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AMUT

[Arya - Mehra University of Technd.]

1974

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XC: DR Killian, MR Johnson, DR G.S. BROWN, DR GRAY, Prof JAVAN,  
DEAN Keil, DEAN POUNDS, DR Rosenblith

OFFICE OF THE CHANCELLOR
OCT 4 1974
Ref. to _____
File <u>Amat</u> ✓

19th Sept., 1974

OFFICE OF THE PRESIDENT ROOM 3-208
SEP 27 1974
REF. TO _____

Dear President Wiesner,

Unfortunately there was no occasion during the summer for me to visit the state and to have the opportunity of seeing you. I hope you and Mrs. Wiesner are well in every way. Kenneth Galbraith just spoke at Aryamehr University yesterday, and we spoke extensively about you.

Thank you so much for all the material you have sent which has been carefully studied by our faculties. Iran is definitely interested in research in lasers and I think soon either this University or a joint national committee will be in touch with Dr. Javan.

The head of a new research center we have just established at Aryamehr University on the model of the Lincoln Laboratories at M.I.T. will be visiting your campus soon. His name is Dr. Vodjdani, I hope very much that you will give him all the assistance he need, I shall contact you soon on various specific projects and would very much appreciate receiving name of the persons who will now be responsible for this liaison between us since the retirement of Dr. Brown.

My wife joins me in sending you and Mrs. Wiesner our best wishes.

Sincerely yours,

*S.H. Nasr*

Seyyed Hossein Nasr

Professor Jerome B. Wiesner  
President  
Massachusetts Institute of Technology  
Cambridge, Massachusetts 02139  
USA





✓ AMUT  
OFFICE OF THE CHANCELLOR

SEP 4 1974

Ref. to \_\_\_\_\_

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AMUT

OFFICE OF THE PRESIDENT

CAMBRIDGE, MASSACHUSETTS 02139

August 22, 1974

His Excellency Abdol Hossein Sami'i  
The Minister of Science and Higher Education  
Tehran, Iran

Dear Dr. Sami'i:

This is written in response to your inquiry regarding how an Iranian Oceanography program might be implemented. When I wrote to you about it, I had not explored possible arrangements for I did not know whether or not it would be of interest to you.

Since hearing from you, I have talked to Dr. Press, Head of the M.I.T. Department of Earth and Planetary Sciences, who made the original suggestion, and Dr. Paul Fye, Director of the Woods Hole Oceanographic Institute. They are both very interested in exploring possible modes of collaboration or providing you with assistance in the field of oceanography. From the M.I.T. point of view, the collaboration could take a variety of forms ranging from merely advising you with regard to the elements of a suitable program, possibly involving a few scholars by way of the Arya-Mehr-M.I.T. agreement to a collaborative ocean research program jointly staffed or perhaps even the extent of M.I.T. taking on the major responsibility for creating and operating a new laboratory and new oceanography program for you. We have not done such a thing before but we have had considerable experience in the management of large laboratories and large research programs so that I think this would be practical.

Two things are required for an effective oceanography program: an especially designed and equipped ship and a shore laboratory, with the former being initially the most costly and longest lead time item. A new ocean-going ship would cost in the vicinity of six million dollars.

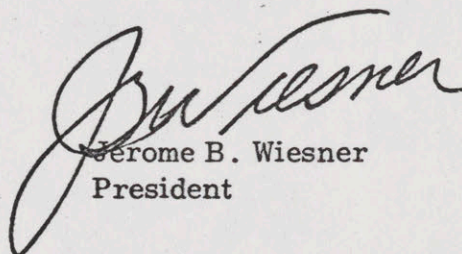


His Excellency Abdol Hossein Sami'i  
August 22, 1974  
page 2

Dr. Press reminded me that Woods Hole was about to take out of service an old but sound vessel called, The Chain and that it conceivably could be available for refurbishing. I asked Dr. Fye about this but he could not give me a definite answer because the hull belongs to the U.S. Navy. He would be willing to give up his interest in the boat and if you were interested I would be willing to explore the question of a transfer with the Navy. It would cost in the neighborhood of two million dollars to reequip and modernize The Chain.

Enclosed is the material regarding the Woods Hole and M.I.T. programs that you asked for.

Sincerely yours,



Jerome B. Wiesner  
President

JBW/jh

Enclosures

xc: Mr. Johnson  
Dr. Fye  
✓ Dr. Gray  
Dean Keil  
Dr. Press  
Dr. Rosenblith  
Development Office



✓ xc JBW



OFFICE OF THE PRESIDENT ROOM 3-208
AUG 9 1974
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Ministry of Science and Higher Education

*Please get in contact with Bess & then get back to JBW.*

Dr. Jerome H. Wiesner  
 President,  
 Massachusetts Institute of Technology,  
 Cambridge, Mass. 02139  
 U.S.A.

31st July, 1974

Dear Dr. Wiesner,

Thank you very much for your letter of July 8, 1974. Your suggestion of potential research efforts in Iran is quite interesting, and coincides with the main stream of our thoughts.

In the field of oceanography, I would appreciate receiving more information on the scope of the activity of M.I.T. and Woods Hole Oceanographic Institution. In this respect it would be desirable to establish the nature of the assistance which could be provided in research and training programs.

With warm regards.

Sincerely,

Abdol Hossein Samii, M.D.  
 Minister of Science &  
 Higher Education



AMUT

OFFICE OF THE CHANCELLOR

SEP 4 1974

Ref. to \_\_\_\_\_  
File AMUT

Memorandum from the  
PRESIDENT'S OFFICE  
M. I. T.

