

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH,
SECTOR-26, CHANDIGARH - 160 019**

**AGENDA FOR THE 20th MEETING OF THE ACADEMIC COUNCIL SCHEDULED TO BE
HELD AT NITTR, CHANDIGARH, ON 25th FEBRUARY, 2017**

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ITEM NO. A. 20.1 To confirm the Minutes of the Nineteenth Meeting of the Academic Council held on 11.07.2016

The minutes of the 19th meeting of the Academic Council were circulated to all the members for information. As no comments were received from any member, the minutes already circulated may be taken as confirmed. A copy of the minutes is enclosed at Annexure - I (page nos. 6 – 11) for perusal.

The above is for the information of the members of the Academic Council

ITEM NO. A. 20.2 To note the Actions taken on the decisions made in the Nineteenth Meeting of the Academic Council held on 11.07.2016

ITEM NO.	DECISIONS/RECOMMENDATIONS	ACTION TAKEN
<p>Against ITEM NO. A. 19.2</p>	<p>To note the Action taken on the decisions made in the Eighteenth meeting of the Academic Council held on 08.05.2015</p> <p>The members of the Academic Council were apprised of the actions taken on various items of the 18th meeting as per recommendations/suggestions of the members.</p>	<p>Noted</p>
<p>Against ITEM NO. A. 19.3</p>	<p>To report on the Achievements of the institute for the period from April, 2015 – March, 2016</p> <p>The achievements of the institute with respect to admission in long-term programmes, short –term programmes offered through contact mode and ICT mode, student training, workshop and seminars, curriculum design and development, instructional material development, research & development and extension & consultancy for the period April 2015 to March, 2016 were presented by the Member Secretary. The member appreciated the efforts put in by the Director and the faculty and staff members of the institute.</p> <p>Dr. M.P. Poonia requested the members to propose strategies for increasing the intake to the various ME (Modular) programmes of the institute. The members proposed that analysis for the last 3-5 years of intake and pass-outs may be undertaken and states may be encouraged to formulate a policy for sponsoring faculty for long-term programmes. A meeting with Secretaries of Technical Education may be organized to apprise them of Masters Degree Programmes offered by the institute. Industries may also be made aware of the ME programmes to attract participation from them.</p>	<p>Noted</p> <p>As proposed, an analysis for the last 3 to 5 years of intake and pass-outs was carried out and the findings are enclosed at Annexure – II (page nos. 12 – 18). Now the institute is in the process of making the States and industries</p>

	Dr. M.M. Malhotra requested Dr. A.B. Gupta to share the curricula developed on the basis of outcome based education and in alignment of NSQF.	aware of the ME (Modular) Programmes. NSQF aligned curricula developed by the Curriculum Development dept. has already been shared with Dr. MM Malhotra.
Against ITEM NO. A19.4	To report about the Academic Calendar in respect of M.Tech/ME programmes (both Regular & Modular) for the session 2016-17 The members were informed about the Academic Calendar in respect of M.Tech/ ME programmes (both Regular & Modular) for the session 2016-17 as approved by the Vice Chancellor, Panjab University, Chandigarh.	Noted
Against ITEM NO. A. 19.5	To approve the Operational Plan of the institute for the year 2016-2017 Operational Plan prepared by the institute on the basis of needs identified by the stakeholders(diploma level institutions, degree level institutions, industry and other organizations etc.) was approved by the Academic Council and recommended the same to the Board of Governors for its consideration. The members were informed that this year, fifty percent of the training programmes planned are at National Level in order to enhance cost effectiveness.	Noted
Against ITEM NO. A. 19.6	To consider the proposal of starting Certificate, PG Diploma and Master in Engineering Education Courses by Education & Educational Management Department Dr. P.K. Tulsi, Head, Education & Educational Management Department briefed the members regarding the proposal for Programme in Engineering Education submitted to MHRD and AICTE. Members agreed to the proposal in principle. However, Professor MM Malhotra suggested that a workshop may be organized to finalize the scheme and detailed syllabi for Programme in Engineering Education. In addition, he suggested that a policy decision at the national and state level regarding compulsory certification of teaching will help in attracting faculty for the programme. The programmes should be competency based and flexible in nature and permit the faculty to earn credits for	As proposed, a meeting was held to finalize the modules for Programme in Engineering Education and suggestions provided by the esteemed members (including Professor MM Malhotra) were incorporated.

