

ARMY INSTITUTE OF TECHNOLOGY

PUNE 411015

Minutes of IQAC meeting

Date: 16 Feb. 2019

Place: Conference Hall

Time: 1430 hrs-1700hrs

Agenda Points

- 1) Discussion on progress achieved as per set bench marks.
- 2) Other points from the members

The IQAC was re-constituted and the new members are:

1.	Brig.(Retd.) Abhay A. Bhat	AAB	Chairperson (Director)
2.	Prof. Dr BP Patil	BPP	Member (Principal)
3.	Col K E Vijayan	JD	Member (Management Rep)
4.	Prof. Dr Anju Kulkarni	AK	Member (External expert, Dean R&D DYPatil COE, Pimpri)
5.	Prof Dr SA Jain	SAJ	Member (External expert, HOD COMP, MAE, Alandi)
6.	Mr Girish Palshikar	GP	Member (External expert Principal Scientist, TCS Res. and Innov.)
7.	Lt. Col. Rohit Tewari	RT	Member (Parent Representative)
8.	Prof. Dr Sunil Dhore	SD	Member (HOD COMP)
9.	Prof. Dr Sangeeta Jadhav	SJ	Member (HOD IT)
10.	Prof. Dr Sanjiv M Sangiri	SMS	Member (HOD Mech)
11.	Prof. Dr GR Patil	GRP	Member (HOD ETC)
12.	Prof. Dr. Swati Kulkarni	SAK	Member (HOD ASGE)
13.	Prof. Dr Sujata Marathe	SM	NAAC Coordinator AIT
13.	Prof Manoj Khaladkar	MK	Member (TPO)
14.	Mr RP Ambike	RPA	Member (Registrar)
15.	Mr Abhijeet Deogirikar	AD	Member (Alumni Representative)
16.	Mr Manish Kumar	MK	Student Representative
17.	Mr Ambuj Tripathi	AT	Student Representative

The NAAC coordinator welcomed the members and the meeting started at 1430 hrs.

The following members could not make it to the meeting:

- a) Prof. Dr GR Patil, he was represented by Prof. D G Auradkar
- b) Mr Abhijeet Deogirikar

Agenda Point1

Progress as per benchmark

Discussion took place on progress achieved since the last IQAC meeting held on 10 March 2018, as per set benchmarks. Benchmarks were quantified and revised internally before the meeting.

1) Consistently Good Results

> 97% All clear at Final year and 98% First class and above

Less than 5% ATKT from FE to TE

One University rank/dept./year

Progress – First year to final year results for the academic year 2017-18 were presented. Mr GP asked whether it would be more appropriate to take SPPU result for benchmarking. Principal Dr BPP explained that SPPU results are far below AIT results and other good colleges like COEP are autonomous so it is difficult to compare with their results. Dr SM informed that the present bench mark has been arrived at based on incremental increase over previous benchmark. Dr SM informed that in case of first year result the result in Engineering Chemistry was not good and hence preliminary examination was introduced in order to prepare students better for the theory examination. This semester result showed improvement in Chemistry however the result in Engineering Graphics which was previously good has fallen. Mr MK said that this subject more practice sessions and probably tutorial needs to be arranged to improve result. Dr SM said that 4 years ago an extra lecture over and above that stipulated by SPPU has been introduced in the timetable as a measure to improve result in Graphics. Dr SAK said that, next academic session possibility of converting this one hour extra lecture into a tutorial session of one hour with three batches may be considered.

Dr SAJ suggested that the slow and fast learners could be identified immediately after admission as per the guidelines given by NAAC. The teachers can then conduct extra lectures for the slow learners “zero hour lectures” from the beginning. Dr SAK said that test in programming and English is taken immediately after admission. Similar test in other subjects could also be taken during the orientation program.

Regarding the results Mr GP commented that the process variation was too high with too many failures in few subjects. He enquired whether the attendance of students was found to be linked with results and students having less attendance performing poorly in the examinations. HODs responded that attendance does affect the performance of average students. Mr GP suggested that assignment should be given to students who have missed the class based on the syllabus covered in that class. He also said that final year students could take extra classes for SE students. Mr MK, student representative said that he takes classes on Machine learning and AI for junior students. Dr SMS said that extra classes by ME students could be arranged similarly.

Dr SAJ said that in their college MOODLE based progressive assessment is used as this brings transparency and responsibility in the students. Mr GP said that attendance and performance of students in fundamental subjects is very important as tools can be taught by industry. Lt Col Tewari asked whether awareness regarding importance of fundamental subjects is created by teachers. Director pointed out that feedback from industry regarding student performance in fundamental subjects is given by TPO to HODs and faculty. Dr SJ said that importance of fundamental subjects is stressed to students however many realize this little late. This is also the reason that the number of students clearing GATE is relatively less.

