

F.No.19-1/2019-TS.VII  
Government of India  
Ministry of Human Resource Development  
Department of Higher Education

Shastri Bhawan, New Delhi,  
Dated 25<sup>th</sup> February, 2018

To,

1. The Secretaries of Technical Education of all States/UTs.
2. The Directors of Technical Education of all States/UTs.
3. The Member Secretary, AICTE.
4. The Vice-Chancellors of all Central Universities/ State Universities/Deemed Universities.
5. The Directors of all IITs/ IIMs/ NITIE-Mumbai.
6. The Directors of all NITs.
7. The Directors of all NITTTR's/ IISc-Bangalore/ NIFFT-Ranchi/ NERIST-Itanagar/ SLIET-Longowal/ CIT-Kokrajhar/ GKCIET-Malda.
8. CEPT University, Gujarat.
9. School of Planning and Architecture, Delhi.
10. Institute of Development Studies, University of Mysore, Mysore.
11. Forest Research Institute, Dehradun.
12. Indian Institute of Forest Management, Bhopal.
13. Indian Institute of Remote Sensing, Indian Space Research Organization, Dehradun.
14. National Remote Sensing Center, Indian Space Research Organization, Hyderabad.
15. Indira Gandhi Institute of Development Research, Mumbai.
16. National Institute of Disaster Management (NIDM), Delhi.
17. Tata Institute of Social Science (TISS), Mumbai.

**Subject: - Short term Indian faculty secondment to Asian Institute of Technology (AIT), Bangkok by the Government of India for a period upto 16 weeks - Invitation of nominations for semester commencing August, 2019 & January, 2020 - regarding.**

Sir/Madam;

I am directed to say that Asian Institute of Technology (AIT), Bangkok is an autonomous International post graduate Institute providing advanced education in engineering, science and allied fields. The AIT's academic year has two terms which begin in August and January. The Government of India provides support to the AIT by way of faculty secondment for a period upto 16 weeks in selected areas of specialization for above two terms. The areas under consideration for faculty secondment for August, 2019 and January, 2020 are enclosed.

2. The entire cost of secondment of Indian faculty to AIT, Bangkok including cost of air passages both ways and maintenance etc. is borne by the Government of India. The period of secondment is upto 16 weeks each to coincide with an academic term of AIT, Bangkok. The seconded faculty are entitled to draw their pay plus special pay, if any, and allowances as admissible to them in India during their deputation period. Their pay and allowances etc. are drawn and disbursed in India in Indian Currency. The seconded faculty are entitled to daily allowance in Bangkok as admissible vide Ministry of External Affairs orders in this regard

issued from time to time. The exact amount of daily allowance in Bangkok depends on the rate determined by the Ministry of External Affairs for the particular period. Besides this, AIT also provides accommodation in the campus at subsidized rates subject to availability. The seconded faculty is entitled to travel by air by economy class in shortest route from the nearest port of embarkation in India to Bangkok and will also be entitled to excess baggage as per instructions issued by Government of India. The above-mentioned terms and conditions of secondment are tentative and subject to approval by the Ministry of Finance at the time of secondment. The salary in respect of faculty during the period of deputation will be met by their respective State Government/ Institution themselves. In addition, the leave salary, contribution of Provident Fund/General Provident Fund and Pension Contribution etc. in respect of the faculty deputed will be met by the respective State Govt./ Institution themselves.

3. You are requested to kindly give wide publicity of this AIT Notice in your institution especially in the Departments covering the areas in which faculty secondment is being planned for the year 2019-2020. The nominee should have a doctorate degree in the relevant area, postgraduate teaching experience relevant to the course description indicated against the area and substantial research publications in the area to his credit. Nominations may kindly be sent in respect of only those candidates, who could be spared, in the event of their selection, for undertaking the proposed assignment at AIT, Bangkok for a period upto 16 weeks for the terms as indicated against each course. Since it is the endeavour of the Government to send best faculty from India to project the right kind of images at the international level, you are requested to kindly forward only those nominations that would be meeting the above mentioned requirement. The Selection Committee gives its recommendations to the Government on the basis of the bio-data of the nominees placed before it. Therefore, five copies of the bio-data of the faculty recommended for consideration of the Selection Committee may be sent to this Ministry in the enclosed format as per **Annexure-1**. The above details relating to short term faculty secondment to AIT, Bangkok may also be seen at M/o HRD website **www.mhrd.gov.in**

