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

AGENDA FOR THE 26TH MEETING OF THE ACADEMIC COUNCIL SCHEDULED TO BE HELD ON 1st FEBRUARY, 2023 AT 2.30PM IN THE BOARD ROOM AT NITTTR, CHANDIGARH

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Item No.A.26.0 Welcome to the Chairman and Members of Academic Council

Previous Meeting

Item No.A.26.1 To confirm the Minutes of the 25th Meeting of the Academic Council held on 28.01.2022.

The minutes of the 25th 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 approved as confirmed and recorded as such. A copy of the minutes is enclosed at **Annexure No. I** (page nos.) for perusal.

(For Confirmation)

Item No.A.26.2 To Note the Action taken on the decisions made in the Twenty Fifth Meeting of the Academic Council held on 28.01.2022.

ITEM NO.	DECISIONS/RECOMMENDATIONS	ACTION TAKEN
Item No. A.25.1/ 25.2	TO NOTE THE ACTION TAKEN ON THE DECISIONS MADE IN THE TWENTY FOURTH MEETING OF THE ACADEMIC COUNCIL HELD ON 15.01.2021.	Noted
	The members were apprised of the action taken on various items of the 24 meeting of the Academic Council as per the recommendation/suggestions of the members.	
Item No. A.22.2/ 21.10	LAUNCHING OF NEW COURSES BY ETV DEPARTMENT. Members were informed that these new PG diploma courses approved by UGC could not be conducted in contact mode.	Noted

Item No.	360 DEGREE FEEDBACK SYSTEM	
A. 22.4		
	The committee constituted under the chairmanship of Prof. M Dutta prepared the draft 360 Degree feedback system mapping with the AICTE guideline. The same was placed before the council. Members participated in the elaborate discussions on the implementation of 360 Degree Feedback System in alignment with AICTE guidelines. Considering the suggestions by all the members, after incorporating them it was suggested to place in BoG for approval.	Approved by BOG of the institute Vide item No.B.56.5.6

Item No. A.22.11	SIGNING OF MOU WITH IIT, NEW DELHI FOR IMPLEMENTATION OF UNNAT BHARAT	Noted
	ABHIYAN. Dr. Hemanth Vinayak, Associate Professor of	The status of the progress is enclosed as Annexure- 2 .
	Rural Development Department informed the council about the progress made by NITTTR,	
	Chandigarh in implementing Unnat Bharat Abhiyan scheme. It was informed that NITTTR	
	(RCI) has received around 15 Lacs under this scheme. 6 Online Workshops with 376	
Item No.	participants were conducted under this scheme. DEEMED-TO- BE-UNIVERSITY STATUS FOR	Noted
A.22.13	NITTTR, CHANDIGARH. Director informed the members that the	
	recommendation is still awaited.	
Item No. A.22.14	VISION, MISSION AND STRATEGIC PLAN OF EVERY DEPARTMENT.	Noted
	The modified Vision and Mission statements of ME Teaching Departments were accepted.	
Item No. A.22.2/ 21.9	NITTTR, Chandigarh. Prof. Dhameja, HoD of EDIC informed the members on the attempts made in this progress. It was informed that due to shortage of space, the same could not be achieved. Attempts are made to collaborate with other institutions nearby to make cluster activity. Mr. Supreeth suggested to collaborate with InvestPanjab Team for better collaboration. He also suggested to write an application to Niti Ayog for possible financial support. He pointed out that NITTTR team should invite some external specialists with venture capital background towards exploring some funding opportunities.	Head, EDIC to pursue and report he progress in every Academic Council meeting.
Item No. A.23.13	Starting of MBA Programme in Rural Development and Entrepreneurship and PG Diploma in Rural and Environmental Journalism.	Noted
	The members were informed upon getting the Deemed University status, these options will be explored.	

