



*Langdu 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*

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Website : [www.tcetmumbai.in](http://www.tcetmumbai.in)

**Date: 18/08/2021**

### **Minutes of NAAC- IQAC Committee Meeting held on 31<sup>st</sup> July 2021 at 11:00 am through zoom online platform**

**Purpose of the meeting: To approve previous IQAC minutes of the meeting held on 29<sup>th</sup> April 2021 and discuss the initiatives taken during the fourth quarter (April to June 2021) and the quality initiatives to be taken in the first quarter (July to September 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:

<b>Sr. No</b>	<b>Name of External members</b>	<b>Designation</b>
1.	Mr. Sharad Tiwari	Associate consultant, TCS
2.	Dr. Radha Shrinivas	IQAC Coordinator, University of Mumbai
3.	Dr. S. M. Ganachari	Principal-TPoly
4.	Mr. Neeraj Yadav	Alumni

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Sr. No	Name of External Peer Team members	Designation
1.	Dr. Anil Kumar Singh	Chairman, External Peer Team
2.	Dr. P.P Bhave	Member, External Peer Team

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
5.	Mr. V.N. Dutta	TEG Advisor
6.	Dr. Kamal Shah	Dean (R&D)
7.	Dr. Lochan Jolly	Dean (SSW)
8.	Dr. Sanjay Kumar	Controller of Examination
9.	Dr. Sheetal Rathi	PG- HOD Computer Engineering
10.	Dr. Zahir Alam	Training and Placement Officer
11.	Mr. Anil Vasoya	In-Charge HOC Cell
12.	Dr. Payal Saha	HOD-E&TC
13.	Dr. Bijith Marakarakandy	HOD-IT
14.	Dr. Harshali Patil	HOD-COMPS
15.	Dr. S.C Patil	HOD-ELEX
16.	Dr. Siddesh Siddappa	HOD-MECH
17.	Dr. Seema Jagtap	HOD-CIVIL
18.	Dr. Sunita Pachori	F.E. In-Charge, ES&H
19.	Ms. Poorva Waigankar	IQAC Member
20.	Mr. Vimal Gosar	IQAC Member
21.	Ms. Purnima Chandrasekar	IQAC Member



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22.	Ms. Ashwini Shanbhag	IQAC Member
23.	Dr. Vikas Kaul	IQAC Member
24.	Dr. Aditya Desai	IQAC Member
25.	Ms. Shweta Sureshkumar	IQAC Member
26.	Dr. Megharani Patil	IQAC Member
27.	Mrs. Vidyadhari R. Singh	IQAC Member
28.	Mr. Jayant Patil	IQAC Member
29.	Mr. Omkar Sawant	Student Member (COMPS)
30.	Mr. Jignesh Jain	Student Member (CIVIL)
31.	Mr. Lance D'Silva	Student Member (MECH)
32.	Ms. Agrima Gupta	Student Member (E&TC)
33.	Mr. Jhanavi Shetty	Student Member (IT)
34.	Mr. Omkar Chaudhary	Student Member (ELEX)
35.	Ms. Vaishnavi Patil	Student Member (ES&H)
36.	Mr. Uday Waskar	Administrative member
37.	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 also mentioned that, for the first time the peer review team that had conducted the Academic Performance Audit on 27<sup>th</sup> July 2021 as per the UGC norms have joined for this fourth quarterly IQAC meeting. He further welcomed Dr. Anil Kumar Singh and Dr. P. P. Bhawe of the team for the meeting. He briefed about the agenda and requested Dr. B. K. Mishra, to welcome and give the opening remarks for the meeting.

