



Date: 08/12/2021

Minutes of NAAC- IQAC Committee Meeting held on 10th November 2021 at 11:00 am through zoom online platform

Purpose of the meeting: To approve previous IQAC minutes of the meeting held on 31st July 2021 and discuss the initiatives taken during the first quarter (July to September 2021) and the quality initiatives to be taken in the second quarter (October to December 2021).

Agenda:

The agenda of the meeting is to discuss the quality initiatives based on the following NAAC criteria:

1. To discuss the Curricular Aspects of the Academic programs and suggest improvements.
2. To discuss the innovative processes adopted by the institution in Teaching, Learning and Evaluation.
3. To discuss the initiatives taken to sensitize/promote Research climate in the Institution.
4. To discuss the increase in infrastructure facilities and library facilities as Learning Resources.
5. To discuss Student Support services and its progression offered by the college.
6. To discuss improvement strategies adopted by the Institution for Academic and Infrastructure developments (Governance, Leadership and Management)
7. To discuss the innovations introduced during this academic year which have created a positive impact on the functioning of the Institution.
8. To discuss the action taken by the departments on the actionable points identified in the previous meeting.
9. To discuss strategies for implementing future plans of action for the year 2020-21.
10. Any other point with permission of the chair.

The following dignitaries were present for the meeting:

Sr. No	Name of External members	Designation
1.	Mr. Sharad Tiwari	Associate consultant, TCS
2.	Dr.RadhaShrinivas	IQAC Coordinator, University of Mumbai
3.	Dr. S. M. Ganechari	Principal-TPoly
4.	Mr. Neeraj Yadav	Alumni

Sr. No	Name of Internal members	Designation
1.	Dr. B. K. Mishra	Principal / Chairperson, IQAC
2.	Dr. R. R. Sedamkar	Director, IQAC
3.	Dr. Rajesh Bansode	IQAC Coordinator
4.	Dr.Deven Shah	Vice Principal



Yogesh Singh Chavhanale, Trust's (A/No.1)

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

Autonomous College Affiliated to University of Mumbai

Approved by All India Council for Technical Education (AICTE) and Government of Maharashtra (GoM)

Conferred Autonomous Status by University Grants Commission (UGC) for 10 years w.e.f. A.Y 2019-20

Amongst Top 200 Colleges in the Country, Ranked 193rd in NIRF India Ranking 2019 in Engineering College category

• ISO 9001:2015 Certified • Assinments Accredited by National Board of Accreditation (NBA), New Delhi

• Institute Accredited by National Assessment and Accreditation Council (NAAC), Bangalore

5.	Mr. V.N. Dutta	TEG Advisor
6.	Dr. Kamal Shah	Dean (R&D)
7.	Dr. Lochan Jolly	Dean (SSW)
8.	Dr. Sheetal Rathi	PG- HOD Computer Engineering
9.	Dr. Zahir Alam	Training and Placement Officer
10.	Mr. Anil Vasoya	In-Charge HOC Cell
11.	Dr. Sanjay Kumar	Examination In-Charge
12.	Dr. Payal Saha	HOD-E&TC
13.	Dr. Bijith Marakarakandy	HOD-IT
14.	Dr. Harshali Patil	HOD-COMP
15.	Dr. Siddesh Siddappa	HOD-MECH
16.	Dr. Seema Jagtap	HOD-CIVIL
17.	Ms. Poorva Waigankar	IQAC Member
18.	Mr. Vimal Gosar	IQAC Member
19.	Ms. Ashwini Shanbhag	IQAC Member
20.	Dr. Vikas Kaul	IQAC Member
21.	Dr. Megharani Patil	IQAC Member
22.	Mr. Jayant Patil	IQAC Member
23.	Prachi Janrao	IQAC Member
24.	Jalpaben Bhatt	IQAC Member
25.	Ankur Kulkarni	Student Member (COMP)
26.	Hardik Ramparia	Student Member (IT)
27.	Dheerav Nahar	Student Member (CIVIL)
28.	Kamal Choudhary	Student Member (E&TC)
29.	Mr. Uday Waskar	Administrative member
30.	Mr. Shailesh Chavan	Administrative member

Welcome to all the members present:

The meeting began by IQAC Director, Dr. R. R. Sedamkar welcoming all to the IQAC meeting. He mentioned that, as per our internal policy, the External peer team will join every year after the fourth quarter meeting is over, as per autonomy when the academic performance audit is done and rest of the IQAC members as per NAAC will keep on joining all the quarter meetings. He then enquired from all present whether the minutes of the previous meeting were read and whether it could be passed. On getting the approval to pass the minutes of the previous meeting, the meeting proceeded towards the discussion of the agenda points. He further mentioned that the minutes of meeting will be put on website as per policy and as per NAAC requirements also, the AQAR which was sent for approval to NAAC will also be put on website as soon as any response from NAAC is received.



He then requested Principal and Chairman of this committee Dr. B. K. Mishra to welcome and give the opening remarks for the meeting.

The Principal welcomed all for the meeting and informed that the Annual Quality Assurance Report has been sent to NAAC for their approval and it will be uploaded on website as soon as we get their response. He mentioned that during this semester we have started with one initiative, which is basically the review of effectiveness of the academic calendar, as not only is the preparation important, but we have realized that monitoring it is equally important. As a part of the compliance, the departments complied but the evidences were not available. So to establish coherence between the departments and the institute and to find out the gaps if any or if anything which is not the part of Academic calendar was executed during the semester, that part may be considered as beyond the scope of the academic calendar and then if something is not done, so we'll try to understand why the event was not conducted, what problems are there and then whether in the future that event can be included in the academic calendar or not. So, such decisions may be taken based on the compliance report.