Item No. A.23.14	To Consider and approve to Start Advance Diploma in (i) Additive Manufacturing and (ii) Digital Marketing; ME/MTech in CSE (Cyber Security) as Evening/Weekend Programme; MSc in Physics with Specialization in Nanophonotics jointly with Panjab University. Prof. D P Agarwal suggested to start these PG Diploma Programmes in collaboration with any of the state's Skill University instead of Panjab University, as these Programmes are NSQF aligned and skill oriented.	Institute will run these programmes after getting deemed to be university status as the flexibility is an issue with other university including Panjab University.
Item No. A.23.16	Any other Items with the Permission of the Chair. (a) The members were informed that the constituted committee under the Chairmanship of Prof. SS Gill in touch with Punjab State Council for Science and Technology (PSCST) for establishment of Patent Cell / Patent Club and shall be completed within one month. Regarding (b) Post–Doctoral fellowship, upon getting the deemed university status these schemes will be reviewed for possible launching.	Institute innovation council has been registered for the Institute. IPR activities shall be conducted under it. Furthermore, a committee has been constituted to recommend institutional support for patent application filing.
Item No. A.24.11	To participate in CCMT for ME/ M.Tech Admissions from the year 2020 onwards regularly.	Institute participated in CCMT- 2022 for ME/M.Tech admissions and 09 students were admitted through CCMT-2022 for the session 2022-23.
Item No. A.24.14	To approve the UGC Approved PG Diploma Courses to be started from Next Academic Year. Prof. D P Agarwal suggested to start these PG Diploma Programmes in collaboration with any of the state's Skill University instead of Panjab University, as these Programmes are NSQF aligned and skill oriented.	Institute will run these programmes after getting deemed to be university status as flexibility with other University is not as desired by the Institute to allign the activities towards quality teachers.
Item No. A.25.10	To consider and ratify the nomination of Dean (Academics and Research & Development) as Chairperson for University Communications. Members were appraised that the communications to all the Panjab University	Noted

	Officials will be made through Dean (Academics	
	and R&D) nominated as a Chairperson with prior approval of the competent authority. Whereas, the	
	communications to Hon'ble Vice Chancellor will be	
	made only by Director. The same was ratified by the esteemed members.	
Item No.	To consider and ratify Waiving-off of	Noted
A.25.11	Application Fee of CCMT Admitted Students.	
	Academic Council considered and ratified the decision of waiving-off application fee for CCMT admitted students.	
Item No. A.25.12	To consider and approve the Academic Calendar in respect of ME Programmes (Both Regular and Modular) for the session 2022-23	Noted
	The Deputy Registrar (colleges), Panjab University, Chandigarh, vide its letter No. Misc./A-1/1084 dated 01.04.2022 had approved the academic calendar for the year 2022-23. Since the Panjab University has conducted PU-CET exam on 31.07.2022 and result to be declared on 17.08.2022, the schedule of the ME Regular has been revised and send to Panjab University, Chandigarh vide letter No. NITTTR/Academic Cell/1700-1701 dated 05.08.2022 for approval as under: Normal Admission for students of New Batch-2022: 25.08.2022 Registration for New Batch-2022: 26.08.200 to 29.08.2022 Late admission (with Late Fee): 29.08.2022 Commencement of Classes for New Batch-2022: 29.08.2022.	
Item No. A.25.13	To approve the Operational Plan of the institute for the year 2022-2023	Noted
	Operational Plan of 2022-23.	
Item No. A.25.14	To approve the Prospectus of ME and PhD Programmes for the year 2022 – 23.	Noted
	Approved with minor changes.	
Item No. A.25.15	To Consider and Approve the revised Hostel Rates for the Year 2022-23 and to Waive off the Hostel Fees for the Period of Non-stay during COVID Period.	Noted
	Approved.	

Item No.	To approve the Criteria / Norms applicable to	It was approved by the Board
A.25.16	CAS Promotion for Faculty as per AICTE 7 th CPC Guidelines.	of Governors in its 56 th meeting vide item No.B 56.5.6
	The committee recommendation was accepted and approved after deliberations. The same will be placed before BoGs for approval.	
Item No. A.25.17	Extension Fees are being Collected by ME and PhD Students.	Noted
	Approved	
Item No. A.25.18	ANY OTHER ITEM WITH THE PERMISSION OF THE CHAIR.	
	(i) Mr. Garnaik suggested to present a comparison with the previous year's data in the next academic council for better understanding and visualization.	As suggested, the following committees have been constituted for better Industry Academia Interaction and to support incubation facility especially in the areas of
	(ii) Mr. Garnaik stressed about the need to conduct research in the thematic areas of climate change. He suggested to formulate a sub- committee for better industry academia interaction to support incubation facility	Data-analytic, Impact Assessment and Research Studies in Clean Energy and Energy Efficiency:-
	especially in the areas of impact assessment, data analytics and other research studies for thematic area of clean energy/energy efficiency. He gave an idea to open a centre of excellence for example in motor rewinding in some select SME clusters in collaboration with some industries. He also	Industry Academia Interaction 1. Dean (Extension): Chairman 2. Prof. Niraj Bala 3. Dr.Harsh Vardhan Samalia 4. Prof.Rupinder Singh 5. Dr.Amit Deogar
	opinioned to conduct a study on loss of economy due to power quality issues in	Clean Energy and Energy Efficiency
	Indian context. He offered collaboration for such research programmes with EESL. He requested NITTTR to conduct data analytics of the huge data being generated by EESL. He also requested NITTTR to conduct some	 Dean (Extension) : Chairman Prof. Poonam Syal Prof. Piush Verma Prof.Lini Mathew Dr.Ritula Thakaur
	CEO forums for better interaction and coordination in some select SME clusters. He suggested to invites some select 25	(Annexure-3)
	clusters and invite some CEOs of these	