The Principal welcomed all for the meeting and mentioned that it is decided to conduct the fourth quarterly IQAC meeting after the academic audit every year and the peer committee team members are inducted in the IQAC team expecting them to be a part of this yearly meeting. He further mentioned that Academic Audit was conducted on 27<sup>th</sup> July 2021 for two academic years 2019-20 and 2020-21 which was delayed due to pandemic. He also informed about the things that has been emerged out from the previous meeting which was put up as the opening remark, where it was expected that activity done that should be as per NAAC points under the various criteria,

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and accordingly the HOD's have taken the effort to put it in the criteria. The idea behind that is to ensure that whatever we are doing, either we are complying with the requirements or we are improving on the requirements so that we can exceed the compliances. And we may move to higher grades if we exceed the compliances then our position as per the NAAC and other accreditations. He expressed his happiness as the same was implemented across all the departments but also mentioned that there is still scope for improvements. He also said that all our actions should be documented as per the criteria with the objectivity and then objectivity must be supplemented with the measurements; measurements must lead to the output which should be in proportionate with the benchmark. We also need to look into how to change the output into the outcome, and then what impact study we should have. These three measurements are very important for all of us, if we want to have a competitive edge and be close to our mission statement, which speaks about the TCET should be the world's renowned premier engineering and technological Institute. Doing these things are going to create a difference in our approach as earlier we were only doing the management of the knowledge based on ISO, which is basically the source of the input to all the other models, be it NAAC or NBA or the autonomy. We now have to see how the innovation management can be brought into our system so that we can capture the knowledge, ideas, best practices, innovative practices, and how these practices can be brought into the innovation management system, thus adding value or newness to our system and creating a difference by thinking beyond the gaps for consistent value addition and innovations which can be practiced over the years.

Dr. R. R. Sedamkar then invited Dr. Rajesh Bansode, the IQAC Coordinator to give a brief presentation and put on the NAAC criteria wise inputs received from all departments. Dr. Rajesh Bansode started with the initiatives taken by the TCET's IQAC cell including the conduction of Performance Academic Audit for the AY 2019-20 and 20-21 on 27<sup>th</sup> July 2021 by external peer team where in major aspects like curriculum enrichment, curriculum design development, then followed by specializations internships, higher studies and statistics were focussed. He also mentioned that one day National Symposium on NEP 2020 - Opportunities for stakeholders was conducted on 27<sup>th</sup> of April 2021 as an initiative of IQAC. And to make the system time bound, IQAC has created a template for the first time as a colour code so as to ease out to see that a Section in-charge, HOD, Principal, Vice Principal, Dean's can speak once in a go and can complete the agenda for the meeting.

He further informed that gist's from all departments like that criteria wise are been taken and accordingly, Criteria 1: of scheme and syllabus is approved through BOS meeting, curriculum enrichment by incorporating gate syllabus in the scheme was also observed. From all departments', Criteria 2: preparation of quality content for online teaching was done as the teaching learning was in pandemic mode. A good amount of quality e-content was delivered to students and the resource books were also incorporated with GATE syllabus, Criteria 3: Organizing Technology Conference during November 2021 is planned to promote research parameter then credits are allocated to students in research based learning, Criteria 4: since is about infrastructure



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improvement and completion is by 15<sup>th</sup> August, Criteria 5 : Programs viz. Infosys Campus Connect, employability skill development coding tests, mock interviews, one to one counselling are conducted as student progression, Criteria 6: Faculty members attended the various online FDP's STTP's , workshops, seminars, during semester break to enhance and to deliver quality content in subsequent semesters, Criteria 7: Adoption of innovative teaching learning process is a flipped classroom, Mentimeter, online puzzle maker , student develop interactive edition games these activities are adopted by faculty members for effective delivery of innovative practices, which would give an overall growth to the teaching learning process to be delivered by faculty members to students.

He further added quality parameters mapping to NAAC criteria defined by IQAC seven criteria's are on top and eight is the future plan of which feature the internal benchmarking parameters that is considered. For student specific we're on five major parameters from left to right: admission category highest cut off, a CET score, the lowest cut off is observed every year, ensuring progression industry placement is observed. And in certain category of personal progression, measuring the number of students that are appearing for various competitive exams and higher studies are taken into account, an online certificate cell and next progression is allotted, dealing about the academic research performance by the students from various departments, how it is observing, is it growing or is it sustained and where is scope for improvements in various departments.

