ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Nelson Mandela Marg, New Delhi 110 067

Minutes of the 49th Meeting of the Council held on March 14, 2017 at 11.00 am in the Bhaskara Meeting Room, First Floor, Wing 4, at AICTE Headquarters, Nelson Mandela Road, Vasant Kunj, New Delhi:

Members present:

1.	Prof. A.D. Sahasrabudhe Chairman, AICTE	Chairman
2.	Dr. M. P. Poonia Vice Chairman, AICTE	Member
3.	Shri R. Subrahmanyam, Additional Secretary, MHRD	Member
4.	Dr. N.M. Kondap Chairman, WRC, AICTE	Member
5.	Prof. S.C. Saxena, Chairman, NRC-AICTE	Member
6.	Dr. B.B. Ahuja, Chairman, AIB-VE	Member
7.	Prof. V.S. Sapkal Chairman, AIB-PGERT	Member
8.	Sh. A. Mukhopadhyay Adviser, Deptt of Science and Technology	Nominee, Secretary, DST
9.	Sh. Mohanbir Singh Sidhu Additional Director, (TE), Govt of Punjab	Nominee, Secretary, (TE), Govt of Punjab
10.	Shri Anil Ajmera Joint Director, TE, Govt of Rajasthan	Nominee, Secretary, (TE), Govt of Rajasthan
11.	Shri Vijay Garg Vice President, Council of Architecture	Member
12.	Shri Sunil Paliwal Principal Secretary, Govt of Tamil Nadu	Member
13.	Prof. Furqan Qamar Secretary General, AIU	Nominee, President, AIU
14.	Shri P.K. Desai President, ISTE	representing ISTE
15.	Prof. A.P. Mittal Member Secretary, AICTE	Member Secretary

Secretary, Higher Education, MHRD; Dr. R. Rudramoorthy, Chairman, SRC–AICTE ;Prof. Sabyasachi SenGupta, Chairman, ERC-AICTE; Prof. Sathans, Chairman, AIB-TE, AICTE; Prof. M.R. Ravi, Chairman, AIB-UGET; Prof. Jannat Shah, Chairman, AIB-MS, AICTE; Joint Secretary & Financial Adviser (HRD);Secretary, TE, Mizoram; Secretary, TE, Nagaland; Secretary, TE, Odisha; Secretary, TE, Puducherry; Secretary, Technical Education, Sikkim; President, PCI; Director General, NPC;

Chairman, UGC; Director General, IAMR, New Delhi; Director General, ICAR, New Delhi; Director General , CSIR could not attend the meeting due to their other engagements.

Special Invitees :

1.	Shri Pramod A.Naik Joint Director, DTE, Govt of Maharashtra	Representative of Secretary, (Technical Education), Govt of Maharashtra
2.	Ms. Punya Srivastava Secretary (Higher and Technical Education) Govt of NCT Delhi	Invitee
3.	Shri H. U. Talwar Director, Technical Education Govt of Karnataka	Representative of Secretary, (Technical Education), Govt of Karnataka
4.	Shri Manpreet Sing Gujral The Principal Secretary Govt of UT-Chandigarh	Invitee
5.	Shri V. Kumar The Principal Secretary (Higher & Technical Education) Govt of West Bengal	Invitee
6.	Shri Sunil Paliwal The Principal Secretary (Higher & Technical Education) Govt of Tamil Nadu	Invitee
7.	Shri Anant Kumar Joint Director, (Technical Education) Govt of Bihar	Representative of Secretary, (Technical Education), Govt of Bihar
8.	Shri S. S. Bajaj Comm. Cum. Secretary, Technical Education, Govt of Chatissgarh	Invitee
9.	Shri Ajay Kumar Singh Director, Technical Education, Govt of Jharkhand	Representative of Secretary, (Technical Education), Govt of Jharkhand
10.	Shri DR. Veremdre Kumar Director, Technical Education, Govt of Madhya Pradesh	Representative of Secretary, (Technical Education), Govt of Madhya Pradesh
11.	Shri P. R. Dave Joint Director, (Technical Education) Govt of Gujarat	Representative of Secretary, (Technical Education), Govt of Gujarat
12.	Shri Sanjay Goel Secretary (Higher and Technical Education) Govt of Goa	Invitee
13.	Shri Shailendre Singh Resident Commissioner, Govt of Tripura	Invitee
14.	Shri Rajbir Singh Executive Director (JAB), CBSE, Delhi	Invitee

