



Zyglia 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

Website : www.tcetmumbai.in

**Minutes of the meeting held on 16.10.2021 on zoom platform with Principals of
Student Exchange Partner Institutes**

The following External dignitaries were present for the meeting:

1. Dr. N. Suthanthira Vanitha, Dean- Quality Assurance, Muthayammal Engineering College
(Student Exchange Program Faculty In Charge)
2. Dr. S.Sundharam , Dean, Muthayammal Engineering College
3. Prof. Pranav Thakur, Deputy Registrar, Finolex Academy Of Management And
Technology
4. Dr. Radhakrushnapadhi, HOD Chemical Engineering, Giet University **(Student Exchange
Program Faculty In Charge)**
5. Dr.Girish Govind Bhide, Information Technology, Associate Professor, Finolex Academy
Of Management And Technology **(Student Exchange Program Faculty In Charge)**
6. Mr. Abhishek N. Nazare, MCA, Assistant Professor-Student Exchange In-Charge, Kls Gogte
Institute Of Technology **(Student Exchange Program Faculty In Charge)**
7. Dr. Sarita V Balshetwar, Daulatrao Aher College Of Engineering, Computer Science And
Engineering, Associate Professor **(Student Exchange Program Faculty In Charge)**
8. Ms.Ujwala Sampat Tambe , Information Technology, Assistant Professor,
KBTCOE**(Student Exchange Program Faculty In Charge)**
9. Mr. Mahesh Jadhav, Faculty, Finolex Academy Of Management And Technology
10. Mrs. Sudha G., Faculty, Muthayammal Engineering College

The following Internal dignitaries were present for the meeting:

1. Dr. B .K .Mishra, Principal ,Thakur college of engineering & technology
2. Dr. Megharani Patil, Activity Head-NIP, Associate professor in Computer Engineering
department ,Thakur college of engineering & technology
3. Ms.Niki Modi , NIP faculty Co-ordinator, Assistant professor in Computer Engineering
Department, Thakur college of engineering & technology

4. Mrs.Jalpaben Bhatt , NIP faculty Co-ordinator, Assistant professor in ELEX Engineering Department, Thakur college of engineering & technology
5. MrRahul Neve , NIP faculty Co-ordinator, Assistant professor in ITEngineering Department, Thakur college of engineering & technology

Agenda Points-

1. To brief you about EBSB Student Exchange Program AY 21-22 Odd Semester.
2. Planning for upcoming EBSB student exchange programs of AY 2021-2022 Even Semester.
3. Enhancing the participation of students and faculty members in Student Development Program and Faculty Development Program organized by Partner Institutes.
4. Identification of student ambassador (GS) for student exchange program.
5. Exchange of faculty members as Experts/Examiners for various institute activities.
6. Collaborative work that we can start.
7. Sharing of valuable inputs to strengthen Student/Faculty exchange program.
8. Any other point not covered in Agenda.

Principal mentioned that there must be active research in the campus and we have to go long way for R & D activities and R & D activities are to be strengthened particularly w.r.t. publication and if we could collaborate and collaboration will bring diversity and it will bring lot of new things which can be integrated with publication content and will become truly national content and publication will increase. It should not be limited to student's activity but it should be beyond that. He also mentioned that once the people are vaccinated, people can move and in that process your students and people can visit our institute and vice-versa. Some seminars, Webinars can be conducted and people can be taken on board of various bodies, our institute can also include them. Regular activities can be conducted online but as and when required we can visit the campuses. Now that we are meeting virtually but when we meet physically things will be better. Principal requested Dr. Megharani Patil to proceed with the Agenda Points.