	<p>courses. On acquiring requisite number of credits, Certificate/PG Diploma/Degree can be awarded. NITTTTR should create a pool of trainers who can, in turn, train other faculty members. This requires establishing focal institutions in every state. Courses at Certificate level should be job embedded and enable the participating faculty to perform the roles and responsibilities efficiently and effectively. Then focus should shift to professional development, career development and organizational development.</p> <p>Dr. I.K. Bhatt suggested that in order to train large number of faculty and other modalities of offering the programme such as MOOCs may be considered.</p>	<p>The suggestion is taken as a separate agenda item (20.7).</p>
<p>Against ITEM NO. A. 19.7</p>	<p>To consider the proposal of starting a PG Diploma in Project Management by Civil Engineering Department in collaboration with Bhartiya Vidya Mandir, Kolkata and supported by M/s Simplex Infrastructures Limited</p> <p>Dr. Hemant Sood, Professor & Head, Civil Engineering Department briefed the members about the collaborative programme, i.e., PG Diploma in Project Management.</p> <p>Dr. Parmod Mishra from Simplex Infrastructures Limited, New Delhi informed that they had organized the programme at industry level and it has been a very satisfying experience. In reply to a question by Dr. I.K. Bhatt, he stated that courses have been finalized taking into consideration the curricula in place at various institutions of higher learning and the requirement of construction industry. Members appreciated the initiative undertaken and approved the item.</p>	<p>Noted</p> <p>The financial proposal submitted to M/s Simplex Infrastructures Ltd., New Delhi was not acceptable to them. Hence, the programme has been shelved.</p>
<p>Against ITEM NO. A. 19.8</p>	<p>To Seek Guidance and Directions from the members of the Academic Council for general improvement in the programmes and activities of the institute</p> <p>Professor I.K. Bhat had certain observations and suggested: (a) Tie up with leading industries and international universities/institutes of higher learning for faculty and student exchange programme; (b) Preparation of a short film of 15 to 20 minutes about marketing the activities of the institute; and (c) developing virtual laboratories.</p>	<p>a) A meeting of Dr. Jason Feehily & team from University of Nottingham, UK under CRIKC was held with Director and Heads of the institute on 8th Feb., 2017 to explore research collaborations in Education, EDIC &</p>

		<p>Energy Management. Dean, Academics and International Affairs visited Taiwan for exploring collaboration for ME thesis work.</p> <p>b) A short film on NITTTR, Chandigarh is being prepared.</p>
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ITEM NO. A. 20.3 To report the Achievements of the institute for the period April, 2016 to January, 2017

The highlights of the achievements of the institute in respect of physical targets are given in Annexure – III (page nos. 19 – 20) for information of the members.

ITEM NO. A. 20.4 To report about the Academic Calendar in respect of ME programmes (both Regular & Modular) for the session 2017-18

Academic Calendar in respect of M.Tech/ME Programmes (both Regular & Modular) for the session 2017-18 as approved by the Vice Chancellor, Panjab University, Chandigarh is enclosed as Annexure – IV (page Nos. 21 – 22) for information of members of Academic Council.

ITEM NO. A. 20.5 To report about the development of MOOCs courses in Teacher Education under SWAYAM

MHRD, Govt. of India has assigned the task of developing 50 MOOCs courses in Teacher Education to all the four NITTTRs. NITTTR, Chandigarh will develop 11 MOOCs courses (detailed report is enclosed at Annexure – V; page no. 23). The above is for information of members of Academic Council.

ITEM NO. A. 20.6 To approve the Operational Plan of the institute for the year 2017-2018

Draft Operational Plan for the year 2017-18 of the institute with respect to programmes and activities is given at Annexure – VI (page Nos. 24 – 49). During 2017-18, the institute proposes to undertake various activities as per detail given below:

- **Long Term Courses (ME Programmes, both Modular & Regular) in**
 - Mechanical Engineering (Manufacturing Technology)
 - Civil Engineering (Construction Technology & Management)
 - Computer Science & Engineering
 - Electrical Engineering (Instrumentation & Control)
 - Electronics & Communication Engineering

- **Short Term Courses for faculty & staff of Polytechnics & Engineering Colleges**
 - Department Specific Programmes 88
 - Inter-disciplinary Programmes 111
- **Training Programmes through ICT** 51
- **Training Programmes for Students of Technical Institutions** 11
- **Workshops** 14
- **Seminars and Conferences** 07
- **Development of curricula** for diploma courses for MRSS Technical University, Bathinda (**Punjab**); Development of NSQF compliant curriculum of diploma level for **Haryana** state; Development of curriculum for diploma and B.Voc programmes for **Delhi** state and & Design of curricula for diploma courses for **HP** state.
- **Instructional Material**
 - Readers 06
 - Modules 02
 - Worksheets 01
 - Laboratory Manuals 09
 - MOOCs 11
 - Video Films 30
- **Research & Development** 04
(in addition to ME and Ph.D. theses)
- **Extension Services** 11
- **Consultancy Projects** 16

ITEM NO. A. 20.7 To report about Accreditation of three ME Programmes by the NBA

NBA has accorded accreditation to three of ME Programmes, viz., ME Computer Science & Engineering, ME Electrical Engineering (Instrumentation & Control) and ME Electronics & Communication Engineering for two years (copy of letter is enclosed at Annexure – VII; page nos. 50 – 51). The above is for information of members of Academic Council.

ITEM NO.A.20.8 To seek guidance and directions from the members of Academic Council for general improvement in the programmes and activities of the institute

The members may advise with regard to the Programmes and Activities planned and envisioned for the year 2017-18.

ITEM NO. A.20.9 Any other item with the permission of the Chair