At the outset, the Chairman, AICTE Prof A.D. Sahasrabudhe welcomed the members of the Council and representatives of States / UTs invited to the Council meeting to discuss the agenda on quality issues in technical education and their solutions. The Chairman briefed the members about the background of initiating such steps by AICTE viz. multiplicity of examinations, present status of employability of pass out from engineering colleges and status of quality in school education in various States / UTs. He further emphasized on the need to introduce mandatory internship for students to improve employability and industry interaction and also regular faculty development training, to improve teaching - learning processes in technical institutions. He informed the initiatives taken by AICTE to

improve quality of technical education through various schemes such as MOOCs, Adjunct faculty scheme, Smart India Hackathon and also AICTE's Startup Policy. Thereafter, Shri R. Subrahmanyam, Additional Secretary, MHRD endorsed the views expressed by Prof. Sahasrabudhe and added that out of 7-8 Lac graduates passing out from Engineering colleges and only one third are employable, and only 50% join in their core areas of study. Thus there is a national loss of investment, men-hours and efforts made by the education system. Therefore, he emphasized the need to develop a comprehensive plan for proper planning on supply-demand through prospective planning by all States/UTs for next 10 years.

Thereafter, formal Agenda Items were taken up and the following matters were considered, deliberated upon and decisions taken are as under:

Item No. 49.01.01	:	To confirm the minutes of the 48th meeting of the Council held on January 11, 2017.
		The Council confirmed the minutes of the 48th meeting of the Council held on January 11, 2017.
Item No. 49.02.01	:	To receive a note on action taken on the decisions taken and recommendations made in the 48th meeting of the Council held on January 11, 2017.
		The Council received the note on ATR on the decisions taken and recommendations made in the 48th meeting of the Council held on January 11, 2017.
Item No. 49.03.01	:	To consider and approve the Quality issues in Technical Education.

The Council deliberated at length on the issues and proposal constituting the quality in technical education. With a view to improve the standards of technical education and to provide competent technical manpower for the Make-In-India campaign, the Council approved the following package of measures to be implemented by all the technical institutions approved by the AICTE:

Objectives:

The following bench-marks are to be attained for the technical education as a whole:
1. To improve the employability of the students by imparting required skills and making them industry-ready.
2. To increase the percentage of students being placed from the current 40% to 60%.
3. To increase the percentage of programmes accredited from 15% to 50%
4. To ensure that at least 75% of the students participate in summer internships.
5. To build capacities of the technical institutions so that they can deliver on the above objectives.

Initiatives :

In order to achieve the above, the following initiatives would be implemented:
1. Mandatory internships: Every student in technical institution shall do three internships each spanning 4 to 8 weeks before completion of the under-graduation. The responsibility will be

on the institution for helping the students in finding suitable industry or organisation for the internship. Separate Agenda Item has been prepared for this and approval by Council for signing MoU with MSME and different bodies.

2. <u>Training of teachers</u>: Every teacher in each of the technical education disciplines shall mandatorily undergo an annual refresher course delivered through SWAYAM portal, encapsulating all the major advances in the field of their study. Online courses would also be prepared and delivered through the SWAYAM platform for improving the pedagogical techniques of the teachers. The participation in the courses by at least 50% of the faculty would be a mandatory condition for approval of the institution. Similarly, there should be leadership training for the heads of the institutions once in 2 years. These trainings would also be hosted through the SWAYAM platform. The Council approved the `Training Policy for Technical Teachers' which was placed as Annexure No. 49.03.01(c) in the Agenda. Further, the Council approved the Annexure No. 49.03.01(d) of the Agenda, where mandatory certificate course for teachers at entry level is proposed.