Dr.Megharani Patil

Agenda No.1 – To brief you about EBSB Student Exchange Program A.Y.2021-2022 Odd Semester

- She informed the members about the activities conducted during the semester and mentioned that the last activity was essay and poster competition on 16.10.21.
- She informed the members about the partner institutes of current semester-
 1. Maratha Vidya Prasarak Samaj's Karmaveer Baburao Ganpatrao Thakare College of Engineering, Nashik

2. KLS Gogte Institute of Technology, Belagavi, Karnataka
3. Lal Bahadur Shastri College of Engineering, Muliyar PO Kasaragod, Kerala
4. Muthayammal Engineering College, Rasipuram, Namakkal, Tamil Nadu
5. Vardhaman College of Engineering, Hyderabad
6. GIET University Gunupur, Odisha
7. Government Engineering College, Bihar
8. Vikrant Institute of Technology and Management, Madhya Pradesh
9. Garden City University, Bengaluru, Karnataka
10. Finolex Academy of Management and Technology
11. IPS Academy, Institute of Engineering and Science
12. Dr.Daulatrao Aher College of Engineering

Objectives of Student Exchange Program AY 21-22 Odd Semester

- 1) To develop a platform for students to learn collaboratively with other institute students knowing emerging technology, modern tool usage, to solve societal and environmental problems, project management and professional ethics.
- 2) To give students an exposure to the skills such as team work, communications and lifelong learning.
- 3) To adopt the national initiatives under EBSB: Students exchange program at institute level.

Summary of Student Exchange Program AY 21-22 Odd Semester

- 1) Started on 7th August 2021, first activity was Academic Exchange Program that is Webinar for knowing emerging technology and building leadership ability for budding engineering.

There were four tracks:

1. Artificial Intelligence and Machine Learning
2. Artificial Intelligence and Data Science
3. IOT
4. Leadership Development

There were 1.5 hours' duration session followed by Question & Answer and doubt solving done by TCET faculty members.

Total 247 students successfully completed the program: 15 students from GIET University, 66 from TCET, 52 from LBSCE, 32 from GEC, 14 from KLS GIT, 48 from MEC and 20 from KBTCOE.

- 2) Started on 1st September 2021, the second activity was Collaborative Research Activity.

18 groups are formed where each group consists of students and mentors from TCET and partner colleges for writing collaborative research papers by taking problem statements from TV 2035.

Here, 12 groups were from MEC, 4 groups from KBTCOE, 1 group from DACOE, 1 group from GEC participated. This is under process semester and an e-commerce is scheduled for students to submit their papers (in MULTICON).

3) The third event was Debate Competition which was on 18th September 2021.

There were two tracks:

1. Technical Debate: Core Engineering Branches Vs Emerging Engineering Branches.
2. Non-Technical Debate: Language Neutral Education Vs Education in English.

Debate competition were conducted in online mode using zoom platform. Prizes (winner and runner up) were declared in both tracks.

Total 18 groups participated: 5 from TCET, 1 from GIET University, 7 from MEC, On 1 from KLS GIT and 4 from KBTCOE.

4) On 16th October 2021, fourth event was conducted that is Dissemination of Information about paired state (Poster making and Essay Writing Competition).

This competition was conducted in online mode using zoom platform. Poster and Essay included culture, living styles, food habits, social customs and any other aspects of social and cultural affairs.

Here, 16 participants participated: 2 from TCET, 4 from GIET University, 5 from MEC, 1 from KLS GIT and 4 from KBTCOE.

Followed by all the activities, the summary of **Faculty Exchange (Judge/Expert/Examiner)**

Exchange of faculty members for various Institute Programs/Activities as a judge or an expert faculty and examiner for faculty for Institute Exams.

- Progressive India 2021 (TE BE Students): judges from partner universities were invited. The judges were 4 from GIET University, 3 from MEC, 3 from KLS GIT and 1 from Garden City University.
- Debate Competition: 2 judges from FAMT, 1 judge from MEC and 1 from KLS GIT were invited.
- Dissemination of information about paired state (Poster making and Essay Writing Competition): Here, 1 judge from DACOE and 1 judge from MEC were invited.
- ME E&TC Seminar: 1 examiner from MEC was invited.

This marks the end of agenda 1 and current semester activities.

Agenda 2 is planning for upcoming EBSB Student Exchange Program AY 21-22 Even Semester.

At TCET level, planned set of activities were discussed.

- Intercollegiate Hackathon
- Collaborative Research Activity (started in this semester)
- Gusto Cultural Event
- Azadi ka Amrut Mahotsav Ayush Ministry (Webinar on Health and Hygiene) will be conducted in next semester
- Faculty Exchange as Expert for Hackathon, Gusto and Speakers for NEP FDP program, etc.