As far as the quality is concerned, he said that the compliance will not give us the quality. ISO, NAAC criteria's, NBA criteria's, NIRF ranking criteria's are the minimum requirements to assure the quality that is required for the accreditation, ranking and the rating. He further said that if we want to see ourselves placed in the top 10% or 100% at the national level we have to see that we exceed the compliances and nearly meeting the requirements of the compliances, will not give us the competitive advantages. These advantages are possible only if we can exceed the compliances and bring the originality to our thoughts and actions towards productivity and then if we can define the things with the novelty, it should be recognized by the outside world and once it is recognized visibility will automatically come which will be reflected in the accreditation and the ranking. He also mentioned that all the criteria's are required to be aligned and wherever the similarities are there such parameters can be categorized under the broader perspective. He also said that the action of the institute is required to be oriented in a way that the outcome is reflected as per the criteria requirements.

He further said that we lose the quality angle when we try to compile the things maybe at the end of the semester or whenever the due dates are there. So, quality should not be doing the things as per the due dates, quality should be a culture and it should be a journey for the departments which is possible only when we have the proper benchmarking where the quality objectives are required to be defined, competitive data are to be benchmarked, comparative data are to be benchmarked, so that our all actions lead to the results which are in proportion with the quality objectives and the benchmarking. The benchmarking should be done at the national and the international level and not with the local colleges as we look for the national positioning and we must strive to attain that benchmark level in future.

He also said that the benchmarking has been initiated by the IQAC, but then the affective implementation is not seen. We have to see that everything should be objective based, having



Laxmi Singh Charitable Trust's (Regd.)

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

Autonomous College Affiliated to University of Mumbai
Approved by All India Council for Technical Education (AICTE) and Government of Maharashtra (GoM)

Conferred Autonomous Status by University Grants Commission (UGC) for 10 years w.e.f. A.Y 2019-20
Amongst Top 200 Colleges in the Country. Ranked 193rd in NIRF India Ranking 2019 in Engineering College category
• ISO 9001:2015 certified • Programmes Accredited by National Board of Accreditation (NBA), New Delhi
• Institute Accredited by National Assessment and Accreditation Council (NAAC), Bangalore

both quantitative as well as qualitative analysis required to be done with suitable quality control tools by adopting new tools that have emerged in the quality circle and see how it can be integrated in our ISO processes, so that automatically our all criteria will be calibrated with our ISO system. He also mentioned about the academic audit, IQAC meeting, Board of Studies meeting that was conducted as far as curriculum aspects are concerned and Academic council meeting is scheduled maybe in next month before the commencement of the next semester.

He further said that when we design any curriculum or the syllabus, the philosophy must be set considering the objective, expected outcome, what way these students are going to be benefited and in what way the research cultures can be inculcated through the proper design of the curriculum. There must be proper justification for the objectives maybe at the course level and at the program level they must be articulated and should be designated to all the stakeholders who are connected with the programs so that there is understanding not only for the learning but also to bring the changes in future such that the people are clear about why some of objectives are defined and how these objectives are going to be achieved. So these two questions are required to be answered properly and should be understood by everyone, whoever are directly or indirectly connected with the programs and this is what is expected as per any requirement for which we have to rethink and reorganize. And since the application form is due for few departments, there these changes are required to be done so that the curriculum aspects are defined with respect to the Vision statement of our Institute which is basically to impart the quality education.

He said that the curriculum is to be seen with respect to the quality aspects, where the Director of IQAC is having the major role along with the MR, program committees of the departments, which are made by the Heads of the Department in the capacity of the Chairperson for which the curriculum aspects are required to be broadened as the objective is not only to impart quality education but also to make the students competitive, so that they can have multitrack for their professional carrier where some students could go to the government sectors, some to the public sector, some to the private sector, some to the MNCs, some may opt for the higher studies and some may opt for the self-employment. So, all these perspectives are required to be developed in the curriculum.

Talking about the improvements that we can have in the curriculum he said that we have already introduced many of the aspects in the curriculum to make it industry oriented. We have already named it as the Holistic and Multidisciplinary learning where the scope is to see how we can find out the talent of the students for which the talent hunt should be added to find out the interest of the students and accordingly the students should be nurtured and can be provided the platform for the professional carrier, self-growth and personality building so that the gaps can be addressed which are there from the perspective of the holistic and the multidisciplinary learning. We have to see how the number of students writing the GATE exam can be increased, how the number of students appearing for NPTEL exams can be increased and how the number of students qualifying those exams can be increased as these are not only for improving the



knowledge of the student but are also required for the national level certification of the students. We have to make sure that more and more students should register in the platforms defined by AICTE, appear for exams, get good marks and get recognized at the national level.

Mr. Sharad suggested that focus should be on entrepreneurship as well. He stated that there would be some students who they build their apps, some of them have started earning building their apps of college itself and they're making good money. So if college can provide some budget like a virtual investor where college also can gain out of it, and it will provide a motivation to student also into that entrepreneurship angle.

Dr. R. R. Sedamkar answering to Mr. Sharad suggestion informed that this is well taken. And already, the action has been started in this direction and we will be definitely coming up in this academic year, as our chairman is also very keen on all the R&D, research and consultancy activities, he has promised the things should move faster and hence the action plan is being prepared right now.