2) Placements benchmark

> 95% with 60% in high end companies

Placement data for the batch of 2017-18 was presented and observed that average placement was 92% with 75% in high end companies. TPO remarked that the shortfall in meeting the 95% benchmark in placements was due to some students disinclined to appear for placement interviews as they are preparing for GATE, GRE, CDS etc. Mr GP said that instead of 95% placement benchmark the college could revise this to 80 % placement and 15% higher studies. He stressed the importance of higher studies and said college should motivate the students for higher studies. Mr AT, student rep. said that less students go for higher studies as there is less research culture Mr DGA said that the students here stay away from parents and spend more time in hostels and are highly influenced by peer pressure. Thus the culture in hostels also needs to change towards preparation for higher studies and not just preparing for placements. Dr SJ said that most of our students take admission on loans etc and therefore plan to work for a couple of years before pursuing higher studies. Parent rep. Lt Col RT asked whether a survey had been conducted to find out how many students want to go for higher education. Director replied that such a survey had been done last year and only 4% students indicated their interest in going for higher education. Mr GP said that a gradual change in research culture could be started by creating a research center of excellence. Mr MK said that a Student Interest Group – SIG on machine learning and artificial intelligence has been started and their projects are uploaded on GitHub.

3) Motivate students for higher studies and entrepreneurship

Conduct one workshop/seminar, > 5% students enrolling for higher studies

Progress: It was observed that required number of seminars were held to motivate students for higher studies, however the percentage of students actually enrolled for higher studies was less than 5%.

4) Value added courses, MOOC

One per student by Third year

Progress: It was observed that more than 92% students had done a MOOC or value added course by third year. In IT department all students had done 2 NPTEL courses by final year.

5) Promote extra and co-curricular activities

CCCBAS: B grade average by Third year

8-10 prize winners in national level technical competitions

One start up per department

Progress: CCCBAS average grade of final year students was found to be above B grade in more than 70 % students, which is satisfactory. Each department had 6 to 8 prize winners in national

level technical competitions. One startup each from Computer and IT students was started – “Poster lelo” by Shubham Verma from Computers and “TRS Systems by Prabhat Sharma from IT department.

6) ICT

50% of instruction

Progress: Status of existing e-learning facilities was presented. Dr Sujata Marathe said that teachers are using ICT tools like MOODLE and power point presentations in addition to chalk and board. Mr GP suggested that from third year onwards each student should be asked to create a GitHub and LinkedIn accounts as part of e-learning.

7) Infrastructure up gradation

Continuous

Progress: Details of various infrastructure up gradation works carried out in the last year was presented.

8) Green Environment Initiatives

one per year

Progress: Tree plantation drive was conducted with 2500 saplings being planted.

9) Promotion of Research and consultancy culture

Faculty with PhD – 20%

Research papers in journals – each year to be equal to number of faculty members in department.

Patents – one / Dept./ year

Consultancy- Rs 1 lakh / Dept./ year

Progress: College now has 21% faculty with PhD degree. However, the benchmarks for number of research papers published and consultancy generated are not met. Mr GP advised the faculty to stay away from predatory journals. Principal replied that faculty has been told to publish only in Scopus indexed papers, however students may publish in non Scopus indexed journals. Mr GP enquired about the student chapters present and recommended that ACM chapter should be started in Computer department.

Data regarding ongoing and completed R&D projects was presented. Director asked HODs to prepare an action plan in IT/COMP and MECH departments.

10) Industry Institute Interaction

One Industry sponsored lab./ Dept.

Progress: All departments have at least one industry sponsored lab.

11) Outreach Activities

01 NSS Camp, 02 visits to orphanage, 02 Blood donation camps, 01 visit to paraplegic ward, 02 Awareness activities

Progress: The NSS activities conducted were presented and observed that a very large number of outreach activities including a cycling expedition from Pune to Goa on occasion of AIT silver jubilee year has been conducted.

12) Feedback from stakeholders

Student feedback- less than 5% Faculty to have feedback less than 7.0 out of 10

Parent feedback – should be greater than 80%

Administrative feedback – Dissatisfaction level to be less than 20%

Progress: A summary of student feedback for Sem. I 2018 – 19 was presented. It was found that in ASGE, E&TC and Mechanical departments the percentage of faculty with feedback less than 7 out of 10 was between 6 to 9.5 %. The format for taking the student feedback had been revised in Sem 1 2018-19. Director said that in the revised format it may not be easy for all teachers to score a feedback greater than 7 out of 10, hence; the benchmark could be revised to less than 10% faculty scoring feedback less than 7 out of 10. Parent Lt Col RT asked how the feedback is taken. Dr SM informed him feedback is taken online using the ERP system. Director asked the student representative why the number of students giving feedback is low and students need to be reminded many times to give the feedback. Mr MK said that students want an online suggestion portal to give feedback and suggestions. Director asked Mr MK as President of student body to develop a suitable methodology for collecting and putting up suggestions and complaints through channel to higher authorities.

The administrative and parent feedback for Sem II 2017-18 met the set benchmarks.

Agenda Point 2: Any other points from members-

Parent rep. Lt Col RT said that a more open culture in academics could be brought. Specifically, there should be bonhomie between students and teachers. Students also struggle to complete submissions at term end. Director pointed out that only students who are not regular are the ones who struggle to complete their work at term end. This was corroborated by Mr MK, student rep.

The meeting ended with NAAC coordinator thanking the members. The meeting concluded at 1700 hrs.