On discussion, Dr. Girish Govind Bhide suggested that experienced faculty members should be invited to deliver lectures on certain selected subjects such as speech processing, etc. by preparing clips and circulating them to students. Also, one-day workshop session could be useful for students if faculty members with more than 15 years of experience could share their experience with the students.

Dr. N. Suthanthira Vanitha informed us that we organized number of events and activities such as poster representation, debates, collaborative research activities, etc. in the previous semesters. So, based on that information, she suggested that there should be some more events for faculty members like think for book chapters, combining it for study purposes which would help to add more activities like patent publishing and some of the research paper writings. This, not only students but also for faculty members can be conducted. In addition to it, software related workshops can be organized because many faculty members have expertise in that area, helping them to share their knowledge with students. Instead of connecting the events to work collectively, hands-on training sessions can be conducted.

To that, Principal TCET mentioned that two institutes are having expertise in that particular field and therefore, it is to be explored with other partner institutes and to do so, special investigation groups can be formed to find out their expertise and organize the events on the basis of that investigation. This could strengthen the domain and both the ends and then, whatever tools are required for events to be carried out and research to be carried out, there is a scope to explore in that direction. Along with that, a slot can be fixed up in a week or a duration of 15 days when regular meeting can be fixed to meet and discuss the various issues and research related queries, along with education training and R&D activities which could become the assigned activities to the special investigation group.

He instructed Dr. Megharani Patil to collect the area of expertise of partner institutions and then, they can do the grouping of special investigation group for each one of the institutes. This would help to start the collaborative education training and research activities

including developmental planning and create pool. Some seminar is required. He enquired whether CRO functional generator is used. To this Dr. N. Suthanthira Vanitha replied that they are using APLAB is very popular in India and he informed that Dr. Prabhakar Deodhar will deliver a talk on the topic "India, Quality Research Culture with Sharp focus on finding better solutions" on 22nd October 2021 at 12.00 noon and invited all the partner institutes to join the event. He informed the members that Dr. Deodhar is the right person since he was advisor to Rajiv Gandhi Institute of Technology for Science and Technology. Lot of research areas will emerge out since he is having practical knowledge and fellow member of Institute of Nuclear Energy Research.

Dr. Megharani Patil informed Dr. N. Suthanthira Vanitha that she has shared one book chapter and Dr. N. Suthanthira Vanitha replied that she has gone through it and if it is related to Scopus Index/Web Science, it will be useful for faculty members. Principal mentioned that in most of the cases people publish the book and then they go for indexing. There will be quality check at publication house and then if it is found that it can be apply for Scopus index then only the person can apply. He mentioned that CRC press is publishing the book chapter the IEEE conference that is how the concept of book chapter has started. The book chapter which we have written for publication house. He requested the partner institute to write book chapter. He informed them that the concept for journal is different and for book chapter it is different. He informed the members that we are in the process of editing a forthcoming publication entitled "Security, Privacy and Applications of Internet of Things", to be published by AAP (Apple Academic Press), an international publisher of progressive academic research. It will come in month of February which was completed last year. The book will be available in the market. It will be in international circulation and not only in India. AAP is having its own reputation. We have 12 chapters each chapter must be around 25 pages.

Dr. Radhakrushnapadhi mentioned that they are constantly receiving all the programs from our side and the students are joining the program but sometimes 100% student's participation is not possible due to examinations. If possible the programs can be scheduled in such a way that all colleges can participate which is definitely a difficult task. He appreciated that the concept of research and joint research will be very beneficial and it can be initiated. Principal suggested that all the colleges can share their academic calendar and common slot can be taken and accordingly program can be arranged so that there will not be any burden on any institute. There can be 12 programs for 12 institutes and each institute is taking up one program as per time slot common to all that will improve the participation. Dr. Radhakrushnapadhi agreed to the views of the Principal. Principal mentioned that TCET is following the academic calendar of AICTE. Academic of odd semester is from 1st July and get over in November and even semester 1st Jan and get over in April.