Mr. V.N. Dutta suggested for issues raised by Principal sir regarding the employment that are required to be addressed to the students, there are two important aspects as raised by Sir. One is the opportunities available in the field for the new engineers coming out of our institution. Second is the certification and higher programs and at national level. We can prepare modules, in the first module shall include opportunities available for engineers in the field and entrepreneurship, which has to be told in regular programs that is to be conducted for the budding engineers at SE or TE depending knowledge they already gained in the basic subjects. Second module will be the certification systems available in India for engineers, where they can have an additional benchmark for themselves that they have achieved something and they are likely to achieve in this unless we propagate it through an organized program in our curriculum.

Dr. R. R. Sedamkar answering to Mr. V.N. Dutta suggestion informed that roadmap to engineering education is one of the program launched last year by our college it's a four days program for the benefit of students to strengthen these things, second suggestion regarding certifications, the placement opportunities and role of engineer will be very well taken and so will be strengthened.

Dr. S. M. Ganachari suggested that during this pandemic situation each and every student as well as a staff member are facing problems, basically mentality, so care of each and every staff as well as the students has to be taken, which can be done by arranging some program for the staff member to make them positive to forget about the pandemic and come up with a good initiative or growth of the institution's growth of the students.

Dr. S. M. Ganachari's second suggestion is for the mechanical and civil engineering, from placement point of view, students should be motivated and guided in a proper way as mechanical and civil engineering branches nowadays are facing a big problem for the admissions and



placements, to overcome this if something software relieving some courses to be added for the students, definitely it is beneficial for them for the placement for the students

Dr. R. R. Sedamkar then invited Dr. Rajesh Bansode to brief the newly developed template as per the suggestions received after academic performance audit.

Dr. Rajesh Bansode started by introducing newly developed template to collect the data related to academic performance audit as developed after receiving suggestions from combined meeting of Academic Performance Audit and 4th Quarterly Meeting of IQAC as per autonomy and IQAC-NAAC. The template is circulated among all concerned after the approval from the committee, Mr. Anil Kumar Singh, sir - chairman has reviewed it and has finalized all the points as per their requirement annually, action will be taken on these particular parameters, which are identified under the performance audit and the persons who are supposed to take action is also highlighted. Template, actionable points and who has to act upon, template is created quarter wise of what quarter wise action planning strategies for implementing future plan action and then quarter wise action for next A.Y. 2021-2022 is to be planned and executed. Template helps to revise the academic planning design process, making it consistent there he mentioned there were some inconsistencies found and then the points are formed, accordingly the Dean academic board and the chairman Board of Studies have to take action. Points include teaching learning process, research, consultancies etc on which the action needs to be taken quarter wise.

He added the template will simplify things in improving the curriculum as indicated by Principal Sir that quality tool has to improve to contemporary requirements of the industry, research also has to improve and our rankings also will have to improve in NIRF.

Dr. R. R. Sedamkar informed that data is being collected in this particular format and then respective in charge will report action taken quarter wise. So, that the improvement will be seen and its outcome impact quality improvement and validation is to be reported with the documentary evidences and points scored criteria wise during NAAC visit 2017 is put up in the template table, so that wherever the improvement is required can be highlighted in a qualitative improvement in a systematic manner.

Agenda 1: To discuss the Curricular Aspects of the Academic programs and suggest improvements

Dr. R. R. Sedamkar invited Dr. B. K. Mishra to throw light on Agenda 1. Dr. B. K. Mishra said that like every year, we have started our Academic Year from the first July for third year and final year, which is followed with the second year as it has been delayed because of the late admission. The situation now is similar to the previous year and we are expecting the classes to start from next month for the first year. So, now for the third year and final year, the semester is over and exams have started on 8th of November and it will continue up to 18th of November and that will be followed with the vacation. And for second year the last instructional day is 26th of November which will be followed by practical oral and theory examinations. He said that the



Yashwantrao Chavan Pratishthan's Trust's (e.Nepal)

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

Autonomous College Affiliated to University of Mumbai

Approved by All India Council for Technical Education (AICTE) and Government of Maharashtra (GoM)

Conferred Autonomous Status by University Grants Commission (UGC) for 10 years w.e.f. A.Y 2019-20

Amongst Top 200 Colleges in the Country. Ranked 195th in NIRF India Ranking 2019 in Engineering College category

• ISO 9001:2015 Certified • Programmes Accredited by National Board of Accreditation (NBA), New Delhi

• Institute Accredited by National Assessment and Accreditation Council (NAAC), Bangalore

Website : www.tcetmumbai.in

notice has already been displayed for the examination for all the years and we are expecting that the even semester as per the calendar of AICTE or UGC which we call it as the National Academic calendar will start from 1st January, where classes may start effectively from the 10th of January or around 15th of January.

Agenda 2: To discuss the innovative processes adopted by the institution in Teaching, Learning and Evaluation

Dr.R.R. Sedamkar invited Dr.Deven Shah member Secretary of Dean academic board to throw light on Agenda. Dr.Deven Shah said that we are in the process of innovation in teaching learning and evaluation from past couple of quarters. Sir told college has synchronized with the all the guidelines from the various regulatory body in this COVID situation. Initially college was not mature to handle online teaching learning process, but now, we have enough maturity to handle the online teaching learning process. Last month guidelines were received to start offline time table was prepared immediately of making sure at least second year students could be called in offline mode. Second year students were called to college for at least the practical purpose which was very well taken by the students and started approaching college. Every day, we are working on an innovative way to add up the current dynamic at the college level as well as at the national level.