He further informed that Internship is carried out, as part of internal bench marking performance of the students placed from final year is measured as success rate and graduation rate. These bench marking parameters have prepared as templates for measurement purposes. There is data gathering template as an overall perception for various strategies, like any coordination to be taken on specific criteria is initially jotted down then the purpose drive planning and deployment process, how it is done for quality initiatives put up in the scope is defined in the target audience who is involved in the quality initiatives clearly put up its outcome and improvements with previous economic risk measure, so that if any gaps are there, any positive negative is put up , then that can be discussed, then impact of initiatives is also written that can be understood. The overall percentage improvement in the impact that is carried out in validation and documented evidence is put up so, that the complete data gathering of a specific template is done. It becomes a report when we compile for various criteria's. And that gives the overall summary of a AQAR, which is supposed to be upload every year on NAAC portal. So, keeping objective as NAAC portal, AQAR is to be made much more effective.

Dr. R.R Sedamkar told the report presented is based on how to extract the information as suggested by Dr. Anil Kumar in Academic audit meeting to benchmark results and compare it within and other colleges. Accordingly processes is been initiated. So that benchmark can also be done peer colleges who are in the vicinity.



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

Dr. R. R. Sedamkar invited Dr. Deven Shah to throw light on Agendas 1. Dr. Deven Shah informed that the departments have submitted the criteria wise last quarter report for Agenda 1 and have introduced the subjects in TE and BE as per the latest requirement, as a part of full autonomy with which the departments got an opportunity to align our TE and BE subjects as per the industrial requirements. He further informed that to cater the latest trends and technology, the institute has applied in AICTE the course on Cyber Security, and is planning to start a course on Artificial Intelligence and Data Science and Mechatronics for the next academic year, i.e.2021-22. He also mentioned that, as a part of a policy, we make sure that at least 20% of the content of existing subjects needs to be changed every year. He also said that we have started offering specialization from the first year under the autonomy and every department is offering two specialization courses of 18 credits each where we have around 250 plus registrations across all the departments. He further said that it is one of the most important ways to promote interdisciplinary learning where even civil and mechanical department students can opt for specialized courses offered by IT departments.

Principal further informed that points that emerged out of the Academic IQAC Audit were collected, consolidated and will be sent to IQAC so that the same can be a part of the improvement initiative.

Dr. Anil Kumar Singh appreciated the summarized curricular restructure but also said that we should think in terms of analyzing the entire results of the entire college, maybe like interdepartmental comparison, etc. The second point that he raised was the flexibility to credit some courses from other departments. He also said that restructuring of the laboratory exercises needs to be done because of the pandemic to ensure that they are COVID appropriate if it is to be done in offline mode. He also said to look into student amenities like restroom etc if any are missing. And regarding the library he mentioned we should have enough e-resources as we are moving towards applying for university status. It would be good to subscribe for journals to inculcate research culture.

### Actionable points:

- a) To align the TE and BE subjects as per industry requirements to cater latest trends & technology
- b) To restructure the laboratory exercises because of the pandemic to ensure that they are COVID appropriate if practical's are to be conducted in offline mode.
- c) To ensure enough subscription of e-journals to inculcate research culture among students and faculty members.



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

Dr. R.R. Sedamkar requested all Head of Departments to throw light on their respective department initiatives with regards to the given agenda.

Dr. Payel Saha informed all that academics have started in the online mode for third, and final year students which started from 14<sup>th</sup> July, 2021. AICTE recognized STTP was organised on the topic "Next Generation Communications and Networks" in the month of June, in which there were more than 200 participants and few topics like massive MIMO and software defined networks and non orthogonal multiple access techniques are covered STTP. Holistic multidisciplinary activities for the second year students are introduced. Process of introduction of HME syllabus is going. Dr. Bhave highlighted that in regard with STTP topic selection, one should concentrate on uncommon topics and resource person selection, because online mode there are a couple of webinars which are uncommon and the topics which are in demand will definitely attract a good number of participation across the country.

