

F.No.19-1/2018-TS.VII
Government of India
Ministry of Human Resource Development
Department of Higher Education

Shastri Bhawan, New Delhi,
Dated : 9th March, 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(Thailand) by the Government of India for a period of upto 16 weeks - Invitation of nominations for semester commencing August, 2018 & January, 2019 - 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 of upto 16 weeks in selected areas of specialization for above two terms. The areas under consideration for faculty secondment for August, 2018 and January, 2019 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



File No.F.No.19-1/2018-TS.VII

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 Notice in your institution especially in the Departments covering the areas in which faculty secondment is being planned for the year 2018-2019. 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 Mo HRD website www.mhrd.gov.in

4. The last date for receipt of nomination in this Ministry is **9th April, 2018**. 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:

Shri B.B. Bhagat
Under Secretary to the Government of India
Department of Higher Education,
Ministry of Human Resource Development
Room No. 519, 'C' Wing
Shastri Bhawan,
New Delhi -110001.

Encl: as above

Yours faithfully,


(B.B. Bhagat)

Under Secretary to the Govt. of India
Tele: 011-23385293

Copy to:-

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

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...

9.	Brief of subjects taught		
10.	Summary of recent/ current projects undertaken		
11.	Current Interests and Assignments		
12.	(a) Visits abroad:		
	Country Visited	Duration of Visit	Purpose of visit
		From (date) To (date)	
	(b) Previous assignment with AIT, if any:		
	Term	Course taught	Seconded by Government of India or directly hired by AIT
12.	Any other relevant information:		
			Signature of Applicant.
13.	Remarks of Head of the Institution:		
			Signature of the Head of the Institution with Office seal.

SCHOOL OF ENGINEERING AND TECHNOLOGY

FOR AUGUST 2018 SEMESTER

No.	Course Title and Code	Priority	Course Description	Credits
1	AT72.01 Deterministic Optimization Model	High	Deterministic Optimization Modeling. Software Packages. Linear Programming. Integer Programming and Combinatorial Optimization. Dynamic Programming. Network Flow. Nonlinear Programming.	3(3-0)
2	AT72.04 Engineering Economy	Medium	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.	3(3-0)
3	AT73.02 Advanced Manufacturing Processes	Medium	Structural Properties of Engineering Materials. Subtractive Manufacturing Process. Unconventional Manufacturing Processes. Additive Manufacturing Processes. Formative Manufacturing Processes. Rapid Prototyping Systems. Environmental Aspects.	3(3-0)
4	AT73.17 Advanced Material Science for Design & Manufacturing	Medium	Metals, Non-Ferrous Metals, Composite Materials and Processes, Plastics, Coatings, Finishes and Adhesives, Testing of Materials, Deterioration of Materials, Economics of Material Selection, Case Studies of Material selection.	3(3-0)
5	AT81.05 Analog Integrated Circuit Design	High	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.	3(2-3)
6	AT76.14 Digital Photogrammetry	High	The course aims at providing basic photogrammetry concept, procedure, processing task and its result through project work. Error analysis is also considered and explained with various methods. Students will be trained through the software given in the lab.	2(1-3)
7	AT77.16 Digital Signal Processing	High	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.	3(2-3)
8	AT77.15 Satellite Communications	Medium	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	3(3-0)

			system.	
9	AT77.05 Teletraffic Engineering	Low	The objective of this course is to provide the basic teletraffic theory for network dimensioning and performance characterization of circuit switched public telecommunications network, broadband networks as well as the Internet.	3(2.5-1.5)

FOR JANUARY 2019 SEMESTER

No.	Course Title and Code	Priority	Course Description	Credits
1	AT72.09 Inventory and Logistic Management	High	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.	3(3-0)
2	CE74.52 Groundwater Development and Management	High	The course is aimed at providing students some fundamental knowledge of groundwater hydrology and its applications on groundwater development and management. The course provides the concepts of basin management, conjunctive use, recharge, groundwater contamination and groundwater modeling tools and techniques for the sustainable management of groundwater resources.	3(3-0)
3	AT76.15 Microwave Remote Sensing	High	This course is designed to provide fundamental knowledge and theories of microwave remote sensing. After reviewing the fundamentals of electromagnetics, both real aperture and synthetic aperture radar systems are to be introduced including physical principles.	2(2-0)
4	AT77.09 Error Control Coding	High	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.	3(3-0)
5	AT77.9009 Discrete-Time Statistical Signal Processing	Medium	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	3(3-0)