4. The last date for receipt of nomination in this Ministry is **25<sup>th</sup> March, 2019**. It may be noted that the nominations are required in **five copies** duly recommended by the Head of the Institution/ Competent State Govt. Authority and to be sent to the following address:

The Under Secretary  
Department of Higher Education,  
Ministry of Human Resource Development  
Room No.433, 'C' Wing  
Shastri Bhawan,  
New Delhi - 110001.

Encl: as above

Yours faithfully,

  
(Gaj Mohan Meena)

Under Secretary to the Govt. of India  
Tele: 011-23070928

Copy to:-

**The Web Master**, CMIS Unit, MHRD with the request to host the above notice on MHRD website for wide publicity.

## ANNEXURE - 1

BIO-DATA							
(To be submitted in 5 copies)							
AREA OF ASSIGNMENT FOR WHICH NOMINATION SENT							
COURSE CODE							
COURSE TITLE							
APPLIED FOR SEMESTER							
1.	Name (Expanded initials)						
2.	Date and Place of Birth						
3.	Nationality						
4.	Present Post held with complete address of the Institute.						
5.	Present Postal Address Tel. No. /Fax No./E-Mail/Mobile No.						
6.	Educational Qualifications (starts from latest)						
	Degree/ Diploma	Division/ Grade	Year	Subjects Taken	Name of University/ Institute		
7.	Professional Experience (start from latest)						
	Address of the Office/ Organization/ Institution	Post held	Duration		Specific experience: P.G. Teaching/Research Industrial		
			From (date)	To (date)			
8.	Details of Published work: Books, Articles, Monographs, Papers etc. (If the Space below is insufficient please give full particulars on a separate sheet of paper)						
No. of Patents	No. of Awards/ Recognitions	No. of Ph.D guided (completed and in progress)	No. of publications (National & International)	No. of Books (published & under publication)	No. of Projects (completed & in progress)	Details of Membership in Societies	Other details

Cont...

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**AIT SCHOOL REQUESTS FOR INDIAN FACULTY SHORT-TERM SECONDMENTS**  
**For August 2019 and January 2020 semesters**

**FOR AUGUST 2019 SEMESTER**

**I. School of Engineering and Technology (August 2019 Semester)**

<b>Course Code, Title, Credits</b>	<b>Course Description</b>
AT72.01 Deterministic Optimization Model, 3 (3-0)	Deterministic optimization modeling, software packages, linear programming, integer programming and combinatorial optimization, dynamic programming, network flow, nonlinear programming.
AT72.04 Engineering Economy, 3(3-0)	Basic concepts in engineering economy, economic evaluation of alternatives, replacement analysis, accounting concepts, depreciation and taxation, product costing and cost estimation, risk and uncertainty, deterministic capital budgeting models.
AT81.05 Analog Integrated Circuit Design, 3(2-3)	IC technology, device modeling and layout, Basic analog sub circuits, Noise analysis and modeling, Basic operational amplifier design, Advanced operational amplifiers, Comparators, Integrated filters, Data converters.
AT77.16 Digital Signal Processing, 3 (2-3)	The objective of this course is to provide the students with knowledge of both the theory and practical applications of digital signal processing in communications systems, and to complement the theory with extensive laboratory work.
AT77.15 Satellite Communications, 3 (3-0)	The objective of this course is to provide a comprehensive understanding of satellite communications principles and related technologies involved. Starting from orbital mechanics related to spacecraft deployment, the course evolves through satellite link design, signal processing and access techniques, type of networks and finally drawing conclusion with performance and reliability of the system.
AT76.14 Digital Photogrammetry, 2 (1-3)	Basic photogrammetry concept, procedures and processing task. Elements of Analytical Photogrammetry. Basic concepts of terrestrial and aerial laser scanning.