Dr. Harshali Patil informed all that with respect to the actions taken in the last quarter, and regarding the curriculum aspects, 20% modifications are done in the syllabus, wherever the subjects are not included in the gate exam and wherever the subject, mapping is done the gate exam syllabus, where mapping is such that syllabus is 90% in alignment with respect to the gate syllabus, innovative processes adopted by the department, some guest lectures were organised for few subjects, to give the industrial touch to the students. Different PSR activities were organised with respect to the formative assessment, domain club is formed, and different experiential activities were conducted. With respect to the research climate credits for RBL are introduced, completed the in house internship, AICTE approved two week STTP was conducted and completed successfully on the topic the application development using micro services for cloud computing.

Dr. Bijith Marakarakandy informed regarding activities of IT department. As a part of innovative practice, project based examination is carried on. Students have developed interactive games this time during PBL, and in RBL, blog writing has been extensively discussed and students have been encouraged to do blog writing in the sessions. An AICTE, sponsored one week short term training, moral values, ethics and behavioural sciences was conducted. He also informed that participation of faculty and students was also seen in NEP 2022 and TV 2035 programs.

Dr. Sheetal Rathi gave inputs about activities conducted in PG department is concerned; students were encouraged to do some self learning course through MOOC platform. All the students have done atleast one course through the MOOC platform; for computer engineering, Students have done hands on session on R programming. An interactive session with the senior



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students was arranged wherein they shared their experience on how the project can be effectively completed in stipulated time duration. She also mentioned that the previous batch (2019-21) have done their project in online mode and have completed it in record time of two years because of regular presentations and follow up.

Dr. Sunita Pachori mentioned that the dept. successfully conducted the innovative examinations for semester I & II in AY 2020-21 as far as dept. adopting innovative processes was concerned. Students made a report and presentation for the problem statement allotted to them under this examination. Faculty members have also developed e-content in the form of resource books for subjects like engineering mechanics, applied mathematics-II, English for professional communication. These resource books were very useful to students in the current pandemic situation. Student validation with result prediction model is yet another best practice adopted by ES&H dept.

Dr. Seema Jagtap emphasized that the dept. is definitely looking into concern areas viz. placement, entrepreneurship and consultancy. She further added that the faculty members of the dept. have conducted doubt clearing session in the April-July quarter effectively and resource book preparation for SE is underway. She then added that RBL I and III has been successfully conducted for TE and BE students while conduct of in-house internship and support to TNP cell for outhouse internship has been successfully completed.

Dr. Siddapa highlighted the utilization of tools like Padlets, KWHAQ chart, open source PLC softwares etc. Group activity for students on design/development of robot manipulators was successfully undertaken. Other than all this, dept. has been working on resource book updation and implemented additional credit offering for all activities under CBCGS-HME.

Dr. S.C. Patil highlighted few of the initiatives taken up by the department viz. self study for students which will be taken up in the next lecture for a given subject, problem statement for projects based on Technology Vision 2035, and encouraging students to participate in e-Hackathons and other competitive exhibitions.

### Actionable points:

- To conduct STTPs with appropriate topic selection, one should concentrate on uncommon topics and correct resource person selection
- To have effective conduct of programme assessment test based on inclusion with GATE questions course wise is to improve students technical understanding among all courses
- To encourage more students to participate in e-Hackathons and other competitive examinations



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

Dr. Kamal Shah shared with all that industries were approached and we got one consultancy of Mahindra and Mahindra in which mechanical and IT department faculties are doing. Additionally the IEDC grant received in last year, last quarter was closing of that particular grant utilization certificate and statement of expenditure. After the second lockdown again, incubation centre has been started again, where inviting again our old and new incubate or the start-ups has begun. Currently five people have turned out. For the next quarter, the target is to improve the quality of the publication as guidance is received in the academic audit meeting by the external experts and second suggestion they have given that we have to improve the industry interaction at various levels like with the students as an expert lecturer or might be with the project or as a mentor to the faculty where faculty can do shadowing with the industry people.