August 30, 1974

Xerox

To: Dr. J. R. Killian  
Mr. H. W. Johnson  
Dr. Gordon S. Brown  
Mr. V. A. Fulmer  
✓ Dr. P. E. Gray  
Gen. J. B. Lampert  
Dr. W. A. Rosenblith

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IMPERIAL EMBASSY OF IRAN  
WASHINGTON, D. C. 20008

28 AUGUST, 1974

*The Ambassador*

*my Dear President Wiesner*

I HAVE THE PLEASURE TO FORWARD HERewith  
A LETTER SENT TO YOU BY HIS IMPERIAL MAJESTY,  
THE SHAHANSHAH ARYAMEHR, IN RESPONSE TO YOUR  
RECENT LETTER.

NEEDLESS TO SAY, IF HIS MAJESTY SHOULD  
COME TO THE UNITED STATES NEXT SPRING, I WILL  
BE HAPPY TO DO WHATEVER I CAN TO ARRANGE FOR  
HIS VISIT TO YOUR DISTINGUISHED CAMPUS.

WITH MY MOST CORDIAL PERSONAL GOOD WISHES.

*I am sorry the night you were  
in Washington and had dinner with  
Frank and Gayne we could not see each  
other. I did come to the restaurant but you  
all had already gone. HOPE TO see  
you soon.*

DR. JEROME B. WIESNER  
PRESIDENT  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
CAMBRIDGE, MASSACHUSETTS

*Very sincerely yours  
Arul Ed Jaludi*





12th August, 1974.

*Dear President Wiesner,*

*I thank you for your letter of 23rd July 1974 and for the cordial invitation which you have extended to me to pay a visit to the Massachusetts Institute of Technology.*

*It will give me much pleasure to visit your renowned Institute and to observe its activities whenever I should have the opportunity of coming to the United States of America.*

*In view of the distinguished record of M. I. T. in providing excellent academic training, I am convinced that the exchange of students and faculty between the Aryamehr University of Technology and your Institute and practical men from both countries would be of enhanced mutual value and would also be conducive to furthering the educational goals we have set ourselves in Iran.*

*With best wishes,*

*Sincerely,*

*M. R. Vahlan*

*Professor Jerome B. Wiesner,  
President of the Massachusetts  
Institute of Technology.*



*Memorandum from the*  
PRESIDENT'S OFFICE  
M. I. T.

August 1, 1974

xerox for:

Dr. J. R. Killian  
Dr. H. W. Johnson  
Dr. G. S. Brown  
Mr. S. H. Cowen  
Dean Peter Gil  
Dr. P. E. Gray  
Dr. Ali Javan  
Gen. J. B. Lampert  
Mr. N. C. Lees  
Dr. Barbara Nelson  
Mr. Osgood Nichols  
Dr. W. A. Rosenblith





CHANCELLOR

ARYA - MEHR UNIVERSITY OF TECHNOLOGY

OFFICE OF THE PRESIDENT  
ROOM 3-208

JUL 30 1974

REF. TO \_\_\_\_\_

No \_\_\_\_\_

Date 17th July, 1974

Dear President Wiesner,

Thank you for your several letters all of which reached me last week. My wife and I were very happy to see you here and hope that your visit will be repeated soon this time with Mrs. Wiesner.

I have already made preliminary arrangements for the Sloane Fellows and will write you further details in about a month when I return from a three week journey to Europe.

I know that you have made profound studies of science in the Soviet Union and have written reports on the shortcomings of the totalitarian Communist regime as far as academic life and scientific activity are concerned. I would very much appreciate receiving any such reports or writings by yourself or any other authority.

The agreement between our universities has been signed and is being mailed back separately. I hope this will be the beginning of long period of cooperation.

With the best wishes to Mrs. Wiesner.

Sincerely yours,

*Seyyed Hossein Nasr*

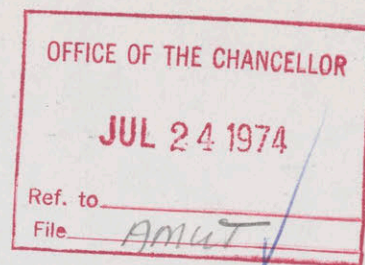
Seyyed Hossein Nasr

President J. B. Wiesner  
Massachusetts Institute of Technology  
Cambridge, Massachusetts 02139  
USA

P. O. Box 3406 EISENHOWER BLVD. TEHRAN, IRAN.

# not yet rec'd  
per SHC  
8/13





July 23, 1974

His Imperial Majesty  
Mohammad Reza Pahlevi  
Shahanshah Aryamehr  
Tehran, Iran

Your Imperial Majesty:

It is my privilege to invite you to visit the Massachusetts Institute of Technology as a distinguished guest.

My colleagues and I would be honored to welcome you to M. I. T. to demonstrate and discuss our research and educational activities and to prepare for you a special series of seminars on subjects of particular interest to you.

As I believe I told you when we met, M. I. T. has developed its strength and usefulness to our society in large measure because of the close relationship we have always had with the practical men who were building this country. It has occurred to me that practical people in similar positions in your own country might gain in a small way by coming to Cambridge and taking a look at our resources and ways of doing things. Some completely new and useful ideas of how M. I. T. could help Iran reach your own vigorous national goal should certainly come from such an assessment. This could be a useful outcome to your own visit with us, which I hope you can make. Clearly the response to a visit from you would be a great outpouring of imaginative ideas for your stimulation.