**II. School of Environment, Resources and Development (August 2019 Semester)**

<b>Course Code, Title, Credits</b>	<b>Course Description</b>
ED70.16 Controlled Environment Agriculture, 3 (3-0)	Intensive agricultural production in controlled environment is becoming popular to overcome limitations of agricultural land and vagaries of nature, especially for the production of high value crops. The objective of the course is to provide understanding of the factors involved in greenhouse and nursery production of high value crops and plants.
ED70.11 Farm Management Economics, 3 (2-3)	To provide a framework for better understanding the operation and management of farming system by the subsistence and semi-subsistence farm household in the Asian region by (i) incorporation of the use of tools of farm management analysis in solving local problems, (ii) demonstration of the relationship of farm management research to policy formulation and its

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	impact on farmers' income; and, (iii) development of the students' awareness of farm problems in different countries.
ED80.07 Marketing Management and Trade Policies in Agribusiness, 3 (3-0)	This course provides students with marketing management skills and exposes them to issues of trade policies in agribusiness. It also examines how the issues of trade policies and marketing can be managed effectively.

**FOR JANUARY 2020 SEMESTER**

**III. School of Engineering and Technology (January 2020 Semester)**

<b>Course Title</b>	<b>Course Description</b>
AT72.09 Inventory and Logistics Management, 3 (3-0)	Review of inventory system, traditional inventory models for independent demand, dependent demand system – material requirements planning (MRP), advanced production/ inventory models, introduction to logistics and supply chain management, logistics and supply chain processes.
AT77.9009 Discrete-Time Statistical Signal Processing 3 (3-0)	The objective of this course is to provide the students with a comprehensive understanding of discrete time statistical signal processing techniques with emphasis on applications in Wireless Communications.
AT77.09 Error Control Coding 3 (3-0)	The objective of this course is to provide the students with a comprehensive understanding of error control coding techniques used in digital and wireless communications.

**IV. School of Environment, Resources and Development (January 2020 Semester)**

<b>Course Code, Title, Credits</b>	<b>Course Description</b>
ED71.09 Coastal & Inland Fisheries Management, 2 (2-0)	The objective of this course is to delineate the basic stock assessment procedures, population dynamics, fishery models, and to discuss ways to develop integrated approaches for fisheries management. The course specifically focuses on Ecosystem Approach to Fisheries Management (EAFM) and Community Based Fishery Management (CBFM) and how these management regimes can ensure sustainable management of inland and coastal fisheries of Asia.
ED71.50 Health Management in Aquaculture, 2 (1-3)	Increasing intensity and output from aquaculture in response to the growing demand for fish as food also brings in a number of challenges, particularly concerned with diseases. Proper understanding of the pathogenic organisms and their effective control measures is essential to overcome the adverse impact of aquatic animal diseases on aquaculture production. This course is intended for students to understand the basic principles of aquatic health management, and to impart knowledge on preventive and remedial measures for maintaining healthy aquaculture stocks. The course will also introduce the concepts of

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	biosecurity in farm management and the significance of quarantine measures that govern the transboundary movement of aquatic animals.
ED79.14 Governance and Urban Management, 3 (3-0)	Urban politics, public management, policy, and urban governance models.
ED80.05 Agri-Food Supply Chain Management, 3 (3-0)	This course provides broad knowledge of various management issues related to food supply chains, including farm level production to post-harvest management. The course discusses functioning of each sector of food supply chains and how these sectors can be coordinated and integrated to ensure availability of safe food.
ED80.09 Agro-Industrial Development* revised from ED80.02: Agro-Industrial System Development, 3 (3-0)	The objective of this course is to provide the framework and strategies of establishing and operating enterprises in the agro-industry for development. The interactions among raw material supply, processing, factors affecting site selection and layout for retail, wholesale and processing enterprises will be important aspects of this course.

AKM  
25/2/2019