

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND
RESEARCH, SECTOR-26, CHANDIGARH – 160019**

**AGENDA FOR THE 22ND MEETING OF THE ACADEMIC COUNCIL
SCHEDULED TO BE HELD AT NITTTR, CHANDIGARH, ON 14.03.219**

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ITEM NO. A. 22.0 Welcome to the Chairman and Members of Academic Council

Previous Meeting

ITEM NO. A. 22.1 To confirm the Minutes of the 21st Meeting of the Academic Council held on 15.03.2018

The minutes of the 21st meeting of the Academic Council were circulated to all the members. As no comments were received from any member, the minutes already circulated may be taken as confirmed and recorded as such. A copy of the minutes is enclosed at Annexure No. I (page no. 1 to 11) for perusal.

(For Confirmation)

ITEM NO.A.22.2 To Note the Action taken on the decisions made in the Twenty First Meeting of the Academic Council held on 15.03.2018.

ITEM NO.	DECISIONS/RECOMMENDATIONS	ACTION TAKEN
Against ITEM NO.A. 21.2	<p>To note the Action taken on the decisions made in the Twentieth Meeting of the Academic Council held on 25.02.2017</p> <p>The members of the Academic Council were apprised of the actions taken on various items of the 20th meeting. As regards, preparing an impact study by the department of Rural Development for finding out the various problems faced by specific identified villages and making necessary interventions, Prof. UN Roy has informed that he was not given the information about such specific study and he may be given the details of such work along with the allocated budget.</p>	Noted
Against ITEM NO.A. 21.3	<p>To Report about the Academic Calendar in respect of M.Tech/ME programmes (both Regular and Modular) for the session 2018-2019</p> <p>The members of the Academic Council noted the Academic Calendar in respect of M.Tech/ME Programmes (both Regular and Modular) for the session 2018-2019 as approved by the Vice Chancellor, Panjab University, Chandigarh.</p>	Noted
Against ITEM NO. A. 21.4	<p>Enhancement of fee for ME/M.Tech and Ph.D programme of NITTTR, Chandigarh.</p> <p>Fees for ME/M.Tech and Ph.D programme of NITTTR, Chandigarh has been enhanced from the academic session 2018-19.</p>	Noted

<p>Against ITEM NO. A. 21.5</p>	<p>Enhancement of Experts' honorarium for Preliminary thesis examinations and Final Thesis examination for ME/M.Tech and Synopsis presentation and Final Thesis Examination of Ph.D programme of NITTTR, Chandigarh.</p> <p>Payment to the experts for Preliminary thesis examinations and Final Thesis examination for ME/M.Tech and Synopsis presentation and Final Thesis Examination of Ph.D programme of NITTTR, Chandigarh is being made as per enhanced norms.</p>
<p>Against ITEM NO. 21.6</p>	<p>Conduct and funding of students related activities :</p> <ul style="list-style-type: none"> • None of the engineering departments has come forward to organize National Tech Fest in the institute. From 2019-20 the departments may start conducting alphabetically starting with the Department of Civil Engineering in 2019-20. • A committee of Dean (A&IA), Dean (R&D), Dr. Shimi SL and a Professor from IMCO has been constituted by the Director for evolving the mechanism for operationalising the activity of setting-up of Student Chapter of Professional Bodies by all the five engineering departments. From academic year 2019-20 this committee may start functioning.
<p>Against ITEM NO. 21.7</p>	<p>Revision of Rent Charges for Institute Hostels</p> <p>Hostel rent charges have been revised from the academic session 2018-19.</p>
<p>Against ITEM NO. 21.8</p>	<p>Setup of a fund for funding Ph.D Scholars.</p> <p>Dean (R&D) has informed that no action has been taken on this item so far, due to his other engagements.</p>
<p>Against ITEM NO. 21.9</p>	<p>Establishing a Business Incubation Centre at NITTTR , Chandigarh</p> <p>The institute has sent a proposal to AICTE for starting of MBA in Innovation, Entrepreneurship and Venture Development by collaborating with the Business Incubation Centre of Chitkara University, Banur, Punjab, from 2019-20 onwards.</p>
<p>Against ITEM NO. A. 21.10</p>	<p>Launching of New Courses by ETV Department</p> <p>Dr. Maitreyee Dutta, HOD, ETV has informed that the new courses have not yet been started by the ETV Dept. These new courses are proposed to be started from next academic year 2019-20.</p>
<p>Against ITEM NO. A. 21.11</p>	<p>To report on the Achievements of the Institute for the period from April 2017 to 8th March 2018</p> <p>Dr. AK Duggal, Faculty In-charge, IMCO has informed that no targets have been set so far for the individual faculty member and the institute as a whole for the upcoming 3 years as was recommended in one of the review committee report.</p>