Dr.Deven Shah added our main branches, like computer it telecom and electronics, are now going to face NBA of their fourth cycle, the best part in all these four branches, there are sufficient number of PhD qualified professors. We can target need for a very good ranking in India. To achieve this at least the basic parameters, like the students to faculty ratio, of these four branches need to be strengthened immediately. So that these four branches, can get a very good score in the NBA. Which is an immediate requirement.

Dr.R.R. Sedamkar invited feedback/suggestions from students regarding processes adopted by the institution in Teaching, Learning.

Ankur Kulkarni second year computer student shared his feedback on the teaching learning process that has gone through this semester. He shared that in this semester all the lectures have been conducted smoothly via zoom platform. And the teachers have proficiently used whiteboard feature of the Zoom application to teach the concepts and they have also used infographics, videos which helped in learning the concepts. He told the students were skeptical at first, on the practical's, as in first year, they had practical's of chemistry and physics, so students were skeptical on how they were going to be conducted. But College has provided with innovative and new solutions in the online mode. Amrita online labs is been used for practical's of chemistry and physics, AutoCAD is used for mechanical practical's engineering drawing, these were the modern methods that colleges adopted to help the students in their teaching learning process. Also College has conducted extracurricular activities that are very important for the students, college has conducted many seminars /webinars. One of main event that is multicon is also conducted for first year students, also conferences and internships were conducted. The College



Est'd in 2001

Yoglu Singh Christable Trust's (Akgd)

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

Autonomous College Affiliated to University of Mumbai

Approved by All India Council for Technical Education (AICTE) and Government of Maharashtra (GoM)

Conferred Autonomous Status by University Grants Commission (UGC) for 10 years w.e.f. A.Y 2019-20

Amongst Top 200 Colleges in the Country, Ranked 193rd in NIRF India Ranking 2019 in Engineering College category

ISO 9001:2015 Certified • Programmes Accredited by National Board of Accreditation (NBA), New Delhi

• Institute Accredited by National Assessment and Accreditation Council (NAAC), Bangalore

conducts in House internship for students to make the students ready for the industrial teaching and teaches them valuable skills. So that students are ready to face the industry.

Hardik Ramparia second year IT student shared his feedback for teaching Learning experience for whole year has been very smooth, the transition from the first year foundation subjects to the second year important subjects was also taken up very well, the teachers explained each and every subject in a very efficient and very active manner. There was active interaction between the students and teachers, He shared about time constraint where he could get sufficient time for lectures as well as the practical's, he could complete the NPTEL course for the specialization and examination was attended as well, which is very important for the development of the students who want to study abroad or pursue higher education and in different fields.

He added that, during the summer internship attended last year, were they got very good opportunity to perform the internship, sharing about his experience told that he had taken the data science in internship course, the content covered was at beginner level and it took them through the whole concept and everything was covered very well. He suggested in this regard more advanced course can be given from the college itself, so that the students can also have a wider approach and understand more.

Mr. V.N. Dutta suggested for the quality improvements from IQAC point of view adding to which he told that it would be helpful if the result which has come out, that can add to the improvement in quality of technical education, if it can be brought out for purposes of quarterly report to the IQAC's would be helpful

Agenda 3: To discuss the initiatives taken to sensitize/promote Research climate in the Institution.

Dr.Kamal Shah gave insights about initiatives taken to sensitize/promote Research climate in the Institution. To which Dr.Kamal Shah added in, last quarter where students and many of faculty members were working from home and hence, it was difficult to coordinate but still we could manage the training of Mahindra and Mahindra employees. They were in campus for three months, from 8th July to 6th October 2021 and now on 12th November 2021, there will be a certificate distribution for the successful trainees. This one initiative where our teachers have trained industry people .During vacation we have visited INS Hamla. observation/ learning from these training and visits is there are lots of knowledge sharing happen between the industry participants and our academic environment. And this knowledge sharing helps teachers to strengthen their subjects. So, during this training, when they actually share their real time experiences, and we could connect the theory, there are lot of case studies that are emerging out from these trainings ,that helps to strengthen research and consultancy, She informed that AICTE has started opening AQIS where every year we will get some of the research grants from the AICTE, now every department can give two proposals this semester that will be uploaded in current conference and participation in conference two initiatives are open.



Dr.Kamal Shah told that after second lockdown our Incubation Center was totally closed down because of the government guidelines as it is in the mall. Now, slowly as the situation is improving, people are coming back to the institute's similarly they have come back to the Incubation Center also and now we have total 10 startups running there, only one cabin is left free. We are running with almost 80% of the capacity of that center. we have reached a maximum of 16 startups. Where benchmark of 16 startups is achieved and might be 20 as well if the situation is favourable. Inside the institute many students are engaged in RBL-research based learning in this semester, where students are encouraged to showcase their prototype to the industry and many of them those who have apps or software based project, have got some good input from the industry to convert into a product put it all into the Play Store . So might be slowly those products will be coming out of the Institute as a part of the research culture which leads to entrepreneurship.

Dr.Kamal Shah invited suggestions from members so that future roadmap of initiatives like RnD, EDC as well as consultancy can be prepared.