If your plans permit such a visit, I would suggest a time in late March or early April of next year when the winter is over and the weather will be mild. If that time is not convenient for you, we would, of course, be anxious to welcome you at whatever date was convenient.



May I again thank you for your kindness in receiving me during my recent stay in Tehran, and for the challenging and enjoyable visit I had to Iran.

Respectfully yours,

Jerome B. Wiesner  
President

JBW/jh

bcc: Dr. J. R. Killian  
Mr. H. W. Johnson  
Mr. V. A. Fulmer  
Dr. P. E. Gray  
Gen. J. B. Lampert  
Dr. W. A. Rosenblith



Paul

From KL - prep.

for mtg today.



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OFFICE OF THE PRESIDENT

OFFICE OF THE CHANCELLOR

JUN 21 1974

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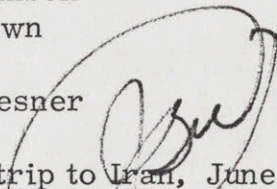
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AMUT ✓

:MEMORANDUM:

June 20, 1974

To: Academic Council  
Dr. J. R. Killian  
Dr. H. W. Johnson  
Dr. G. S. Brown

From: Jerome B. Wiesner 

Subject: Report on my trip to Iran, June 5-11, 1974

The primary purpose of my trip was to visit Dr. Nasr and his associates at the Arya-Mehr University of Technology in Tehran for discussions regarding the agreement which had been discussed with Gordon Brown, me and others at M. I. T. during Dr. Nasr's recent trip, and to explore possible areas of research collaboration. An agreement had been forwarded to Dr. Nasr after approval here and they were prepared to discuss it with me.

The Arya-Mehr group had a number of questions about the proposed agreement and suggested a number of modifications. I talked them out of some that were inconsistent with the way M. I. T. could collaborate, and I tentatively agreed to some minor changes which did not seem to me to affect the basic nature of the proposal. I said, however, that it was not customary for me to make unilateral agreements and that the changes would have to be approved by appropriate people at M. I. T. before the document could be finally agreed to. A copy of the agreement as we agreed to it in Tehran is in the hands of Mr. Cowen for approval or alternate suggestions.

During my six days in Iran, I talked extensively with members of the administration and faculty of the A. M. U.T., inspected the existing campus in Tehran and visited the site of the new campus in Isfahan. I also talked with many ministers and deputy ministers of the government, who are responsible for industrial development, education, research, agriculture, health care and other social welfare activities. In particular, I had more than an hour's



discussion with the Shah, accompanied by Dr. Nasr. I also had a one and one-half hour talk with the Prime Minister, Mr. Hoveida, and I spent considerable time on several occasions with Dr. Abdulhossein Samii, the newly appointed Minister of Science and Higher Education.

The general mood in Iran at the moment is one of optimism, expansionism and general ebullience, based of course on the vastly increased funds available to the government for social development. It is obvious that everyone expects that the rather successful industrialization of Iran will now move considerably faster and that the accomplishment of many social dreams having to do with education, social development and the elimination of illiteracy and poverty can be vastly speeded up.

There may be very extensive opportunities for M. I. T. beyond the simple Arya-Mehr exchange program for collaboration and support, but we must bring a degree of reality to the overly optimistic mood that exists there lest we get caught up in unrealizable projects. The M. I. T. group that was in Iran on an independent visit to Mr. Ansari was somewhat discouraged by the attitudes that they encountered and they are slightly more pessimistic about their ability to help develop a technician training program than they were before they went to Iran. They intend to talk with Dr. Douglas Knight about the problems they encountered and hopefully these can be worked out.

During my talks with Dr. Samii, he expressed a desire to create some national research centers and an Iranian Science Foundation. The centers would work on basic and applied research problems that had particular relevance to Iran, while the science foundation would function very much as our N. S. F. does but would be prepared to support research programs proposed by people in other countries, as well as in Iran. I have agreed to send Dr. Samii a list of people who might serve as advisors for setting up the Iranian Science Foundation. He also asked me to suggest the names of individuals who could advise him on the national research centers he has in mind. In the discussions with Prime Minister Hoveida, Dr. Samii and Dr. Nasr, it was suggested that we consider joint research proposals involving M. I. T. and A. M. U. T. that would contribute to the development of the university itself or were of a more general importance to Iran. It occurred to me that there might be a possibility of joint efforts in astronomy, and I mentioned this to Dr. Nasr and his colleagues. They appeared interested, but we did not explore this in depth. Arya-Mehr University of Technology does not have any significant capability in astronomy. There is considerable interest in expanding their activities in communications, metallurgy, chemical engineering generally, and in the social sciences, including both economics and the issues of science and technology in a contemporary society. They



are particularly interested in the problems of management of modern technological societies and in the problems of providing medical care.

At the end of the meeting, the Shah expressed an interest in visiting M. I. T. and I questioned Dr. Nasr later about whether or not this was a serious discussion and Dr. Nasr said that he thought that the Shah was seriously interested in such a visit.

My plan for the immediate future includes having the agreement checked and returned to A. M. U. T. ; making suggestions to Dr. Samii regarding the two advisory committees with which I agreed to help; seeking out a coordinator for the A. M. U. T. program; and exploring with the academic council and department heads any research activities they would suggest for collaborative programs, either here or in Iran.

I also have been thinking about the feasibility of asking support for the Energy Laboratory.

I would appreciate reactions to these various points.