Against ITEM NO. 21.12	To approve the Operational Plan of the institute for the year 2018-2019 A. Operation 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.	Noted
Against ITEM NO. 21.13	To seek guidance and directions from the members of the Academic Council for various schemes and perspective Plans of the Ministry. A. No such suggestions have been received from the members of the Academic Council.	Noted

Items For Reporting

ITEM NO.A.22.3: To report about the Academic Calendar in respect of ME Programmes (both Regular and Modular) for the Session 2019-20

Academic Calendar in respect of ME Programmes (both Regular and Modular) for the Session 2019-20 has been sent to the Panjab University For Consideration and Approval vide letter no. NITTTTR/Academic/Cell/11831-32 dated 27.02.2019. Copy enclosed as Annexure No. II (page no.1 to 4) for Reporting of members of Academic Council.

(For Reporting)

ITEM NO. A. 22.4: 360 degree Feedback System.

AICTE has given a guideline vide their Gazette notification regarding 360 degree feedback system of all the faculty members working in the technical education system. Accordingly, NITTTTR Chandigarh has to adopt this feedback system. All the departments are advised to start working on this this till the BOG approves a comprehensive document which is being prepared under the Chairpersonship of Prof. PK Tulsi.

(For Reporting)

ITEM NO. A.22.5: Quarterly performance appraisal of Faculty Members

As approved by the BOG, all the faculty members have to fill up and submit the quarterly performance appraisal report on the activities undertaken by them effective with O-Plan of 2019-20. The HOD's must ensure the above.

(For Reporting)

ITEM NO. A.22.6: Inviting Professors for Pre-thesis and Thesis Viva-voce for ME and Ph.D Students

All the faculty members are requested to invite faculty not below the Rank of a Professor for the Pre-thesis and Thesis Viva-voce for ME and Ph. D Students. In case of experts from IIT/ IIM faculty of any cadre may be invited.

(For Reporting)

ITEM NO. A.22.7: Development of Model Curriculum of courses in emerging areas for AICTE, Delhi

AICTE, New Delhi constituted a committee for preparing 'Short and Medium-term Perspective Plan for Technical Education'. The said Committee, in its report, identified 9 emerging areas and recommended to AICTE to introduce courses in these emerging areas in various undergraduate engineering programmes:

1. Artificial Intelligence
2. Internet of Things (IoT)
3. Blockchain
4. Robotics
5. Quantum Computing
6. Data Sciences
7. Cyber Security
8. 3D Printing and Design
9. Virtual Reality (VR)

The training in above areas will enhance the employment opportunities of the students. Subsequently, AICTE requested NITTTR, Chandigarh to develop Model curricula of the above mentioned 9 courses. NITTTR, Chandigarh undertook the project and developed the curricula for the 9 courses by organizing curriculum workshops in which experts from IITs, representatives from industry and faculty from various academic institutions and NITTTR, Chandigarh were involved. The curriculum document was submitted to AICTE, Delhi in February, 2019 and the curriculum has been uploaded by AICTE on its website which was released to the country by the Hon'ble Secretary, MHRD.

(For Reporting)

ITEM NO. A.22.8: Sponsored projects received by Faculty Members

A list of the projects received by various faculty members sponsored by different organizations is given at Annexure – III (Page 1)

(For Reporting)

ITEM NO. A.22.9: New Laboratory Initiatives by Different Departments

All the HODs will make a presentation on the new laboratory initiatives under taken in their departments.

(For Reporting)

ITEM NO. A.22.10: MOUs signed by the institute

The institute signed a number of MOUs with various organizations during the period of 1st March 2018 to 1st March 2019. A copy of the organizations with whom the MOUs have been signed is enclosed at Annexure IV (Page 1)

(For Reporting)

ITEM NO. A.22.11: Signing of MOU with IIT, New Delhi for implementation of Unnat Bharat Abhiyan

Ministry of Human Resources Development (MHRD), Government of India has launched the program of Unnat Bharat Abhiyan (UBA-02.0) with the objective of engaging the higher educational institutions to undertake and work in rural areas. As of now, 2048 reputed institutions have been selected by the Govt of India on a challenging mode. With the intension of enriching rural India, these selected institutions are expected to customize the available technologies or develop new technologies as per the local needs and also to improve the implementation of existing government programmes in rural India.