Dr.B.K. Mishra suggested that two committees' namely research ethics committee and Research Committee, important under autonomous status are to be formed which are not existing today. He further added that there is a constitution for the same that needs to be followed in which external members are also to be included. Mr. V. N. Datta informed that this is a commendable progress by the institute in the right direction.

Agenda 4: To discuss the increase in infrastructure facilities and library facilities as Learning Resources

Dr. B. K. Mishra said that as far as the infrastructure is concerned, right now, furniture work is in progress in two venues and library extension work is already completed. The Training and Placement Cell work is going on, on the fourth floor, which is likely to be completed by next month, the staff room of Electronics Engineering has been completed and HOD room is under development which will be ready maybe by this weekend on the first floor.

Agenda 5: To discuss Student Support services and its progression offered by the college.

Dr. R.R.Sedamkar requested Dr.Lochan Jolly to throw some light on the student support services and its progression. She said that planning for in-house internship in the next semester is done for which NGO's have been approached. Few depts. have got the full capacity to cover all students. Few students from IT and COMP are still left to be connected to some NGO for which efforts are still underway. Professional bodies, student exchange clubs have been conducting their activities in this quarter as per the academic calendar plan submitted to the Principal' office. As far as scholarship is concerned, institute has been able to get partial scholarship for 13 students mounting to 5.15 lacs. Leadership modules for students to develop their leadership capacity has been developed which was conducted in two phases, in phase I, the teacher in-charges who have designed the modules conducted the same for the student leaders and in the



Yogda Singh Charitable Trust's (eAbad)

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

Autonomous College Affiliated to University of Mumbai
Approved by All India Council for Technical Education (AICTE) and Government of Maharashtra (GoM)

Approved by All India Council for Technical Education (AICTE) for 10 years w.e.f. A.Y 2019-20
Conferred Autonomous Status by University Grants Commission (UGC) for 10 years w.e.f. A.Y 2019-20
Amongst Top 200 Colleges in the Country, Ranked 198th in NIRF India Ranking 2019 in Engineering College category
• ISO 9001:2015 Certified • Programmes Accredited by National Board of Accreditation (NBA), New Delhi
• Institute Accredited by National Assessment and Accreditation Council (NAAC), Bangalore

second phase, the student leaders conducted for the remaining students. Dr. Lochan Jolly then requested Dr. Zahir Alam to throw light on the student support w.r.t placements, Dr. Anil Vasoya to throw light on the initiatives taken by the HOC cell and Dr. Sanjay Kumar to throw light on the exam support extended to students.

Dr. Zahir Alam said that as far as training is concerned, training for 2022 batch has been completed in the month of July 2021 which covered training for aptitude test, coding & corporate training. A total of 550 students completed the training. Placements started in the month of July 2021 itself. He further added that as far as outhouse internship is concerned, 806 completed the same successfully. He appreciated the support of HOD's and various coordinators. He also mentioned that the evaluation for the same has been completed successfully and almost 100% students have cleared the same. As far as Multidisciplinary and Holistic Development is concerned, TNP cell has initiated the ESD programme. This year ESD programme has been revised for the semester III students in which 'Open Source Technologies' & 'Basics of Cloud Computing' has been offered. This time the internal faculty members viz. Dr. Deven Shah, Mr. Bhushan Nemade, Mr. Rahul Neve and Mr. Sandip Bankar have conducted this program. As far as evaluation is concerned, 98% of the evaluation is done. Two courses have been offered to semester V students viz. 'Databases for Modern Applications' under which Mongo dB was covered and 'Machine learning through tools for non-programmers'. Most of the non-CS students i.e. MECH, CIVIL, ELEX and E&TC students have opted for the latter. He further added that 100% evaluation was done for this course. The training for semester V ESD programme has been done by external members. Placements for 2021 batch is still underway and till date around 341 students out of 525 interested students. 174 companies have been invited to the campus to place the 341 students. Maximum package offered has been 30 lacs, average is 4.49 lacs and minimum is 1.8 lacs. For 2022 batch, an initiative has been taken to increase the salary by inviting only those companies that are offering more than 3.5 lacs package. This initiative has been taken with the aim of improving the average package being offered that will indirectly influence the rating and ranking of the institute in NIRF and AICTE-CII survey. Keeping this in mind, around 30 companies have been invited and around 274 students have been placed with maximum salary of 30 lacs, average salary of 5 lacs and minimum salary of 3.50 lacs. Around 61% of the 274 students have been offered placement with dream companies.

Dr. Anil Vasoya added that in July 2021, HOC cell organized an event for all students of FE i.e. 'Education opportunities after engineering'. Students were also informed about the different online certification portals available in the market which helped them in understanding the benefits of online certification & which certifications are accepted by the industries and various higher education universities. A session was also conducted on 'Opportunities for higher education in UK, US and Germany. One-to-one counselling has also been given to students who have given consent for higher education in online mode in which 15-20 mins was allotted to each student. An external counsellor, dept counsellor and himself would guide by letting the students know which courses are suitable for them, suitable country and course selection and shared links



of different universities syllabus thereby helping students to clearly this which country and course is highly suitable.