JBW/jh

cc: Mr. J. W. Lambert  
Gen. J. B. Lampert  
Mr. N. C. Lees  
Dr. B. S. Nelson



AN AGREEMENT FOR A PROGRAM OF  
COLLABORATION BETWEEN  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
AND  
ARYA-MEHR UNIVERSITY OF TECHNOLOGY

I. INTRODUCTION

The mandate set forth by His Imperial Majesty the Shah for the Arya-Mehr University of Technology (AMUT) is, on the one hand, to educate a group of elite engineers and scientists who will become the key instruments of the future economic and social development of Iran and, on the other hand, through research and development programs conducted on the campus by students and faculty, to accelerate the transfer of science and technology into the societal fabric of Iran to ameliorate the pressing industrial, economic, social, and human problems of a fast-paced industrializing society.

AMUT is presently operating an eight-year-old campus of about 3,000 students and 300 faculty members in Tehran -- the average age of the faculty is about thirty. The Arya-Mehr University of Technology at Isfahan is expected to start classes in September, 1976. The Isfahan campus will have an innovative program which has been developed with the assistance of Professor Gordon S. Brown of M.I.T. and is expected to have 8-10 thousand students and about eleven hundred faculty in the final stages of development.



## II. PROGRAM OBJECTIVES

The principle aim of this cooperative program with the Massachusetts Institute of Technology (M.I.T.) is to enable the present and future members of the AMUT faculty, through a period of residence at M.I.T., to be introduced to the frontiers of science and technology in their fields of interest; to obtain an awareness of the spirit of M.I.T.; to understand how M.I.T. organizes and operates to innovate change; to acquire a first-hand experience with the mechanisms that have contributed to the success of the faculty, students, and administration of M.I.T. in adapting to challenges set forth by the changing world society. It is not intended that the development of AMUT will be directed by M.I.T. nor that activities at M.I.T. will be copied exactly, but rather through this program AMUT will be able to establish its own educational and research programs on a firm course compatible with the culture and problems of Iran, and through the strength derived from the experiences of AMUT faculty at M.I.T., to take long range steps with confidence.

## III. THE PROGRAM IN BRIEF:

It is intended that the program of collaboration provide:

1. For the training, leading to advanced degrees, at M.I.T. of a selected number of outstanding students who are expected to be employed as members of the faculty of the Arya-Mehr University at Isfahan;
2. For selected members of the faculty of the Arya-Mehr University to spend not less than one semester as visiting faculty at M.I.T.;
3. For a limited number of administrative personnel -- librarians, admissions office staff, research administrative staff, etc., to spend a period of residence at M.I.T.;
4. For the faculty and staff of M.I.T. to develop working professional ties with the faculty of AMUT through visits by M.I.T. faculty and administrators to Iran, and vice versa, and by collaborative research projects of mutual interest that are particularly relevant to the problems of Iran.



The cooperative program will be administered by a Coordinator at M.I.T. His duties and obligations are described on the following pages.

AMUT will furnish funds to support M.I.T. departmental expenses and the cost of miscellaneous materials and services associated with the academic visitors (as described in the following pages); funds to establish a parent account for research related costs and stipends for graduate students from AMUT appointed as research and/or teaching assistants; funds for the expenses of the Coordinator's office.

#### IV. PROCEDURES

The procedures to achieve the above goals are visualized as follows:

##### IV-1. Graduate Students

AMUT will select and nominate to the M.I.T. Graduate School young men who are expected to obtain an advanced degree (master or doctorate) and who at some time during their tenure at the Institute may have the dual status of graduate student and junior staff. It is assumed that the normal procedure will be for a full-time graduate student who is admitted with only a bachelor's degree to be a full-time graduate student for the first year. At some time during the student's academic program, the M.I.T. Coordinator (see page 5 of this section) will aid in seeking in an appointment for the student in a department or laboratory either as a teaching or research assistant, depending upon what seems most advantageous to the student's program. It is hoped that in order to obtain and fulfill the junior staff status the period of residence required to complete the advanced degree program will not be appreciably extended.

Whenever the appropriate teaching or research opportunity exists for graduate students to become staff assistants to further both their objectives and the objectives of AMUT, and funds under M.I.T. control are available for stipend payments, it is expected that they will be paid from such funds. However, when funds for support are not available at M.I.T., the normal stipend will be paid from the parent account funds provided by AMUT as part of this proposal. The normal policies of M. I. T. regarding overhead charges on the salaries of staff assistants will be followed.



For all graduate students from AMUT, either on a full-time academic schedule or while combining studies with a part-time staff assistant position, normal M.I.T. tuition will be remitted directly to M.I.T. by AMUT.

It is expected that the normal M.I.T. rules and regulations pertaining to student's achievement and personal behavior will be applicable to all the graduate students in this program. Furthermore, AMUT will have the right to recall any participant in this program for whatever reason deemed necessary solely by AMUT.

Since M.I.T. has more applications from qualified students than it can accept for admission as degree candidates, other young men from AMUT may come to M.I.T. as special students. Under this program they will affiliate with the Center for Advanced Engineering Study (CAES) as Fellows in the Advanced Study Program. They may eventually become degree candidates at M.I.T. For the Advanced Study Program, however, their applications will be evaluated by the Office of the Coordinator and the CAES, rather than by the Graduate School Admissions Office.