clusters to NITTTR for interaction. He also

invited NITTTR to have some joint MoU for submitting proposals for possible international funding. Director requested the HoD of electrical engineering to move in this direction.

- (iii) Prof. D P Agrawal suggested to reduce the repeated activities and start thinking in some innovative areas. He also suggested to conduct a conference on futuristic vision of NITTTRs with proper think tank. He also stressed on international training programmes, innovative assessment methods to be considered in NITTTR activities.
- (iv) Mr. Supreeth Nagaraju emphasized on better industrial collaborations with enhanced diversity. The training programmes are expected to bring in the industrial flayour and industrial expectations among the trainees by inculcating unlearn, relearn and innovation. He stressed upon out of the box thinking.

The Institute has now created reinventing plan. The same is placed as separate agenda as agenda item A.26.25.

Item for Reporting

Item No. To report the Admission Statistics in respect of ME Programmes (both Regular and Modular) for the session 2022-23

Total of 76 candidates were admitted in ME Modular Programme and 10 candidates were admitted in ME Regular Programmes for the Academic Year 2022-23. Copy of the statistics enclosed as **Annexure-4** for reporting to the members of Academic Council.

(For Reporting)

Item No. A.26.4 To report the achievements of NITTTR Chandigarh in SWAYAM MOOCs and AICTE NITTT SWAYAM MOOCs.

As a part of our MOOC initiatives NITTTR more **than 15651 learners** have enrolled in the year 2022-23 (July session) and January Session 2023 for our various MOOC courses as listed below:

- 1. Following MOOC courses have been launched in SWAYAM portal
 - Educational Video Production
 - Graphics and Animation development
 - Research in Technical Education
 - Development of Self Learning Material Development
 - Communication Skills, Modes and Knowledge Dissemination

2. NITTT Modules

- Creativity problem Solving, Innovation, and Meaningful R & D
- Communication Skills, Modes and Knowledge Dissemination
- Institutional Management & Administrative Procedures

(For Reporting)

Item No. A.26.5

To Report the Achievements of O.Plan 2022-23 (from April, 2022 to December, 2022)

- Total participants trained from January 2022 to December 2022: 46126
- Two Conferences were held
- 94 Book Chapters, 109 Papers in SCI Indexed Journals and 253 papers in non SCI indexed journals were published.
- Three patents were granted

Details has been given in **Annexure-5**

(For Reporting)

Item No. A.26.6

To Report the MoUs signed during April, 2022 to January, 2023

The following is the summary of the MoUs signed by the Institute with other Organizations is as follows:

- 1. Dross Management Systems and Energy Solutions Pvt. Ltd., Plot No. 275 First Floor, Phase-9, SAS Nagar, Punjab
- 2. ULTRATECH Cement Limited, Plot No. 50, Adarsh Mall, 5th Floor, Industrial Area, Phase-2, Chandigarh
- 3. Dr. Fixit Institute of Structural Protection & Rehabilitation, Mumbai
- 4. Young Hopes of India Foundation, Chandigarh (26.08.2022)
- 5. NIT Uttrakhand on 23.01.2023

(For Reporting)

Item No. A.26.7

To Report the sponsored project received by institute faculty during April, 2022 - January, 2023

Grants have been received for two sponsored projects.

- 1. RPS of AICTE titled "Memresistive Non-volatile SRAM Cell Design for AI Application 11,41,666/-
- 2. Engineered Novel Cobalt free nanostructured double perovskites for asymmetric energy storage device Applications 4,37,000/-.
- 3. Structural Safety Auditing of Selected Schools Shimla City of Ruipees 2,35,75,000/-.
- 4. Project-1 under SERB (Teachers Associateship for Research Excellence) of Rupees 18,30,000/-.