Dr. Anil Kumar suggested that agenda may be slightly modified. It can be sensitize promote research and consultancy climate. Sir also suggested that in research methodology one or two week course can be introduced for PG students. Dr. R.R Sedamkar answered that for newly admitted PhD students, the coursework will be started from 10th August or so that, where faculty will be made a part of that coursework of research methodologies, so that they can be benefitted out without extra effort.

Dr. B.K Mishra added to above said point that research methodology is the inherent characteristic of the curriculum itself for PG and PhD, and in UG, we have the research based learning, so there we can accommodate research methodology as introductory topic. He further added academic audit, there was highlight about scientific communication. For which work is in progress for incorporation in curriculum

Dr. Radha Srinivas informed that in their institute they are having course on research methodology in the Department of Physics. And since 2015, when the institute was autonomous she was part of the course, initially was coordinated by Prof. Bhattacharya, who had formulated all syllabus, and it is dynamically changing. She has adopted experiential learning.

### **Actionable points:**

- a) To invite old and new start-ups that have again started, more start-ups to add
- b) To improve quality of the publication, industry interaction at various levels viz. students during a project at industry where faculty as a mentor can do shadowing with the industry people should be more targeted.
- c) To integrate scientific communication related course content to be incorporated in curriculum for which work is in progress
- d) To introduce one/two week course on research methodology for PG students



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

Dr. Deven Shah said that all the departments have made sure that their labs are recalibrated keeping in mind the preparedness required for offline TLP if it is to commence from 15th of August 2021. He also said that he has noted down all the suggestions given in the peer academic performance audit, in which one of them was to have an inter department committee for mentor of specialization.

#### **Actionable points:**

- a) To recalibrate dept. labs to start online TLP to offline mode if need arises
- b) To establish inter department committee for mentor of specialization.

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

Dr. Lochan Jolly mentioned that for the student support and its progression, grant from AICTE was received for the spices, the activities are conducted and quarterly report is submitted. Since TCET Rotaract club got this grant, under the first quarter, the GAMEATHON was held under PBL, where students are encouraged to make the games as an activity of project based learning. GAMEATHON event was organised, and under extra-curricular activity head the talent hunt was organised and first quarterly report to AICTE has been submitted.

In the last quarter, the in-house internship for the second year student is completed and for first year student the in house internship is going on and it will be completed by 6th of August, in house internship there were trainings on project development, students were made mandatory to complete one certification. All SE, TE and FE students have completed one certification either from Coursera or Google or Fosse platform. FE students will be completing 120 hours and SE students have the completed 160 hours of this 60 been done in the last semester, which was social internship. So in this semester, 100 hours is on persona, technical internship, experts, industry experts are trainers, about 10 trainers were there which have interacted with the students during this platform. All TE students have completed the outhouse internship everything was finished by 20<sup>th</sup> June, evaluation consolidation and the results have already been declared.

Institute has organized the TV 2035 symposium and students were a part of it to encourage more learning and practicing what is the vision of the country with respect to TV 2035. She further informed that an event was carried forward through extra & co-curricular activities by organizing 'Progressive India', an event which had an institutional level three competition poster, debate, as well as a presentation competitions where the students have taken the theme of 10 grant challenges and the first day it was a two level event first at the department level along with the event there was a discussion on various problems, there were workshops to make the content perfect, further



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they were there at department level winners were at the institute level. For the first time jury were from our partner colleges, nine partner colleges in all being there. So 12 judges were there and therefore it was all from an external participation was there to judge the students and they have given very good inputs, because students had a good interaction with the faculty outside and the good practices there.

As a part of our student bodies, all our professional body council, club bodies, everything has been formed and the planning of the activities of the semester has been done and submitted. Future course of action is implementation of the activities that they have submitted as a part of academic calendar.