These students, as Fellows in the CAES, but not regular graduate students, can do many things. For example, they can develop an interdisciplinary program that may differ substantially from a formal degree program. They need not meet all the requirements for an M.I.T. advanced degree. They can pursue their program in a manner that depends on the length of their visit. They may attend regular graduate and undergraduate subjects and seminars. They may also attend special subjects and seminars offered by the CAES. They may engage in research and in individual studies guided by the members of the M.I.T. faculty. They will have study offices in the Center. The Fellows of the Center receive a certificate upon completion of their program. They may, during their program, apply for admission to the Graduate School using credit subjects they have satisfactorily completed toward degree requirements. If they are admitted as regular graduate students they will receive a degree upon completion of their program.

The activities of the Fellows in CAES will be determined by discussions with AMUT. The Advanced Study Program tuition will be remitted directly to M.I.T. by AMUT.



## IV-2. Faculty

AMUT will nominate faculty for appointments at M.I.T. as visiting faculty members with the same rank as carried at AMUT.

Since these visiting faculty will participate at M.I.T. in the dual role of academic scholars and professional colleagues and since decisions on staffing plans and space allocations are made by M.I.T. during the spring term preceding the academic year, the names of those nominated to be visiting faculty, a record of their professional accomplishments, and an outline of their areas of interest should be known by the M.I.T. Coordinator not later than the end of January of the preceding term. This will make it possible for the Coordinator to ask the department to which the visitor is likely to be associated to review the nominee's objectives and accomplishments, and determine whether the department will have the resources to accommodate the dual nature of the visitor's activities and will be his host.

Generally, it is expected that the visiting faculty member will be attached to a department. In other instances, for example, when his interests span several departments, he may be attached to a Research Center or to the CAES. In any case, the intention is that he have an office and become involved in professional work related to his interests as well as in the organization and policy making activities around him.

AMUT will pay directly to each professor his salary and living expenses. The M.I.T. host department will be reimbursed for supervisory and miscellaneous support expenses from funds provided by AMUT as part of this proposal. AMUT's reimbursement to M.I.T. will be calculated at 30% of the average M.I.T. academic salary of a professor of equivalent rank, prorated for the interval of time spent at M.I.T. by the visiting professor from AMUT. Nothing in this agreement is intended to prevent individual arrangements between M.I.T. departments and AMUT faculty.

Whenever a particular visiting faculty member, on the advice of his M.I.T. faculty colleague and with the approval of the M.I.T. Coordinator, wishes to pursue specific research of his own choosing, the Coordinator will be authorized to allocate funds for such research from the parent account up to a maximum of \$5,000 a year. Typical



items of expense might be computer time, the manufacture of specific apparatus, the purchase of books specifically needed for his program, purchase of special equipment, visits to other institutions, and secretarial services. All equipment and books provided through this channel will be deemed the property of Arya-Mehr and may be taken back to Iran. Whenever the visiting professor affiliates with an on-going research program at M.I.T. and makes contributions that help M.I.T. fulfill its commitment to its sponsor and when M.I.T. project funds are available, the project will carry these expenses. In some instances, it is possible that both M.I.T. controlled and AMUT furnished funds will be used.

In addition to activities of a strictly professional character, such as study and research, the visiting professors will be encouraged to attend faculty meetings, participate in departmental conferences, perform teaching as the opportunity offers and, in general, be encouraged to do those things which will furnish insight into the M.I.T. infrastructure.

#### IV-3. Administrative Personnel

From time to time, the members of the administrative staff of AMUT will visit M.I.T. for a period of a few weeks up to an academic term. Likewise, it is visualized that selected administrative personnel from M.I.T. will visit AMUT. The visitors from AMUT will be given the opportunity to learn about M.I.T. policies and procedures on, for example, admissions, registration, library, student residential matters, maintenance of physical plant, computerized departmental administration, planning and allocation of academic and research funds and space, alumni relationships, and relationships with industry.

Administrators will affiliate with either an administrative office or with the Center for Advanced Engineering Study depending upon their interest, and how M.I.T. resources can help them meet their objectives.

M.I.T. will be reimbursed for its expenses in meeting the needs of these visitors in a manner patterned after the procedure for reimbursing M.I.T. for supervisory expenses and materials and services for visiting faculty. Wherever, after consultation with the visitor and the M.I.T. Coordinator, it becomes desirable to allocate a substantial fraction of the time



of a member of the M.I.T. staff to work with this visitor. M.I.T. will be reimbursed from the parent account for its costs in a manner similar to its reimbursement for sponsored research.

#### IV-4. Collaborative Work

It is expected in this program that certain educational or research collaborative work will be conducted. To promote this activity, it is visualized that the scholars from each institution will make visits to the other institution as circumstances dictate. AMUT will support the expense of the program definition phase of such joint projects which have a direct relevance in Iran. It is expected that the problem definition phase will be initiated through an exchange of correspondence between the institutional Coordinators. This correspondence will be expected, in broad outline, to define the proposed level and nature of activity. After it is agreed by AMUT and M.I.T. that a joint project is appropriate, the M.I.T. Coordinator is then authorized to draw from the parent account the expenses (salaries, overhead and operating costs) of the M.I.T. people related to the problem definition activity.

Once a joint project has been defined a separate financial agreement will be prepared. The parties of this agreement are expected to seek support outside of this proposal for the conduct of such projects.

AMUT will, from time to time, confer with M.I.T., through the M.I.T. Coordinator's Office, on matters related to the initiation of new research or teaching activities in Iran.

In addition to collaborative work that is of direct interest to AMUT and Iran, there is visualized under this agreement the conduct of collaborative work that primarily is of interest to the M.I.T. faculty. Such cooperative work will be encouraged and understandings as to how M.I.T. shall finance this work on its behalf will be arrived at after discussions between the Coordinators at M.I.T. and AMUT.