Agenda 3 Enhancing the participation of students and faculty members in Student Development Program and Faculty Development Program organized by Partner Institutes.

One of the member informed that students are likely to join the campus from 20th October and therefore participation will increase.

Ms.Ujwala Sampat Tambe thanked all the members of TCET. She mentioned that their students are more interested in the programs after their SE year started one of the group got the prize in competition and their college will also start from 20th October and surely there will be more participation.

Dr. N. Suthanthira Vanitha mentioned that already their students are participating and she will definitely think of increasing the strength in all events.

Agenda 4 Identification of student ambassador (GS) for student exchange program.

Dr.Megharani Patil invited suggestions from members for this particular agenda. She was of the opinion that if the faculty shares any notices in this regard it will not be more effective and if shared by the student it will be more effective. Therefore, it is decided to keep one student ambassador (GS) for student exchange program by each partner colleges who are in GS position. They can form the groups and convince their peer students for participation in various activities.

Prof. Pranav Thakur mentioned that Dr.Bharadi is IT incharge and he will check/ discuss with him and he will let us know. All student coordinator will form Whatsapp group and the programs will be shared through students for better participation

Mr. Abhishek N. Nazare appreciated the GS part is a good initiative since the students will directly interact and the message will reach to maximum students and we will be focusing on that and selecting one student coordinator for this particular program.

Ms.Ujwala Sampat Tambe replied that they will do the same

Dr. S.Sundharam replied that it is better that everyone has the coordinator. It will be easy to communicate and will have smooth functioning. He was of the opinion that each one must follow that.

Principal mentioned that there must be two level communications that is one with faculty and other with the students. This will improve efficiency. He mentioned that some time we

are not able to devote much time due to some other work such as examination etc and therefore this will help as second line that is the student will inform the faculty member about the work done for participation which is the basic objective of identifying student coordinator.

Principal mentioned that we will have two level communications that one is faculty and other is student.

Agenda No. 5 Exchange of faculty members as Experts/Examiners for various institute activities.

Dr.Megharani Patil mentioned that TCET has already started with this and requested other institutes also to Exchange of faculty members as Experts/Examiners.

Principal mentioned that this point is made a part of agenda because today we have the local examiners and university and there is no much diversity in the examination process. People are tested based on university syllabus and there is nothing beyond curriculum things asked so looking into that we thought of bringing some examiners at national level so that we will get an idea if some subject is common between us and the chapters, topics, content may not be common and that will bring the diversity to the examination system and it will help to improve the curriculum is the basic objective. The important part is we will be able to bring uniformity at national level or our graduates. Today the diversity is counted as per the students admitted in the institutes from the different states and different countries and on that front we are losing since our 99% students are local students. If this mode is adopted, then we can write to AICTE or other regulatory bodies that this is the other way to bring diversity where the institutes are working with constraints that is the basic objective behind it. The most important thing is the relations between the national level institutes will also get established. So he requested that there must be more and more faculty members should be part of this so that there will not be only local people on the board but also national level people. There can be examiners and also if it is possible paper setters also can be part of this Exchange of faculty members so that students can be tested at national level. There may be constraints since they may be working as affiliating institutes. It may be possible in case of private, deemed university and autonomous institutes. For affiliating institutes there are projects, mini projects, practical/oral/viva and synopsis for VII semester etc. We have to see how it can be explored. He requested other institutes to kindly prepare the list of your faculty members so that we can include in our examiner panel, speaker panel since TCET conducts webinar/seminar every semester as per academic calendar and we invite the local experts but if this is explored national level experts can be called.

Suggestions were invited

1. Dr. Girish Govind Bhide mentioned that for Sem VII, VIII projects it is definitely possible and it can be extended further may for mock examination so that students can be trained by utilizing experts from other colleges. Principal mentioned that mock is good suggestions since their involvement of university guideline will not be there. Dr. Girish Govind Bhide mentioned that burden of marks will not be there and students will come to know about the quality of project prepared.