3. <u>Selection</u>:   The students for the technical courses shall be selected based on performance in the single National Entrance Examination for Technical Institutions (NEETI). The **All India Council for Technical Education Regulations for admissions in technical institutions through National Entrance Examination, 2017** is approved by the Council for admissions starting from academic session 2018-19. The Regulation stipulates single test, conducted multiple times, by an Agency authorised by MHRD; and bans conduct of such exam by any other institution or university or agency. This will ensure that the students taking the technical education courses possess minimum skills and aptitude required for the study.

The representatives of Government of Tamil Nadu and Government of West Bengal raised certain apprehensions stating that the reservations from various groups presently being followed and the domicile requirements for admitting students of the concerned states in their home state may be affected through the proposed single national test. It was clarified that the present system of reservations for various weaker sections of society and domicile requirement of a particular state will not be disturbed through the single national level test. It was further clarified that minimum weightage of Single entrance test will be decided by AICTE/MHRD through regulations and States/UTs will prepare inter-se-merit for admission in technical institutions under their jurisdiction. The States/UTs are free to impose any further criteria over and above the minimum weightage of the single national test for admission of students in the respective institutions under the jurisdiction of their state/UT. It was also resolved that central counseling shall be made available as a facilitation to state Governments and state Governments shall have the liberty to either join the central counseling or carry on counseling at the state level using the scores provided by NEETI. Section-wise scores would also be

made available by NEETI along with total score.

The Regulation in this respect was discussed and adopted. (Annexure-1). This would be legally vetted and then Gazette notification will be announced.

4. <u>Induction training</u>: Every student, on admission, shall be put through a mandatory Induction training to reinforce the fundamental concepts and the required language skills required for the technical education. The model curriculum and the periodicity of this induction training will be separately notified by the AICTE.

5. <u>Revision of curriculum</u>: Every affiliating Technical University shall constitute subject-wise industry consultation committee (ICC) with the mandate of examining the existing curriculum and for making suitable changes in the curriculum every year on the lines of outcome based education. This process shall be completed in the month of December each year for the courses to be offered in the coming Academic year. Each institution, while applying for approval, shall certify completion of this process, which will be mandatory.

6. <u>Industry readiness</u>: All students passing out of the undergraduate courses shall be imparted technical and soft skills required for working in the industry encompassing – managerial skills, entrepreneurial skills, leadership skills, communication skills, team-working skills and technical skills. Every institute shall create a separate cell for industry institute interaction and while applying for extension of approval shall submit action taken report.

7. <u>Promoting innovation/start-ups</u>: There shall be efforts at every level for promoting innovation and creativity in the students. The innovation drives like Hackathon shall be promoted, so that innovative ideas would emerge that can be incubated in the start-up centres. Every institute while applying for extension of approval shall submit proof of having incubated start-ups.

8. <u>Exam reforms</u>: The final exams being conducted by the institutions shall test the understanding of the concepts and the skill – rather than the subject knowledge. A model exam format would be prepared and shared with the institutions and the technical universities for suitable adoption. This aspect would be reviewed at the time of approval.

9. <u>Mandatory accreditation</u>: At least half of all the programmes in the technical institutions shall be accredited through the NBA before 2022. Unless there is credible progress each year, the approval of the institutions can be refused. In order to assist the institutions in meeting the mandatory requirements for applying for accreditation, a separate mechanism will be put in place.

10. <u>Planning</u>: Perspective Plans will be prepared for each State in consultation with the concerned State Government for assessing the demand-supply situation projected for the next 10 years. This will be a guiding document while approving new institutions by AICTE.

From S. No. 4 to 10 above, the Council suggested AICTE to prepare a proposal for funding to different institutes from TEQIP-III grant.

Each institution should prepare an action plan for implementing the above initiatives along with the financial implications before June 2017. Whereas it is the responsibility of the institution for funding this action plan, AICTE may, share a part of the cost of the above action plan @ not exceeding Rs. 100 per student per year.

Item No. 49.03.02 : To consider and approve extension of the duration of implementation period of AICTE – NEQIP Scheme (2013-16) up to March, 2018.