Dr. Anil Vasoya further said that the HOC cell has also kept the students updated about the timelines of different competitive exams. All of this guidance has seen a surge of students enrolling for GRE and IELTS exam. A virtual edufair has also been organized in association with Imperial in which more than 51 university delegates were present virtually and interacted one on one with TCET students. Ms. Jesal Varolia conducted 2-3 sessions on how one can score good marks in IELTS exam. Another programme organized was an interaction of current students with pass-out students who scored more than 325 marks in GRE on tips that can help to crack the GRE. As far as certification courses are concerned, FE students have completed atleast one FOSS course of IIT Bombay under in-house internship, SE students have done Coursera certification under in-house internship and under specialization, many students have enrolled for NPTEL courses. More than 255 students have paid the fees for NPTEL courses, and one of the students from COMP, Vedant Pandya, has received the domain certificate from NPTEL on Artificial Intelligence.

Dr. Lochan Jolly further added that at the start of the semester, in consultation with all the HODs, the syllabus of various departments was aligned with the GATE curriculum so that more students are capable enough to clear GATE, this academic year it being 35 students who cleared GATE. Guidelines were given to the faculty members of how GATE questions could be incorporated in formative assessment and a program level evaluation has been suggested at the end of each semester based on GATE examination giving students a practice on taking the GATE exam. The database of question bank of GATE questions will then be shared with the HOC cell so that it can be shared with students of upcoming batches.

Dr. Sanjay Kumar said that in this semester too, exam section is conducting online examinations for third year and final year students from 8th-18th November 2021 and 13th -22nd December 2021. Exam section is prompt in solving any grievances of students. For bringing about improvements in conduct of examination and assessment, exam section has conducted a 1-day Symposium on 18th September and whatever suggestions were received, exam section will work towards it. Two exam coordinators created a software wherein faculty members will only have to enter the split-ups after which the total marks and the analysis will be generated automatically. This will ensure minimum human error and hopefully less grievances from students. Exam section is working hard to improve the examination and assessment system at their level and a checklist is prepared for every activity in the exam section. Exam section also takes the onus of adhering to timelines set for every activity.

Dr. R. R. Sedamkar suggested to all members present that as mentioned by Mr. V. N. Datta and Dr. B. K. Mishra, as far as guidance on improvements in qualitative measures is concerned, the senior leaderships could always be approached. Mr. V. N. Datta appreciated the detailed report given by Dr. Zahir Alam as far as placements are concerned, however he had a suggestion



Zagda Singh Charitable Trust's (Regd.)

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

Autonomous College Affiliated to University of Mumbai

Approved by All India Council for Technical Education (AICTE) and Government of Maharashtra (GoM)

Conferred Autonomous Status by University Grants Commission (UGC) for 10 years w.e.f. A.Y 2019-20

Amongst Top 200 Colleges in the Country. Ranked 193rd in NIRF India Ranking 2019 in Engineering College category

• ISO 9001:2015 Certified • Programmes Accredited by National Board of Accreditation (NBA), New Delhi

• Institute Accredited by National Assessment and Accreditation Council (NAAC), Bangalore

i.e. will it possible by the IQAC cell to collect a report from the industries where our graduate students are placed, regarding the quality of our graduate students and having collected the report, what suitable actions can be taken regarding the same. To this Dr. R. R. Sedamkar replied that IQAC being the monitoring & guiding body, the quality control is being done at the department and section level under the guidance of the Principal & Vice-Principal. The role of IQAC lies in monitoring, guiding and strategizing for the actionable points identified for which action needs to be taken at department, section and board level.

Dr. B. K. Mishra further added that the feedback to be taken from the industry is a part of the TNP process wherein the TNP head takes the feedback of a pass out batch six months after joining an organization. Dr. Zahir Alam added that TNP cell takes two kinds of feedback, one during the placement process when the recruitment persons from the industry visit the campus, here the overall feedback is taken right from conduct of PPT, student performance and suggestions towards design and development of the curriculum and second when the students have completed their training and are into the project for minimum 6 months, after one and half year approximately, TNP cell approaches the industry to get their feedback about TCET students recruited in their organization. As per ISO, minimum 2% of the total feedback is to be obtained. As such no grey areas have been observed, however the HRs visiting the campus are suggesting that students need to have a good grip over coding. Acting on this, a coding club has been initiated in which students are supposed to enrol irrespective of their branch and are guided towards dynamic coding. Mr. V. N. Datta further added, a feedback could also be taken from alumni students about what concepts are being used in the industry and is not a part of the curriculum. Dr. Zahir Alam replied that this feedback is collected from the alumni during the alumni meetings.

Agenda 6: To discuss improvement strategies adopted by the Institution for Academic and Infrastructure developments (Governance, Leadership and Management)

Dr. B. K. Mishra said that as far as the infrastructure is concerned, since the last two years the works are in progress. The work is almost over and A wing is operational from ground floor to the seventh floor, B wing is operational from ground floor to the seventh floor and then the C wing is operational only up to fifth floor.

