If teacher form other department will ready and allow to teach the student then students attained 15 clock-hours (interaction) for one credit with consult teacher’s form other department. But this is a complicated process because teacher form other department will not be ready for to teach and assist the students from other faculty or department because in each department work load of each teachers is increased due to credit system. But among the total number of credit to completed for post graduate degree course students have to obtain for minimum 75% credit from its parent department and remaining 25% can be obtain form either parent department or other department /centers/faculty.

The various activities take more time of teachers and students, for example: in Art faculty any teacher has to take seminar for 10 marks (0.5 credits) for one course. There are 60 students in the class and suppose each takes 20 minutes minimum for giving seminar then total time for assessment will be 20 hours. It is same for group discussion and some other activities.

Position of Affiliated Colleges and Institutions in Pune University

Table No. 1

Title: Distribution of faculties according to districts

Type of faculty	Pune university campus	Pune District	Nager District	Nashik District	Silvasa	Total
P.G. Dept.	54					54
Art/science/commerce		200	74	85	1	360
Low College		15	4	4	-	23
Engineering		83	13	18	-	114
Architecture		14	2	4	-	20
Education and physical education		64	26	23	1	114
pharmacy		33	8	15	1	57
Management institute		215	27	32	1	275
Research institute		103	6	12	-	121
Other management research institute						20
Autonomous college/institute		5				5
<b>Total</b>						<b>1163</b>

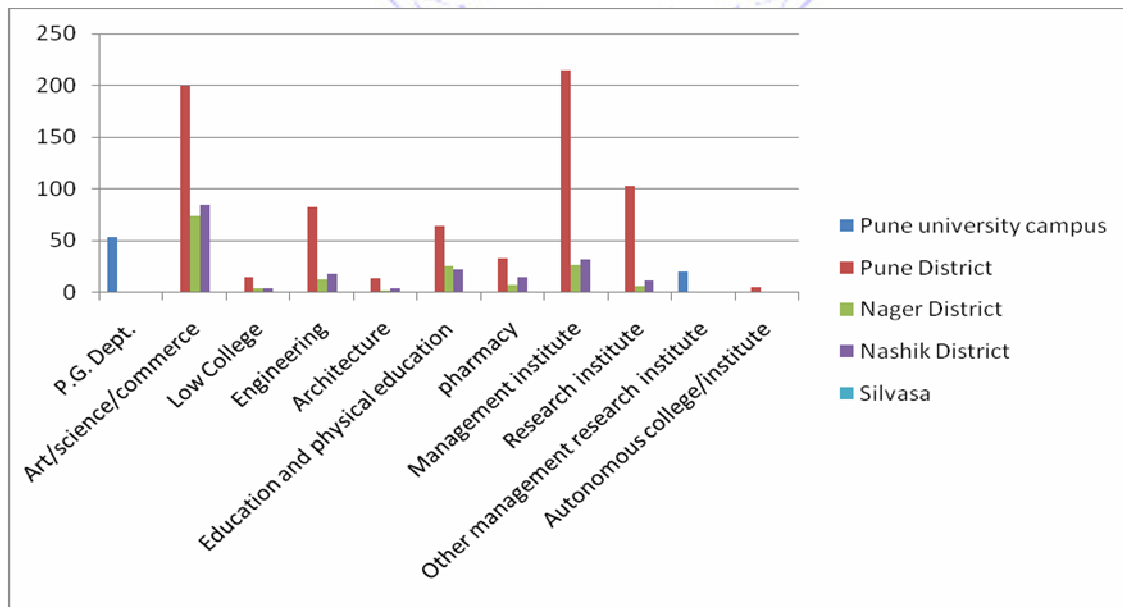


Figure 1: Graphical representation of faculties according to districts

**Interpretation and Analysis:** In Savitribai Phule Pune University only P.G. departments from campus are aided and very few number of P.G. departments from affiliated colleges and institutes are aided, but maximum number (above 95%) of P.G. department are non-aided. Salary of teachers and other expenditure depend on tuition fees of the students. The collection of tuition fees and expenditure amount are significantly different. For example: in science department intake capacity is 24 students in each year (first and second year M.Sc. Class), the total 48 students are admitted in each department. Tuition fees and other fees are approximate is 25000 and total collection in each department is  $25 \times 48 = 12,00,000$  /- Rs. But according to UGC rule minimum 4 teachers required for teaching in P.G. department. Now a days starting salary of assistant teacher will be minimum 45,000 /-. Total minimum salary expenditure per year per department is Rs.21,60,000 /-. In some colleges have above 20 P. G. departments are non-aided; in an average 5 P. G. departments are non-aided in each college. Due to significant different between collection and expenditure maximum colleges/institutes does not appointed regular and full-time P. G. teachers. Those teachers are working in non-aided in P. G. department their attitude is not positive because its work load is increased. This is affected to credit based teaching and learning processes at P. G. level in Savitribai Phule Pune University.

### Conclusion:

The result shows that the evaluation of credit system has many advantages a) it allows learning new practice of assessment d) Greater involvement in various activities and students motivation. c) It facilitates the acquisition of self study. It also some drawbacks such as increase workload for the teacher and students.

The most important conclusion we have reached is that continue assessment is a very appropriate means to achieve the competencies required by the degree and it develops and dynamic process of teaching and learning to improve academic performance and teachers and students motivation.

Students feedback shows that they are highly engaged in the in the teaching lesson and feel more interested in various activities organized for credit system by teacher. Teachers can also make use of strategy for designing other meaningful activities to motivate their student to obtain credit from other subjects.



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