Principal shared the initiatives started at TCET

- Provide competitive edge to the students. Expectation is to write the exam at program level for all the exams completed up to V semester and within a gap of 15-20 days test the students for all the subjects learnt from SEM-I to SEM-V. It will help in NBA requirement where there is attain level for program outcome. It will get simplified since we need not go for subject wise. We can test the students for 15 questions and these marks will not be counted for their class, grade or mark sheet but only to show them their level of competency.
2. Dr. S. Sundharam suggested that events can be organized at the start of the semester so that we can plan regarding seminar/webinar and clear picture of when the examination will start and pick up our expertise in question paper setting, project etc. We can go ahead. Principal mentioned that for internal test there is no control of university. External can be from partner institutes. Principal also mentioned that this can be shown as innovative teaching learning methods which are the requirement of NBA. Curriculum design and aspects as per NAAC. It will also help in autonomy since every year we have to carry out the academic audit and report is to be submitted to UGC.

Agenda No. 6 Collaborative work that we can start.

Dr. Megharani Patil mentioned that we have already started collaborative paper writing. Principal mentioned that paper setting, guest lectures, project guidance can be explored can be included in collaborative work.

Dr. S. Sundharam mentioned that UHV program has come out with 100 destinations from MHRD. We can identify those and once the protocol is relaxed we can look forward for that. Travelling becomes much easier. They have informed that we can visit the places, generate a report on that. Principal mentioned that those places also we can interact and have some common deeds. Trip can be arranged and we can meet at some spot with common interest.

Principal has mentioned that our 10 students and two faculty members will be going on Study Tour of ATAL TUNNEL under the AICTE Youth Undertaking Visit for Acquiring Knowledge (Yuvak) Scheme from 19th -26th October 2021 to Chandigarh. From GIET also 10 students and 2 faculty members planned for study tour.

Agenda No.7 Sharing of valuable inputs to strengthen Student/Faculty exchange program.

Already this is covered in Agenda 2-6 in one or another aspect.

Principal suggested that agenda points should remain same and only content should change.

Members were invited for concluding remark

1. Dr. N. Suthanthira Vanitha mentioned that compared to previous meeting this time it was very good agenda. She appreciated the concept of sharing the faculty members for board of studies, examiners and it is a very good initiative by TCET. They will cooperate for upcoming activities and collaborative research activities. She suggested that some mini projects and idea competition need to be arranged. Student strength to be limited when jury/experts are invited for any poster presentation, seminars, workshop. Because for today's poster presentation for 18 students there was one jury. Principal suggested that number of jury can be increased or 3-5 students under one jury.
2. Dr. Girish Govind Bhide thanked TCET team and management for giving the opportunity to become partner institute, collaborative programs. He mentioned that there were not participation from their institute since they were busy in NBA, NAAC uploading of data. He assured that from this time there will be more students and faculty participation. He has requested to arrange a small meeting to brief all HODs about the collaborative programs which will help him as per our convenience.
3. Dr. Sarita V Balshetwar, Karad, Daulatrao Engineering college appreciated collaborative research work and activities shared for this semester and looking for next semester activities. She mentioned that this time the participation was less due to online ongoing semester. She mentioned that once the students come to the institute research work will become more effective. The agenda which is discussed is good for the students. She liked the point of student ambassador. She mentioned that we were discussing about collaborative research work, involvement of faculty exchange, quality improvement and we were not concentrating on the role which will be played by the students other than research activities. Therefore, she appreciated the student ambassador agenda point. She felt that we must come up with some entrepreneurship development skills and concentrate on IPR subjects in next semester.
4. Dr. Radhakrushnapadhi appreciated the point of student ambassador since things are told to Principal and may be due to busy schedule things are missing so student since it is their program and if they are made ambassador they will feel proud and privileged so they will actively get involved and therefore he agreed to the concept of choosing one student from each institute. There will be better communication and better outcome. We will definitely implement this.

Principal informed Dr.Megharani Patil to work on the inputs received and points can be circulated and whatever suggestions have come you must ensure that it will strengthen the exchange programs and see to it how it will be feasible in physical format.

Meeting ended with vote of thanks to all the partner institutes for getting associated with TCET. We must work together for getting with par with excellence.

Dr. B.K. Mishra
22/10/21
(Dr.B.K.Mishra)
Principal