The Council deliberated on the proposal and approved extension of the duration of implementation period of AICTE – NEQIP Scheme (2013-16) up to March, 2018 for Polytechnics and Engineering colleges. However for degree level institutions no new proposal under this scheme shall be entertained but for polytechnics new scheme shall be implemented after completion of this project in March 2018.

Item No. 49.03.03 : To consider and approve the proposal for refund of processing fee incase the application for establishment of a new institution is not processed /and not processed beyond Scrutiny/Re-scrutiny level.

The Council after deliberations on the proposal, approved refund of processing fee incase the application for establishment of a new institution is not processed /and not processed beyond Scrutiny/Re-scrutiny level after deduction of Rs.50,000/- (Rupees Fifty thousand only) based on the request of the Society/trust for the same.

Item No. 49.03.04 : To consider and approve the matter of issuing EOA 2017-18, on the basis of Self–disclosure by the existing approved institutions.

The Council considered and approved the proposal of issuing EOA 2017-18, on the basis of Self–disclosure by the existing approved institutions. However the receipt of Affidavits of the institutes shall be ensured by the Regional Officers before issuing EOA.

Item No. 49.03.05 : To consider and approve implementation of Leadership Development Programme under UKIERI- Phase III and meet the expenditure from consolidated non plan fund of the Council.

The Council deliberated and approved implementation of Leadership Development Programme under UKIERI- Phase III and conducting programme at two different venues in India. The Council further approved that the expenditure may be met from the consolidated non-plan fund of AICTE.

Item No. 49.03.06 : To consider the matter relating to implementation of the judgment dated 12.01.2017 of the Hon'ble High Court of Kerala in WP No.39370/2016 for regularization of admissions made against NRI quota by Valiya Kavumbai Kulathamma College of Engg. & Technology, Kerala.

The Council after deliberations decided that an appeal may be filed in the higher bench of Hon'ble High Court of Kerala against the judgment dated 12.01.2017 of the Hon'ble High Court of Kerala in WP No.39370/2016 for regularization of admissions made against NRI quota by Valiya Kavumbai Kulathamma College of Engg. & Technology, Kerala.

Item No. 49.03.07	To consider the proposal for starting the new course in Part-time / (2nd shift) Diploma Course in Electrical & Electronics Engineering.

The Council deliberated on the proposal and did not approve starting the new course in Part-time / (2nd shift) Diploma Course in Electrical & Electronics Engineering. However, as a policy to restart the part time /2nd shift courses, the same may be referred to All India Board for Technician Education (AIB-TE), since there is a great demand for part time / 2nd shift courses in polytechnics. The recommendations of AIB-TE may be placed before the EC/Council for further decision.

Item No. 49.03.08	To consider and approve the release of Rs. 1,44,03,977/- to TISS-SVE as recommended by PEC.

The Council deliberated on the proposal and approved the release of Rs. 1,44,03,977/- to TISS-SVE as recommended by PEC. In addition to this, as per MoU, 50% of remaining balance amount shall be released.

Item No. 49.03.09	To consider and approve proposal to engage Micro, Small and Medium Enterprises (MSME) for providing internship for Engineering students especially SC/ST.

The Council after due deliberations approved the proposal to engage Micro, Small and Medium Enterprises (MSME) for providing internship for Engineering students especially SC/ST as well as PG students to whom scholarship is granted.

Item No. 49.03.10	To consider and approve incurring of expenditure out of the funds available with AICTE for release of grants in respect of critical items in anticipation of receipt of the funds from MHRD, New Delhi.

The Council approved the proposal and directed that concurrence of MHRD shall be sought before releasing the amount.
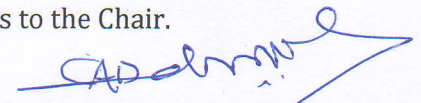
Item No. 49.04.01	To receive the information on the minutes of the Executive Committee (EC) meetings held since last reported in the Council meeting held on November 22, 2016.

The Council received the information.

The meeting ended with Vote of thanks to the Chair.

(Prof. A.P. Mittal)
Member Secretary

(Prof. A.D. Sahasrabudhe)
Chairman