#### V. The M.I.T. Coordinator

M.I.T. will designate a Coordinator whose responsibilities will be to take the necessary action within the resources of M.I.T.



to maximize the opportunities available to the visitors who come to M.I.T. as part of this program.

The Coordinator will introduce the visitor to the M.I.T. faculty member or members with whom he will work.

The Coordinator's Office will render assistance so as to facilitate the entry and activity of the visitor within the M.I.T. environment. The experience of M.I.T. in previous programs with sister universities has shown that the visitors benefit greatly by being introduced to the social and cultural life of both the campus and the Boston community. Visiting scholars from foreign countries usually need assistance in the location of housing. The M.I.T. Housing Office will be called upon for this assistance. Whenever it is possible to provide dormitory space for graduate students or apartments in the M.I.T. student housing complex, the opportunity will be offered to the visitor.

The Coordinator will develop with the visiting faculty the guidelines of their program of activities at M.I.T. and will work with the visiting faculty to help ensure the success of their visits.

The Office of the M.I.T. Coordinator will be responsible for the financial management of this program. The M.I.T. Coordinator will have the authority to allocate funds from the parent account, within the guidelines set forth herein, for the specific research and study of the visiting faculty.

Whenever the best interest of the visiting faculty member or graduate student would be served by an assignment for a period at an industrial establishment to be selected in collaboration with AMUT or in the case of departments at M.I.T. that have developed cooperative course programs, at the plants of the practice school companies or a cooperative course company, the M.I.T. Coordinator may authorize the transfer of the funds necessary to support these assignments from the parent account.

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

By Stuart H. Cowen

Title Stuart H. Cowen, Vice President for  
Financial Operations

Date June 19, 1974

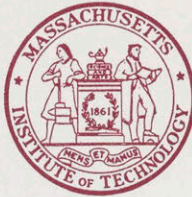
ARYA-MEHR UNIVERSITY OF TECHNOLOGY

By \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_





OFFICE OF THE PRESIDENT

OFFICE OF THE CHANCELLOR  
JUL 2 1974  
Ref. to \_\_\_\_\_  
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*(Arya-Mehr Univ  
of Technology)*

July 2, 1974

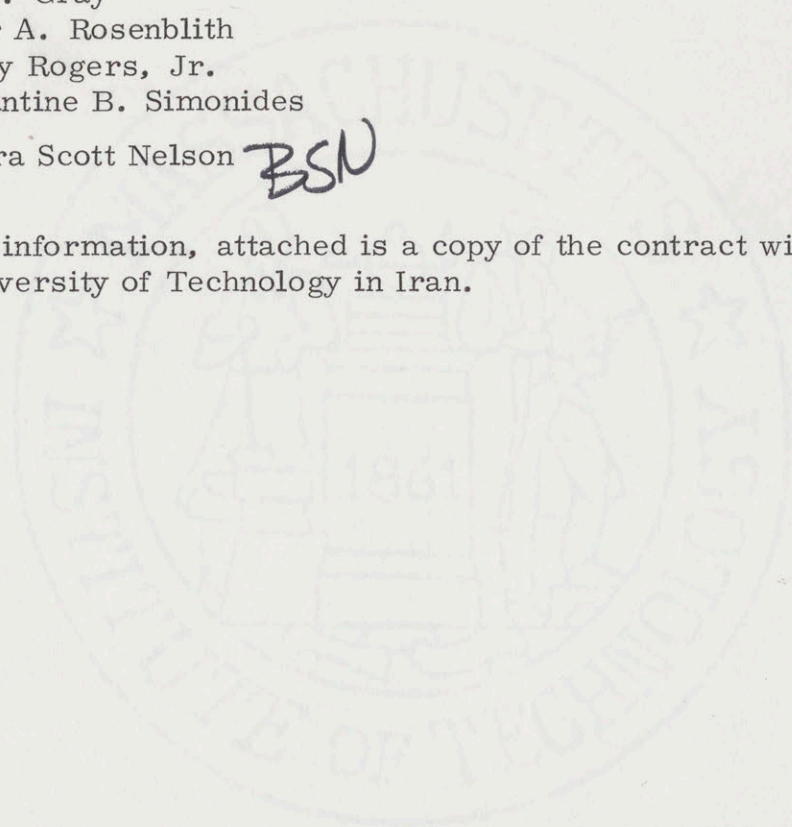
TO: Paul E. Gray  
Walter A. Rosenblith  
Hartley Rogers, Jr.  
Constantine B. Simonides

FROM: Barbara Scott Nelson

*BSN*

For your information, attached is a copy of the contract with Arya-Mehr University of Technology in Iran.

BSN/lrb  
Attachment





AN AGREEMENT FOR A PROGRAM OF  
COLLABORATION BETWEEN  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
AND  
ARYA-MEHR UNIVERSITY OF TECHNOLOGY

I. INTRODUCTION

The mandate set forth by His Imperial Majesty the Shah for the Arya-Mehr University of Technology (AMUT) is, on the one hand, to educate a group of elite engineers and scientists who will become the key instruments of the future economic and social development of Iran and, on the other hand, through research and development programs conducted on the campus by students and faculty, to accelerate the transfer of science and technology into the societal fabric of Iran to ameliorate the pressing industrial, economic, social, and human problems of a fast-paced industrializing society.

AMUT is presently operating an eight-year-old campus of about 3,000 students and 300 faculty members in Tehran -- the average age of the faculty is about thirty. The Arya-Mehr University of Technology at Isfahan is expected to start classes in September, 1976. The Isfahan campus will have an innovative program which has been developed with the assistance of Professor Gordon S. Brown of M.I.T. and is expected to have 8-10 thousand students and about eleven hundred faculty in the final stages of development.