	 Project-2 under SERB (Teachers Associateship for Research Excellence) of Rupees 18,30,000/ Received Project "Designing fixtures plates with different 3D printing materials for optimizing cranial implant thickness used in skull reconstruction" by DST-TARE of Rs.18,30,000.
	(For Reporting)
Item No.	To Report the Establishment of 5 centers of excellences
A.26.8	
	Institute initiated to establish the following 5 CoEs'
	(Respective Chairman of CoE to present the updates)

Name of CoE	Departments involved	Chairman of the CoE	Total Amount allocated
Technology integrated teaching learning	Computer Science and Engg./ Media Engg. Information Management and Emerging Engg.	Prof. and Head, Computer Science and Engineering	1.5 crore
Smart system and manufacturing	Mechanical Engg./ Electrical Engg./Civil Engg.	Prof. and Head, Civil Engg.	1.5 crore
Data owning, AL and ML	Electronics and Comm. Engg./Computer Science and Engg.	Prof. and Head, Electronics and Comm. Engg.	1.5 crore
Sustainability through natural resources	Rural Development/ Applied Science/ Entrepreneurship Development and Industrial Coordination	Prof. and Head, Applied Science	0.5 crore
Educational Policy, Pedagogy and Action Research	Education and Educational Management/Curriculum Development Centre/ Entrepreneurship Development and Industrial Coordination	Dr. Sunil Dutt/Dr. U N Roy	0.5 crore

Item No.	To Report the status NBA Accreditation of ME Programmes
A.26.9	Institute received NBA Accreditation for 3 years for 4 ME Programmes: ME in Mechanical Engineering (Manufacturing Technology); ME in Civil Engineering (Construction Technology and Management); ME in Electrical Engineering (Instrumentation and Control); & ME in Electronics Communication and Engineering.

U	mme wise marks awarded by the NBA Eva d below:	lluators (Annexure-6) as
Sr.	Name of Programme	Score awarded by

Sr. No.	Name of Programme	Score awarded by NBA (Out of 500)	
1.	ME in Mechanical Engineering	339	
	(Manufacturing Technology)		
2.	ME in Civil Engineering	342	
	(Construction Technology and Management)		
3.	ME in Electrical Engineering	338	
	(Instrumentation and Control)		
4.	ME in Electronics Communication and	334	
	Engineering		

(For Reporting)

Item No. A.26.10

To report that the status of Consultancy Activities along with the IRG Generated by the Institute.

IRG as on 31.12.2022 Credit= 6.91 Crore

The NITTTR has established a CENTRE FOR CLEAN TECHNOLOGIES & SUSTAINABLE DEVELOPMENT, for providing an indigenous, single and viable solution. This centre is working since 2019 with some industrial partners for viable technology development. Now the objective has been achieved and the solution has been developed in the shape of a smart wet municipal solid disposal system. The Dross-Smart Machine is the technology that deals with wet & organic sold waste, a single machine are able to process wet organic solid waste working successfully in the NITTTR since January 2021.

Now NITTTR has started the commercialization of this machine and recently we have got an order for the supply of this machine from HPKVV (Himachal Pradesh Krishi Vishwa Vidhalya) Palampur Himachal Pradesh.

We are expecting a few more orders of this machine that will create a new method for municipal solid waste management. That can also be called Decentralized MSW disposal at the source.

(For Reporting)

Item No. A.26.11

To report about the approval of Board of Governors regarding Honorarium of \$150 to International Expert

Board of Governors has approved vide Item No.B.54.5.1 that \$150 (USA 150 Dollars) will be given to International Expert as Honorarium. Copy of Office Order No.97 dated 16.07.2021 is annexed as **Annexure-7.**

(For Reporting)

Item No. A.26.12

To report the Proposal for Business Start-up Incubation Centre (BSIC) with Board of Technical Education, Haryana.

Proposal is hereby attached as **Annexure-8** for ratification.

(For Reporting))

Item No. A.26.13

To report to the council about MOU with IIT Ropar

IIT Ropar in principle agreed to collaborate with NITTTR Chandigarh for offering Training to degree programmes. In this context Prof. Maitreyee Dutta has been requested to prepare MOU document and send to all Professors and HODs for suggestions. Draft MoU is attached as **Annexure-9**.

Item for Ratification

Item No. A.26.14

To Consider and ratify new TA/DA Rule for training programmes

New TA/DA Rule for training programmes are attached in **Annexure-10** for ratification.

