

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

AGENDA FOR THE 19th MEETING OF THE ACADEMIC COUNCIL SCHEDULED TO BE
HELD AT NITTTTR, CHANDIGARH, ON 08th JULY, 2016

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ITEM NO. A. 19.1 To confirm the Minutes of the Eighteenth Meeting of the Academic Council held on 08.05.2015

The minutes of the -18th 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. 19.2 To note the Actions taken on the decisions made in the Eighteenth Meeting of the Academic Council held on 08.05.2015

ITEM NO.	DECISIONS/RECOMMENDATIONS	ACTION TAKEN
Against ITEM NO. A. 18.2	<p>To note the Action taken on the decisions made in the Seventeenth meeting of the Academic Council held on 31.10.2014</p> <p>The members of the Academic Council were apprised of the actions taken on various decisions/recommendations made during the previous meeting of the Academic Council held on 24.03.2014.</p>	Noted
Against ITEM NO. A. 18.3	<p>To report on the Achievements of the institute for the period from April, 2014 – March, 2015</p> <p>A presentation highlighting the achievements of the institute with respect to Staff Development Programmes – both Long Term and Short Term courses, Curriculum Development, Instructional Material Development, Research & Development and Extension Services from April, 2014 to March, 2015 was made.</p>	Noted
Against ITEM NO. A18.4	<p>To report about the Academic Calendar in respect of M.Tech/ME programmes (both Regular & Modular) for the session 2015-16</p> <p>The members of the Academic Council were informed about the Academic Calendar in respect of M.Tech/ ME programmes (both Regular & Modular) for the session 2015-16 as approved by the Vice Chancellor, Panjab University, Chandigarh.</p>	Noted
Against ITEM NO. A. 18.5	<p>To approve the Operational Plan of the institute for the year 2015-2016</p> <p>The members of the Academic Council approved the Operational Plan for the year 2015-16 and</p>	Noted

	<p>recommended the same to the Board of Governors for its consideration.</p> <p>Dr. MP Poonia apprised the members of the Academic Council of the major initiatives taken by the institute during 2014-15. The major initiatives include a) MoUs signed with ABB (ASEA Brown Boveri), Bangalore for sponsoring ME and Ph.D. scholars of NITTTR Chandigarh; b) students of ME programmes have been placed in industry and institutions of higher learning (MNIT, Jaipur) for their project/thesis work and encourage them to take up live problems, c) in collaboration with Skippers Electricals India Ltd., the institute has designed curriculum for their academy in Nigeria and trained six teachers in the area of electrical engineering; d) a 30-point programme has been launched to improve the quality of resources, facilities, programmes and activities of the institute.</p>	<p>Noted</p> <p>List of organizations with whom MoUs signed till date, enclosed as Annex - II (page Nos. 11-13) for information members of Academic Council.</p>
<p>Against ITEM NO. A. 18.6</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>The members of the Academic Council applauded the efforts of the Director and faculty of the institute in achieving the targets and objectives of the institute during 2014-15.</p> <p>Prof. MM Malhotra had certain observations and suggested that: a) M.Tech Engineering Education programme needs to be revived with a different nomenclature, i.e., Master of Engineering Education (Administration and Management) to train people managing institutions/departments, staff development/curriculum development/examination etc.;</p>	<p>a) A proposal for Certificate based Engineering Education Programme consisting certificate, Diploma; & M.Tech programme has been sent to MHRD Govt. of India and AICTE, New Delhi linking programmes with career advancement of technical teachers. In addition, under PMMMNMTT Scheme, proposal for setting up Faculty Development Centre for offering these programmes has been submitted.</p>

<p>b) outcome based short term courses should be offered by the institute with due weightage to carefully designed assessment;</p>	<p>b) An attempt will be made to offer outcome based short term courses during 2016-17.</p>
<p>c) self learning modules need to be developed for promoting independent learning by the technical teachers and videos should be integrated into online programmes;</p>	<p>c) Action initiated</p>
<p>d) emphasis should be on documentation and utilization of research undertaken by the institute;</p>	<p>d) Noted</p>
<p>e) the publication Glimpses of Research should include both abstract of the research and potential utilization of the research;</p>	<p>e) Glimpses of Research Part II will include both.</p>
<p>f) innovative ideas suggested during the conferences/seminars should be documented, discussed among the faculty of the institute and follow up action should be initiated; and</p>	<p>f) Proceedings and recommendations are prepared by the coordinating departments and circulated for action.</p>
<p>g) outcome based curricula need to be designed taking into considerations the various models adopted by Australia, UK, USA etc. He offered his expertise for designing model outcome base curricula.</p>	<p>g) The curriculum of various programmes is being revised and made NSQF compliant (outcome based). The institute will start designing/ revising curriculum of Punjab state with expertise of Dr. MM Malhotra.</p>
<p>Dr. MP Poonia urged the faculty members to devote at least 10 hours in a year to suggest innovative measures to strengthen Academic Council.</p>	<p>Noted</p>

ITEM NO. A. 19.3 To report the Achievements of the institute for the period April, 2015 to March, 2016

The highlights of the achievements of the institute in respect of physical targets are given in Annexure – III (page nos. 14 – 15) for information of the members.

ITEM NO. A. 19.4 To report about the Academic Calendar in respect of ME programmes (both Regular & Modular) for the session 2016-17

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 is enclosed as Annexure – IV (page Nos. 16 – 20) for information of members of Academic Council.

ITEM NO. A. 19.5 To approve the Operational Plan of the institute for the year 2016-2017

Draft Operational Plan for the year 2016-17 of the institute with respect to programmes and activities is given in Annexure – V (page Nos. 21 – 50). During 2016-17, 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 92
 - Programmes in Collaboration with Industry 05
 - Inter-disciplinary Programmes 124
- **Training Programmes through ICT 55**
- **Training Programmes for Students of Technical Institutions 16**
- **Workshops 23**
- **Seminars and Conferences 07**
- **Design of curricula for diploma courses for Haryana & Revision of curricula for diploma courses for Punjab and Haryana**
- **Instructional Material**
 - Text Book 01
 - Modules 05
 - Readers 04
 - Laboratory Manuals 12
 - Video Films 622
 - E- Content Generation in Hindi for UP state on Electrical Machines and Measurements (about 100 video films in each area)
 - Chemical Engineering (about 100 video films)

- **Research & Development** 05
(in addition to ME and Ph.D. theses)
- **Extension Services** 07
- **Consultancy Projects-and Training Programmes** 26

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

The members may advise with regard to starting Certificate, PG Diploma and Master in Engineering Education Courses by Education & Educational Management Department (Annexure – VI; page Nos. 51 – 53).

ITEM NO.A.19.7 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

The members may advise with regard to starting a PG Diploma in Project Management by Civil Engineering Department (Annexure – VII; page Nos. 54 – 55).

ITEM NO.A.19.8 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 2016-17.

ITEM NO. A.19.9 Any other item with the permission of the Chair