## II. PROGRAM OBJECTIVES

The principle aim of this cooperative program with the Massachusetts Institute of Technology (M.I.T.) is to enable the present and future members of the AMUT faculty, through a period of residence at M.I.T., to be introduced to the frontiers of science and technology in their fields of interest; to obtain an awareness of the spirit of M.I.T.; to understand how M.I.T. organizes and operates to innovate change; to acquire a first-hand experience with the mechanisms that have contributed to the success of the faculty, students, and administration of M.I.T. in adapting to challenges set forth by the changing world society. It is not intended that the development of AMUT will be directed by M.I.T. nor that activities at M.I.T. will be copied exactly, but rather through this program AMUT will be able to establish its own educational and research programs on a firm course compatible with the culture and problems of Iran, and through the strength derived from the experiences of AMUT faculty at M.I.T., to take long range steps with confidence.

## III. THE PROGRAM IN BRIEF:

It is intended that the program of collaboration provide:

1. For the training, leading to advanced degrees, at M.I.T. of a selected number of outstanding students who are expected to be employed as members of the faculty of the Arya-Mehr University at Isfahan;
2. For selected members of the faculty of the Arya-Mehr University to spend not less than one semester as visiting faculty at M.I.T.;
3. For a limited number of administrative personnel -- librarians, admissions office staff, research administrative staff, etc., to spend a period of residence at M.I.T.;
4. For the faculty and staff of M.I.T. to develop working professional ties with the faculty of AMUT through visits by M.I.T. faculty and administrators to Iran, and vice versa, and by collaborative research projects of mutual interest that are particularly relevant to the problems of Iran.



The cooperative program will be administered by a Coordinator at M.I.T. His duties and obligations are described on the following pages.

AMUT will furnish funds to support M.I.T. departmental expenses and the cost of miscellaneous materials and services associated with the academic visitors (as described in the following pages); funds to establish a parent account for research related costs and stipends for graduate students from AMUT appointed as research and/or teaching assistants; funds for the expenses of the Coordinator's office.

#### IV. PROCEDURES

The procedures to achieve the above goals are visualized as follows:

##### IV-1. Graduate Students

AMUT will select and nominate to the M.I.T. Graduate School young men who are expected to obtain an advanced degree (master or doctorate) and who at some time during their tenure at the Institute may have the dual status of graduate student and junior staff. It is assumed that the normal procedure will be for a full-time graduate student who is admitted with only a bachelor's degree to be a full-time graduate student for the first year. At some time during the student's academic program, the M.I.T. Coordinator (see page 5 of this section) will aid in seeking in an appointment for the student in a department or laboratory either as a teaching or research assistant, depending upon what seems most advantageous to the student's program. It is hoped that in order to obtain and fulfill the junior staff status the period of residence required to complete the advanced degree program will not be appreciably extended.

Whenever the appropriate teaching or research opportunity exists for graduate students to become staff assistants to further both their objectives and the objectives of AMUT, and funds under M.I.T. control are available for stipend payments, it is expected that they will be paid from such funds. However, when funds for support are not available at M.I.T., the normal stipend will be paid from the parent account funds provided by AMUT as part of this proposal. The normal policies of M. I. T. regarding overhead charges on the salaries of staff assistants will be followed.



For all graduate students from AMUT, either on a full-time academic schedule or while combining studies with a part-time staff assistant position, normal M. I. T. tuition will be remitted directly to M. I. T. by AMUT.

It is expected that the normal M. I. T. rules and regulations pertaining to student's achievement and personal behavior will be applicable to all the graduate students in this program. Furthermore, AMUT will have the right to recall any participant in this program for whatever reason deemed necessary solely by AMUT.

Since M. I. T. has more applications from qualified students than it can accept for admission as degree candidates, other young men from AMUT may come to M. I. T. as special students. Under this program they will affiliate with the Center for Advanced Engineering Study (CAES) as Fellows in the Advanced Study Program. They may eventually become degree candidates at M. I. T. For the Advanced Study Program, however, their applications will be evaluated by the Office of the Coordinator and the CAES, rather than by the Graduate School Admissions Office.

These students, as Fellows in the CAES, but not regular graduate students, can do many things. For example, they can develop an interdisciplinary program that may differ substantially from a formal degree program. They need not meet all the requirements for an M. I. T. advanced degree. They can pursue their program in a manner that depends on the length of their visit. They may attend regular graduate and undergraduate subjects and seminars. They may also attend special subjects and seminars offered by the CAES. They may engage in research and in individual studies guided by the members of the M. I. T. faculty. They will have study offices in the Center. The Fellows of the Center receive a certificate upon completion of their program. They may, during their program, apply for admission to the Graduate School using credit subjects they have satisfactorily completed toward degree requirements. If they are admitted as regular graduate students they will receive a degree upon completion of their program.

The activities of the Fellows in CAES will be determined by discussions with AMUT. The Advanced Study Program tuition will be remitted directly to M. I. T. by AMUT.



## IV-2. Faculty

AMUT will nominate faculty for appointments at M.I.T. as visiting faculty members with the same rank as carried at AMUT.