Agenda 7: To discuss the innovations introduced during this academic year which have created a positive impact on the functioning of the Institution

13/10 Dr. R. R. Sedamkar invited Dr. Deven Shah member Secretary of Dean academic board to throw light on Agenda. Dr. Deven Shah said that college has observed a lot of dynamic things in past quarter itself, dynamic is about, having an 870 intake and 11 UG branches along with one DEVOPS courses. This dynamic need to be adapted by each and every stakeholders, including the students and the staff, including the non-teaching staff. The dynamic nature has changed like for example, out of 870 today 570 intake are now directly linked with the computer related branch, another example being, mechanical intake is now reduced from 120 to 60, civil intake is



THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

Autonomous College Affiliated to University of Mumbai

Approved by All India Council for Technical Education (AICTE) and Government of Maharashtra (GoM)

Conferred Autonomous Status by University Grants Commission (UGC) for 10 years w.e.f. A.Y 2019-20

Amongst Top 200 Colleges in the Country, Ranked 193rd in NIRF India Ranking 2019 in Engineering College category

• ISO 9001:2015 Certified • Programmes Accredited by National Board of Accreditation (NBA), New Delhi

• Institute Accredited by National Assessment and Accreditation Council (NAAC), Bangalore

reduced from 120 to 60. We have a cybersecurity and a new branch from this academic year. So, this dynamic also have a challenge with the training in placement officers. As TnP need to make sure that this dynamic is working properly they need to add up because there used to put a lot of effort in creating a placement opportunity for the core branches. Dr. Deven Shah added that now, out of 870, 750 students are going to computer branches then they have to focus more on this particular practice.

Agenda 8: To discuss the action taken by the departments on the actionable points identified in the previous meeting

Dr. R. R. Sedamkar then invited Dr. Rajesh Bansode, the IQAC Coordinator to give a gist of happenings of the last quarter submitted by the departments.

Dr. Rajesh Bansode started with action taken in the last quarter by UG Computer Department. Criteria 1: The department has started with ESD 2.0 Version, revision of new courses offered as open source technology and basics of cloud computing for second year students and ESD-5 database for modern applications and machine learning through tools for non-programmers for 3 years students. Criteria 2: Online FDP on Cybersecurity and Digital Forensic was organized and conducted and online training conducted on MS Excel for training for non-teaching staff. Criteria 3: Seminars were arranged for business Canvas, pitch presentation, patents, to improve research cultures among students. Students have prepared research papers for publication for technology conference. Criteria 4: Availability of labs for faculty members as they were present in campus for carrying out their research work. And calibration was also done by lab assistants of hardware equipment's. Criteria 5: Aptitude test, Technical tests and Coding tests were conducted as a part of preplacement training as a continuous process. Criteria 6: Department is motivating students to participate in key activities plan, various orientations are conducted to participate in National International Hackathon and Conferences. Criteria 7: Orientation for program based examination is conducted for SE and TE students so that they can prepare for GATE exam and other competitive exams out of which 13 students have also enrolled for Google Cloud certification.

Moving ahead with UG E&TC department Criteria 1: Syllabus of the E&TC program was revamped to include IT related subjects and changes have been made and put up in periodic BOS meetings. Criteria 2: RBL activities, focusing on Industry Association, technical paper writing has been conducted among students. Criteria 3: Participation of E&TC students in inter department Hackathon competition was conducted. Criteria 4: Conduct of TLP in online mode from college with appropriate infrastructure readiness was used, which has given edge to infrastructure improvement. Criteria 5: Conduct of TECH WORLD STEM-PROMO activity was done. Criteria 6: Total 67 students from SE, TE and BE and a total of 5 students from SE and TE are doing specialization courses, namely under IoT and Computer Network Towards 5G respectively as offered by department. Criteria 7: Submission a first draft of NBA SAR has been done.



ESTD - 2001

Tatyasaheb Kore Education Trust's (TCEET)

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

Autonomous College Affiliated to University of Mumbai

Approved by All India Council for Technical Education (AICTE) and Government of Maharashtra (GoM)

Conferred Autonomous Status by University Grants Commission (UGC) for 10 years w.e.f. A.Y 2019-20

Amongst Top 200 Colleges in the Country. Ranked 193rd in NTRF India Ranking 2019 in Engineering College category

Accredited by National Board of Accreditation (NBA), New Delhi

Accredited by Council for Technical Education and Accreditation Council (CTEAC), Bangalore

Proceeding further with UG AI & DS department Criteria 1: Technical seminar on topic Artificial Intelligence: Search Method for Problem Solving was conducted for SE students in which 51 students have enrolled for the seminar. Criteria 2: IA-1 Question Paper for September 2021 was set as per guidelines with Course Objective and Bloom's Taxonomy. This is a new department. So, they started in coherence with the older departments. So this process is carried out. Criteria 3: Counselling and motivation to the faculties to enrol for PhD course. Criteria 4: Students were able to access the resources offline and online during the last quarter. Criteria 5: One to one counselling was arranged for students in the month of august for understanding the needs and understanding of the students for the course. Criteria 6: Department vision mission statement was finalized on the 26th of July. Criteria 7: Blended learning counselling and motivation to students for enrolment in online Environmental Studies course was carried out. So this is one of the key practices.

Adding with highlights of action taken received from PG- computer. Criteria 1: Miss Lakshmi Jahaof 2020-2021 batch has shared the experience of ME project and the entire journey of one year for current timely completion of projects ready. Criteria 2: one on week FDP on recent trends in genetics in our conducted by RSRI Research Society, during the month of July, Criteria 3 : session was conducted on how to write a research paper was carried out by Dr. Sheetal Rathi on 7th of September . Criteria 6: one day National Symposium on technology vision 2035 education perspective was put up students have attended and then enhancing employability, employment and engineering graduates through implementation of NEP 2020 where students have attended of PG computer Criteria 7: all the guides had a regular follow up through various mediums and counselled students to complete the project in time, so, this time, they could complete the PG projects in span of within one year.