Reappointment of our counsellor is done, who is the same person who has been supporting us now he has been supporting us in online more for the new academic year; anti ragging committee formation has been initiated. Principal's address for the TE and BE students has been completed. There are certain opportunities for the students other than the EDC and the government of scholarship for the scholarship under the trust and other philanthropist, process for the same is been initiated and consolidation of the request by floating the forms as well as inviting the applications is going on. Dr. R. R. Sedemkar also pointed out that student services and support is largely handled by Dr. Lochan Jolly, however she is also supported by Training and Placement (TNP) cell and HOC cell largely. He then requested the respective heads if they would like to add anything more.

Dr. Anil Kumar Singh suggested that the support to academically weak students also needs to be listed in a careful manner without letting such students feel that they are academically weak. He also added that the initiative of Principal's address to students needs to be coupled with some kind of an orientation especially for newly admitted students. Here, the departments can play a vital role wherein after Principal's address, students can go to various departments and the departments can then acclimatize and orient them for a couple of days. Lastly he also expressed that the term 'defaulter' should not be used while highlighting students with attendance less than 75% as was seen while going through few reports during the audit.

Mr. V.N. Dutta enquired if the outreach programs by students fall under the domain of work of Dr. Lochan Jolly to which she replied affirmatively that the outreach programs used to be conducted in physical mode prior to the pandemic. However, with the ongoing pandemic, the same programs are being conducted in the form of workshops in online mode. She also highlighted that presently the outreach programs are being conducted in collaboration with two schools which will materialize in some time now, however in the last semester one such workshop was conducted in online mode for a school in Noida, India through TCET's Rotaract club as it was under the STEM initiative and was the flagship project of Rotaract club. The Rotaract club for the first time also had an interaction with the Rotaract club of Brazil, the first attempt to connect with fellow members internationally. Lastly she mentioned that Dr. Vivek Mishra has recently been appointed



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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 195<sup>th</sup> in NIRF India Ranking 2019 in Engineering College category

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head of outreach work and he has also been working diligently to conduct various programs and courses.

Mr. V. N. Datta further suggested if our students can come up with some activities of enlightening the public through media about the necessary precautions that need to be taken in the current pandemic so that people become aware of the need to control the spread of the virus. To this Dr. Lochan Jolly added that last semester in Activity Based Learning (ABL), given the theme of 'Society/Social belonging', students have made wonderful videos on mental health and posted on YouTube and written blogs on social issues as part of ABL activity. Students under EWT body are helping to teach street kids in collaboration with an NGO 'We Can'. Students also interned with this NGO to develop the study content and make teaching more impactful during the pandemic.

### Actionable points:

- a) To provide opportunity for the students other than the EDC, government scholarship where the new type of scholarship under the trust and other philanthropist has begun to which students are being made aware of by inviting the applications from them.
- b) To provide a mechanism to be developed to support the academically weak students and address their needs that are listed in a careful manner without letting such students feel that they are academically weak or as defaulters.
- c) To encourage students to come up with some activities of enlightening the public through media about the necessary precautions that need to be taken in the current pandemic.

### 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, majority of the work is completed and the pending part regarding small finishing works in the classrooms and laboratories will be completed by 15<sup>th</sup> August so that the college can start in the physical format as and when required. He further mentioned that for academics it's decided in the internal meeting that institute will be working upto 03:30 pm daily and beyond that is meant for co and extracurricular activities for the students which will be considered as 100 points activity. And these activities will be for the students and by the students, thus having holistic development not only by the teacher but also by the cell or maybe the peer group.