Since these visiting faculty will participate at M.I.T. in the dual role of academic scholars and professional colleagues and since decisions on staffing plans and space allocations are made by M.I.T. during the spring term preceding the academic year, the names of those nominated to be visiting faculty, a record of their professional accomplishments, and an outline of their areas of interest should be known by the M.I.T. Coordinator not later than the end of January of the preceding term. This will make it possible for the Coordinator to ask the department to which the visitor is likely to be associated to review the nominee's objectives and accomplishments, and determine whether the department will have the resources to accommodate the dual nature of the visitor's activities and will be his host.

Generally, it is expected that the visiting faculty member will be attached to a department. In other instances, for example, when his interests span several departments, he may be attached to a Research Center or to the CAES. In any case, the intention is that he have an office and become involved in professional work related to his interests as well as in the organization and policy making activities around him.

AMUT will pay directly to each professor his salary and living expenses. The M.I.T. host department will be reimbursed for supervisory and miscellaneous support expenses from funds provided by AMUT as part of this proposal. AMUT's reimbursement to M.I.T. will be calculated at 30% of the average M.I.T. academic salary of a professor of equivalent rank, prorated for the interval of time spent at M.I.T. by the visiting professor from AMUT. Nothing in this agreement is intended to prevent individual arrangements between M.I.T. departments and AMUT faculty.

Whenever a particular visiting faculty member, on the advice of his M.I.T. faculty colleague and with the approval of the M.I.T. Coordinator, wishes to pursue specific research of his own choosing, the Coordinator will be authorized to allocate funds for such research from the parent account up to a maximum of \$5,000 a year. Typical



items of expense might be computer time, the manufacture of specific apparatus, the purchase of books specifically needed for his program, purchase of special equipment, visits to other institutions, and secretarial services. All equipment and books provided through this channel will be deemed the property of Arya-Mehr and may be taken back to Iran. Whenever the visiting professor affiliates with an on-going research program at M.I.T. and makes contributions that help M.I.T. fulfill its commitment to its sponsor and when M.I.T. project funds are available, the project will carry these expenses. In some instances, it is possible that both M.I.T. controlled and AMUT furnished funds will be used.

In addition to activities of a strictly professional character, such as study and research, the visiting professors will be encouraged to attend faculty meetings, participate in departmental conferences, perform teaching as the opportunity offers and, in general, be encouraged to do those things which will furnish insight into the M.I.T. infrastructure.

#### IV-3. Administrative Personnel

From time to time, the members of the administrative staff of AMUT will visit M.I.T. for a period of a few weeks up to an academic term. Likewise, it is visualized that selected administrative personnel from M.I.T. will visit AMUT. The visitors from AMUT will be given the opportunity to learn about M.I.T. policies and procedures on, for example, admissions, registration, library, student residential matters, maintenance of physical plant, computerized departmental administration, planning and allocation of academic and research funds and space, alumni relationships, and relationships with industry.

Administrators will affiliate with either an administrative office or with the Center for Advanced Engineering Study depending upon their interest, and how M.I.T. resources can help them meet their objectives.

M.I.T. will be reimbursed for its expenses in meeting the needs of these visitors in a manner patterned after the procedure for reimbursing M.I.T. for supervisory expenses and materials and services for visiting faculty. Wherever, after consultation with the visitor and the M.I.T. Coordinator, it becomes desirable to allocate a substantial fraction of the time



of a member of the M.I.T. staff to work with this visitor. M.I.T. will be reimbursed from the parent account for its costs in a manner similar to its reimbursement for sponsored research.

#### IV-4. Collaborative Work

It is expected in this program that certain educational or research collaborative work will be conducted. To promote this activity, it is visualized that the scholars from each institution will make visits to the other institution as circumstances dictate. AMUT will support the expense of the program definition phase of such joint projects which have a direct relevance in Iran. It is expected that the problem definition phase will be initiated through an exchange of correspondence between the institutional Coordinators. This correspondence will be expected, in broad outline, to define the proposed level and nature of activity. After it is agreed by AMUT and M.I.T. that a joint project is appropriate, the M.I.T. Coordinator is then authorized to draw from the parent account the expenses (salaries, overhead and operating costs) of the M.I.T. people related to the problem definition activity.

Once a joint project has been defined a separate financial agreement will be prepared. The parties of this agreement are expected to seek support outside of this proposal for the conduct of such projects.

AMUT will, from time to time, confer with M.I.T., through the M.I.T. Coordinator's Office, on matters related to the initiation of new research or teaching activities in Iran.

In addition to collaborative work that is of direct interest to AMUT and Iran, there is visualized under this agreement the conduct of collaborative work that primarily is of interest to the M.I.T. faculty. Such cooperative work will be encouraged and understandings as to how M.I.T. shall finance this work on its behalf will be arrived at after discussions between the Coordinators at M.I.T. and AMUT.

#### V. The M.I.T. Coordinator

M.I.T. will designate a Coordinator whose responsibilities will be to take the necessary action within the resources of M.I.T.



to maximize the opportunities available to the visitors who come to M. I. T. as part of this program.

The Coordinator will introduce the visitor to the M. I. T. faculty member or members with whom he will work.

The Coordinator's Office will render assistance so as to facilitate the entry and activity of the visitor within the M. I. T. environment. The experience of M. I. T. in previous programs with sister universities has shown that the visitors benefit greatly by being introduced to the social and cultural life of both the campus and the Boston community. Visiting scholars from foreign countries usually need assistance in the location of housing. The M. I. T. Housing Office will be called upon for this assistance. Whenever it is possible to provide dormitory space for graduate students or apartments in the M. I. T. student housing complex, the opportunity will be offered to the visitor.

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By Stuart H. Cowen

Title Stuart H. Cowen, Vice President for  
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Date June 19, 1974

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