Agenda 9: To discuss strategies for implementing future plans of action for the year 2020-21

Dr. R. R. Sedamkar requested the Heads of various departments to share their strategies for quality improvement w.r.t teaching-learning, research & development, student progression, examination and evaluation as future plans. Dr. Payel Saha said that E&TC has already incorporated the GATE curriculum in the syllabus, however the training time available in the syllabus was insufficient, hence the aim is to chalk out more time for imparting GATE curriculum to the students. She further added that second action plan is to improve research climate in the department. A meeting was conducted for the same and it was decided that at least five research papers need to be published each year by the faculty members in good reputed journals. Few students from the dept. have secured 2nd and 3rd position in the inter department ML hackathon and are now promoted to participate in the national level Manthan Hackathon and therefore they need to be pushed for the same. Also, two patents have been filed in the antenna domain. She added that encouragement and incentives need to be given to faculty members in order to promote research culture.



As far as IT dept. is concerned, Dr.Bijith Markarkandy said that a follow-up has been taken with UI Path and after due approval from the management and after preparing the office note, the dept. has got the approval to tie up with them for the course 'Robotic Process & Automation' and he has also received a mail from UI Path welcoming the dept. for future alliance and a confirmation that the knowledge of this course will be imparted to the faculty members of the dept. Subsequently this course may be offered as an Open Elective. As far as the curricular aspects is concerned, the suggestions given by the peer team has been discussed with the department staff and appropriate notices and academic exam reforms have been issued by him which will help in fine tuning the exam papers to the COs and as per Bloom's taxonomy. He further added that five patents have been filed by Dr.Deven Shah along with the PhD students out of which one is granted, and one patent has been submitted to the IPR & Publication cell. Mr. Bhushan Nemade has published a paper in the Q2 journal which is Scopus indexed.

Dr.Harshali Patil said that as far as COMP dept. is concerned, for curricular aspects as per current trends, latest technologies and need of the stakeholders, value addition will be done in the curriculum. Technology conference will be organized in the month of November. A national level project competition is going to be organized in the next semester. A STTP on 'Digital Transformation' is planned in the month of January.

Dr.Siddhesh Sidappa added that as a new branch 'Mechanical engineering and mechatronics' is being added, the dept. is in the process of strengthening the syllabus & the scheme also keeping in mind the lab requirements.

Dr. Seema Jagtap added that a conference on 'Green technology and Sustainability' is planned in the month of November. The goal of strengthening research activity in the dept. is also being worked upon.

Dr.Sheetal Rathi added that as AI&DS is a new branch added, five sectors have been identified like fintech, agritech, education, life science etc. In the next semester, strengthening these areas by involving students through peer learning will be the key action plan. Some part of these areas will be integrated even more through case studies. As far teaching learning is concerned, blended learning has been introduced which has received very good response from students. This will be further extended next semester for value education.

Dr. R. R. Sedamkar then introduced the newly developed template to collect the data which is framed as per the suggestions received from Mr.Anil Kumar Singh. The template includes the Observations/ Suggestions received from External Peer Team of Experts as per UGC requirement of Academic Performance Audit and NAAC 4th Quarter,actionable points and the concerned who will be acting upon it. The same has been shared with Dean-Academic Board(Chairman), Dean-Academic Board(Member secretary), Chairman-BoS(Respective Program), Board of Examination & Controller of Examination (CoE – TCET), Dean – R&D,



Yashwantrao Chavan Charitable Trust's (Regd.)

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

Autonomous College Affiliated to University of Mumbai

Approved by All India Council for Technical Education (AICTE) and Government of Maharashtra (GoM)

Conferred Autonomous Status by University Grants Commission (UGC) for 10 years w.e.f. A.Y 2019-20

Amongst Top 200 Colleges in the Country. Ranked 19th in NIRF India Ranking 2019 in Engineering College category

Approved by the Council of Technical Education (CTE), New Delhi

Approved by the Council of Technical Education (CTE), Bangalore

Dean – SSW, HODs, TPO & HoC In-Charge, Concerned Activity Heads and Librarian. Dr. R. R. Sedamkar further informed that from next quarterly meeting onwards, all the concerned in-charges should prepare the action taken report in the given format and present point by point during the IQAC meetings for better compliance of the actionable points.

Agenda 10: Any other point with permission of the chair.

Dr. R.R. Sedamkar took the permission of the chair and invited suggestions if any from all members present. Dr. Radha Shrinivas appreciated the efforts being taken given the suggestions put forth. She further added that while having the physical meeting, development in infrastructural facilities was also observed. One thing that we need to look upon is that while we are adopting blended learning modes, as far as the library learning resources are concerned, having a provision of e-marking the resources thereby maintaining the code of ethics will help in further strengthening e-learning.

With no more points to discuss, Dr. R.R. Sedamkar gave his concluding remarks that IQAC will work towards incorporating all suggestions given by the external members wherever possible and present the same in the IQAC meeting of the next quarter.

Prepared By	Checked By	Verified By	Reviewed & Recommended By	Approved By
Ms. Ashwini Shanbhag Ms. Swetha Suresh Kumar Ms. Purnima Chandrasekar	<i>B. Rajesh</i> 08/12/21 Dr. Rajesh Bansode	<i>R. R. Sedamkar</i> 08/12/21 Dr. R.R. Sedamkar	<i>Dr. Deven Shah</i> 09/12/21 Dr. Deven Shah	<i>Dr. B. K. Mishra</i> 09/12/21 Dr. B. K. Mishra
IQAC Members	IQAC Coordinator	Director- IQAC	Vice Principal	Principal & IQAC Chairperson