### Actionable points:

- a) To conduct Co and extracurricular activities for the students after 3.30pm which is considered to attain 100 points activity



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

One day National Symposium on NEP 2020 - Opportunities for stakeholders was conducted on 27<sup>th</sup> of April 2021 as an initiative of IQAC. Academic Audit was conducted on 27<sup>th</sup> July 2021 for two academic years 2019-20 and 2020-21. Dr. Payel Saha informed that NBA work which is due for 2022 is been initiated and department have identified the team's criteria wise. Dr. Harshali Patil said that infrastructure and library facilities are being provided through NDLI club membership facility. ES&H dept also conducted the mock CET exam for students passing 12th standard with the intention of preparing such students before the actual CET exam. Mechanical department has been working on completion of curriculum scheme for mechanical and mechatronics engineering and additive manufacturing for the present quarter.

#### **Actionable points:**

- a) To complete NBA SAR work which is due for June-2022, by initiating and identifying the faculty team's criteria wise. Meanwhile the pre-qualifier is to be completed with dept. data & same is uploaded on NBA portal.

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

In the last quarter, process of regulation of resources for second year, including the GATE syllabus is been initiated as informed by Dr. Payel Saha. Dr. Harshali Patil informed that regarding the curriculum aspects, many latest trends in the subjects are introduced. Dr. Bijith Markarkandy informed that several online tools like Kahoot padlets were used. Debates over zoom breakout rooms were conducted. Materials on ERP and Google Classroom were uploaded.

Dr. Sheetal Rathi informed that many webinars were arranged for the students in online mode. As far as outreach programs are concerned, Dr. Sunita Pachori mentioned that the dept. firstly organized a 5 day STEM PROMO event in which students passing 11th and 12th standard have participated in huge numbers and got extensive knowledge on the engineering curriculum being offered. Dr. Seema Jagtap highlighted about the faculty members participating in different STTPs, FDPs, webinars etc. in order to hone their knowledge and skills further. Dr. Siddhesh Sidappa mentioned that open access to e-books and e-journals through KNIMBUS was done.



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### **Actionable points:**

- a) To increase open access usage for better learning in pandemic situation, the students are informed to enhance use of e-books, e-journals through KNIMBUS resources

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

Dr. B. K. Mishra informed all that regarding the strategic goal, which is based on our perspective plan which was developed long back in 2013, after autonomy, within three years, we have to apply for the deemed university or the private university and we are working and soon we'll be completing the process at our end and submit our application

Dr. Payel Saha informed that preparations for conducting in the physical mode starting from 16<sup>th</sup> August are done, plans for conduct of lab sessions in the physical mode and infrastructure requirements are proposed. Collaboration with other universities from other states in future for the student group projects are been looked forward. In this regard talks with Dr. Himadri Nath Saha, head of computer department, SNEC, Calcutta University are on. He has expressed his wish to guide on projects our students. Three such groups are been identified to be working in a collaborative mode between TCET and Calcutta University. Dr. Bhave suggested that inputs as given by Dr. Payel Saha regarding activity of project guide sharing has to extend across other departments

Dr. Harshali Patil informed that a Technology Conference in the month of November is planned. A national level coding competition and Hackathon competition are also planned.

Dr. Bijith Markarkandy said that for the next quarter, all the resource material are identified that will be completed and uploaded in ERP and also Google Classroom. Project ideas will be from the broad areas which were discussed in TV 2035. Consultancy work will be strengthened. Specialization team have been promoting this MOOCs platform to a large extent which will be continued in the next semester. There is a focus on increasing H index and I index for faculty members, and in house internship for enhanced in house internship for that is social as well as industry internship.

Dr. Sheetal Rathi said that in the next semester, definitely focus is on certain specific domains or specializations for the PG student, and research based activities for the PG students so that they are able publish good papers.

Dr. Sunita Pachori said that As far as strategies to implement future plan is concerned, the ES&H dept. will also be organizing the TECH INNOVA event with an innovative though process alongside 2-3 more events whose preparation in ongoing. An orientation about specialization



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programme was also conducted for first year students by the various departments, the outcome of which is that 500 out of 878 students have opted for specialization programs.

Dr. Seema Jagtap mentioned that the dept. is preparing towards organizing a technology conference on 'Green Technology and Sustainability' in November 2021. The dept. is also awaiting the NBA visit for which it is completely prepared.