NITTTR Chandigarh has been identified as one of the “Regional Coordinating Institutes” by the MHRD, GOI for contributing and implementation of Unnat Bharat Abhiyan, a flagship programme initiated by Government of India, in the 22 Districts of Punjab.

For this purpose, NITTTR, Chandigarh has signed a Memorandum of Understanding (MoU) with National Coordinating Institute Unnat Bharat Abhiyan – Indian Institute of Technology, Delhi on 6 March 2019 at Delhi to work as a Regional Coordinating Institution (RCI) under UBA.

The activities of these 22 districts of Punjab shall be jointly undertaken by Prof UN Roy and Prof Poonam Syal of Rural Development Department in consultation with the Director, NITTTR Chandigarh.

(For Reporting)

Items for Consideration and Approval

ITEM NO. A.22.12: To approve the Operational Plan of the institute for the year 2019-20

Draft operational plan of the institute for the year 2019-2020 has been prepared keeping in to consideration the requirement of stakeholders. A copy of the draft operation plan for the year 2019-2020 is **enclosed separately**. Members of the Academic Council may deliberate and recommend to Board of Governors for Consideration and Approval.

(For Consideration and Approval)

ITEM NO. A.22.13 Deemed to be University status for NITTTR, Chandigarh

As per the directions of MHRD, Govt. of India NITTTR, Chandigarh proposes to acquire Deemed to be University status till it gets the status of Institute of National Importance (INI). A committee in this regard has been set-up under the Chairmanship of Prof. BS Pabla to prepare the document for submission to UGC with a copy to MHRD. The proposal was submitted to MHRD, and as per their instructions, the institute is going to apply online to the UGC for getting the above status.
Hon'ble members may kindly consider

(For Consideration and Approval)

ITEM NO. A.22.14: Vision, Mission and Strategic Plan of Every Department

Each department is required to prepare their vision, mission along-with five years strategic plan consistent with the vision, mission and strategic plan of the institute.

Each HOD is required to create tools, define process and evaluation mechanism for the same. All stakeholders are to be involved. The time line for completion of the same is April 30, 2019.

(For Consideration and Approval)

ITEM NO. A.22.15: Proposal for four new ME programmes and one MBA program

Institute has submitted a proposal to AICTE for starting of four new ME programmes on floating basis. It is proposed that the institute would operationalise ME programmes in new upcoming areas and run it for 4-5 years. These programmes will then be taken up by the Engineering Institutes of the country and NITTTR, Chandigarh will then take up new emerging areas. The above four new programmes are ME in Computer Science and Engineering (Specialization in Internet of Things, IOT), ME in Mechanical Engineering (Specialization in Robotics), ME in Electronics and Communication Engineering (Specialization in Artificial Intelligence) and ME in Electrical Engineering (Specialization in Energy Systems and Smart Grid).

For Civil Engineering, the proposal on ME in Smart Infrastructure is under process.

In addition, as per the AICTE, the institute has prepared a proposal for running a MBA Programme in Innovation, Entrepreneurship and Venture Development and submitted to AICTE for starting from the year 2019-20 onwards. The presentation for the same is now scheduled on March 26, 2019.

(For Consideration and Approval)

ITEM NO. A.22.16: Digitization of Departmental Resources

All the departments are required to digitize the instructional material namely modules, lab manuals, readers, lecture handouts, PPTs etc. and maintain a repository for the same. The central repository will be maintained by IMCO and therefore all the departments will transfer a copy of the digitized material to IMCO.

(For Consideration and Approval)

ITEM NO. A.22.17: Partial use of IRG for hiring experts from Industry as Adjunct Faculty to teach subjects of emerging areas

Since the institute is expected to launch four ME and one MBA programme in emerging areas, experts from the Industry will be hired as adjunct faculty to teach the latest technology and practices covering almost 40% of the total curriculum content. The expenditure on this account will be borne from the IRG generated by the institute.

(For Consideration and Approval)

ITEM NO. A.22.18: Any other item with the permission of the Chair