(For Ratification)

Item No. A.26.15

To Report the offering of ME Civil Engineering (Construction Technology & Management) Programme for session 2022-23

Institute has received a very low or no response in CCMT-2022 for its seven ME programmes except ME programme offered by the Department of Civil Engineering (Construction Technology and Management). In this regard, NITTTR Chandigarh decided not to run the seven ME programmes during this session 2022-2023 except ME in Civil Engineering (Construction Technology and Management). QIP (Poly) candidates shall be admitted only in ME Civil Engineering (Construction Technology and Management) for the session 2022-23.

Total 10 students were admitted in ME Civil Engineering (Construction Technology and Management) for the session 2022-23.

Members may kindly consider and rectify the same.

(For Reporting)

Items for consideration and approval

Item No. A.26.16

To approve the fixation of charges of Guest House room rent for extra days beyond a complete month for ME/Ph.D. students.

The committee discussed and recommends that for Ph.D./ME students, who have availed accommodation facility in Guest House-2 on monthly basis charges, the rate for extra days beyond a complete month may be charged @Rs. 500/- per day for a maximum one week. Beyond one week, full charge i.e.@Rs. 1800/- per day+ Taxes and other charges (if any) shall be charged as per institute norms. (Annexure-11).

Item No. A.26.17

To consider and approve the withdrawal of COVID Charges w.e.f.01.01.2023 (in-line with the Guest House charges).

The committee recommends withdrawing of COVID charges w.e.f. 01.01.2023 (in-line with the Guest House Charges). Minutes of the meeting are attached as **Annexure-12**.

To consider and approve the name of the Entrepreneurship Development Item No. A.26.18 and Industrial Coordination to Department of Management and Entrepreneurship. The faculty of the EDIC Department met on 25.07.2022 and viewed that the name of the EDIC Department need to be broad based so as to attract a diverse population other future Long Term and Short Term Education and Training Programmes, it is proposed that the name of the Entrepreneurship Development and Industrial Coordination may be changed to the Department of Management and Entrepreneurship. The proposal to change name will be taken up after getting Deemed to be University status. (Minutes of the meeting are attached as Annexure-13. Item No. To consider and approve the Academic Calendar in respect of ME/M Tech Programmes (Both Regular and Modular) for the session 2023-24. A.26.19 The draft Academic Calendar in respect of ME/M.Tech Programmes (Both Regular and Modular) for the session 2023-24 has been prepared. The same will be communicated to Panjab University, Chandigarh for necessary consideration. Copy is attached as Annexure-14 (For consideration and approval) To approve the Prospectus of ME and Ph.D programmes for the year Item No. A.26.20 2023-24. Draft prospectus of Master of Engineering (ME) Modular & Regular and Ph.D Programmes for the year 2023-24 are enclosed separately. Members of the Academic Council may deliberate and recommend to Board of Governors for consideration and approval. (For consideration and approval) To approve the Training and Activity Calendar (TAC) of the institute for Item No. A.26.21 the year 2023-24. The Training and Activity Calendar (TAC) for the year 2023-24 is attached as Annexure -15. (Annexure-15) To consider and approve the reduction of Ph.D admission Application Item No. A.26.22 The committee recommends to reduce the Ph.D admission application fee from Rs.5000/- to Rs.1000/- for direct/self-sponsored/Industrial Fellowship categories. Minutes of the meeting are attached as Annexure-16. (For consideration and approval) Item No. To formulate rules for payment of fees for filing patents. A.26.23 A committee has been constituted under the Chairmanship of Prof.C Rama Krishna to formulate the rules for patenting and the clauses for reimbursement of fees for filing and publishing Patents. To be discussed during the meeting for perusal.

Item No. A.26.24	To approve the recommendations of the committee to review Institute Consultancy Rules	
	A committee has been constituted under the Chairmanship of Prof. Sanjay Sharma, Dean, Industrial Coordination, Consultancy and Extension Services to review the existing consultancy rules, update the rules as per requirement. To be discussed during the meeting.	
Item No.	. To approve Framework for Replanning of activities of the Institute.	
A.26.25		
	Several meetings of Director with HODs were held for replanning of activities of this institute. A framework will be prepared in near future.	
Item No. A.26.26		
	The committee recommends to merge variable Hostel Rent Rates for all stakeholders into fewer categories and be made effective from 01.04.2023.	
	Minutes of the meeting are attached as Annexure-17.	
A.26.27	Any other item with the permission of the Chair.	