Dr. Siddhesh Siddapa said that faculty members will be encouraged to pursue PhD, enrol for relevant domain advancement training in the industry, upgradation of the laboratories considering the introduction of the new courses, promote faculty members to publish research papers in good quality SCOPUS journals etc.

Dr. S. C. Patil said that the ELEX dept. has decided to take a review of the R&D work done by all, encouraging them to publish books through chapter writing etc.

### Actionable points:

- a) To plan a strategic goal which is based on institute perspective plan which was developed long back in 2013 that after autonomy within three years, institute shall apply for the deemed university or the private university. Institute is completing the process to submit the application.
- b) To collaborate with other universities of other states in future for the student group projects which is in process.
- c) To encourage faculty members to pursue Ph.D., enrol for relevant domain advancement training in the industry, upgradation of the laboratories considering the introduction of the new courses.

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

With discussions covering all agenda points done with, Dr. R. R. Sedamkar then informed that the platform was now open for suggestions if any. Mr. Sharad Tiwari applauded the work being done and the good initiatives being taken especially courses like cloud computing etc. that was mentioned by the Vice Principal which gives a highly futuristic appeal. However, he suggested that such newly introduced courses should give the added advantage of certification being granted to students so that this could be an add-on to students resume along with the degree.

Dr. Sedamkar also requested the student representatives present to give their inputs as they are the ultimate beneficiaries. Student representatives had only positive feedback to give and no specific suggestions as such. Mr. Neeraj Yadav also had only positive feedback to give and appreciated the work being done post autonomy. Mr. V. N. Dutta suggested organizing a periodic forum for all departments to share their ideas, views, contributions etc. with other departments so



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that all could get educated about the several initiatives being taken. As students skill set & employability is what the institute is working towards, a common platform where the TNP head could discuss with members of all departments so that lacunae if any could be identified needs to be thought of too. Training towards entrepreneurship also needs to be looked upon.

Dr. Anil Kumar Singh highlighted that the innovative work that the departments have done or plan to do are not very specific but very abstract. Being specific in the work being done will help especially when someone from outside the institution wants to understand the innovative work being done within the institute. The need to take editorial corrections from the report of various departments being submitted is also of extreme importance. He lastly appreciated head of all departments, IQAC and Principal for putting efforts in implementing rigorously whatever is being told.

Dr. Sedamkar appreciated the inputs given by Dr. Anil Kumar Singh and Mr. V. N. Dutta and guaranteed that the various departments will take progressive actions in the near future. He thanked all especially external members for giving valuable inputs. He thanked the team for preparing the required action taken reports and said that there is still scope for improvement in the documentation of the same. He informed to all the AQAR for AY 2020-21 is in progress and will be sent to NAAC on completion before 31st December 2021. UGC report shall be modified as per suggestions given by the peer expert review team and the modified report shall be sent personally to them for their final approval after which it will be forwarded to UGC.

### **Actionable points:**

- a) To the newly introduced courses the added advantage of certification is to be granted to benefit students so that it could be an add-on to students resume along with the degree.
- b) To improve on the innovative work that the departments have done or have planned to do are not very specific but are very abstract, needs improvement.
- c) To organize periodic forums for all departments to share their ideas, views, contributions etc. with each other.
- d) To discuss the lacunae of placements the TNP head needs to be identified with regards to students' skill set & employability with members of all departments.
- e) To take editorial corrections from the report of various departments being submitted to update the academic performance audit report.



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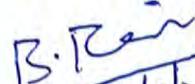
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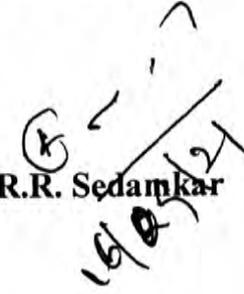
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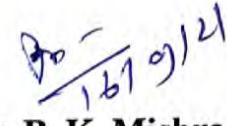
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