

DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY PUNE
(Deemed to be University)

No. DIAT/F/ADMIN/12th GCM/2019/

Dated 28th Feb, 2019

**MINUTES OF THE 12th MEETING OF THE GOVERNING COUNCIL HELD ON
Feb 28, 2019 AT ROOM NO. 531, 5TH FLOOR, DRDO BHAVAN, NEW DELHI**

The following were present:

Members

(i)	Dr G Satheesh Reddy, Secretary, DDR&D	Chairman
(ii)	Vice Admiral R Hari Kumar, AVSM, VSM, Chief of Personnel (COP)	Member
(iii)	Air Marshal Amit Tiwari, AVSM, VM, Air Officer Personnel (AOP)	Member
(iv)	Shri K S Varaprasad, OS / SC 'H' & DG (HR), DRDO	Member
(v)	Shri Subir Mallick, Addl FA & JS R&D	Member
(vi)	Maj Gen A K Dhingra, SM, ADGMT (A)	Member
(vii)	Maj Gen Arvind Bhatia, ACIDS (TRADOC)	Member
(viii)	Dr. C. P. Ramanarayanan, Vice Chancellor, DIAT	Member Secretary

Invitees:

(i)	Dr Zakwan Ahmed, DG (R&M) DRDO	Spl Invitee
(ii)	Dr Ashok Kumar, Dir, DHRD, DRDO	Spl Invitee
(iii)	Col Choube, O/o CE(CWE), DRDO	Spl Invitee
(iv)	Shri Aloke, CCE (W), DRDO	Spl Invitee
(v)	Cmde A K Sinha (Rtd), Registrar, DIAT	Invitee
(vi)	Shri R A Jahagirdar, Finance Officer, DIAT	Invitee
(vii)	Shri T V Ananthasubramanian, Jt Registrar, DIAT	Invitee

Prof Raghunath Shevgaonkar and Prof Ramgopal Rao were allowed leave of absence.

The Vice Chancellor DIAT wished all, a very good morning and welcomed the new Chairman, Members and invitees to the Meeting and informed that the Agenda has been circulated among DRDO, IDS HQ and the Service HQs. He requested support of all, for the growth of the Institute and informed that all updates of the activities of the Institution and the agenda are covered in the presentation, which will follow.

With this, he requested the Chairman for his opening remarks.

Item No. 12.1

The Chairman, in his opening remarks, expressed his personal affection with the institute where he served for 7-8 months during 1985 and informed that he has developed a bonding with the institute since then and that the tenure there has been the happiest part of his life. He said, DIAT is a very good institute for the Services, inculcating technological excellence in Defence Technologies to Armed Forces and DRDO personnel. The institute is a bubbling place with around 1000 students at any point of time which consist of around 600 M.Tech students, around 180 PhD students and the rest, research students and trainees attending various customized training programmes. He said, it is the responsibility of the Council to see that the institute becomes a leading learning and teaching institute for modern technologies. The chairman enquired the possibility of inviting eminent technologists from the country, who could stay for about 2-4 weeks; deliver focused specialized lectures on hypersonic technologies, Terra Hz technology etc. He called for efforts towards collaboration with other renowned academic institutions viz., Stanford University

etc., and working on Magnetic Interferometry, Atomic Energy among other areas. The GC should ensure that the Institute grows, excels in Academics and Research and also sustains economically, he added.

With the above opening remarks, Chairman directed to go ahead with the agenda.

Item No. 12.2

REPORTING ITEMS:

The following reporting items were presented to the GC.

- a. The GC was informed that the UGC has accepted the change of name of IAT, to Defence Institute of Advanced Technology and that the MHRD has notified the same.

During the brief discussion on this, the Service Reps enquired whether the word "Defence" creates any obstacles in getting eminent people from India and abroad to the campus or for students or faculty during their visits abroad. It was informed that it does not pose any such problems.

- b. The following cases of Faculty promotions effected under Career Advancement Scheme as per the UGC guidelines and staff promotions through DPC were presented to the GC for ratification.

S. No.	Details of the Faculty	Promoted under CAS Levels/ Designations	Effective date of promotion
1	Dr. C. R. S. Kumar	Associate Professor to Professor	14/11/2018
2	Dr. D. G. Thakur	Associate Professor to Professor	14/11/2018
3	Dr. Suwarna Datar	Assistant Professor Stage-2 to 3	30/03/2018
4	Dr. Manisha Nene	Assistant Professor Stage-2 to 3	01/11/2018
5	Dr. Vijay Hiwarkar	Assistant Professor Stage-1 to 2	30/09/2018

Staff promotion through DPC:

Sr. No.	Name	Promoted to
1	Shri Sachin Darade	Lab Assistant to Sr. Lab Assistant
2	Shri Abhijeet Kamble	Lab Assistant to Sr. Lab Assistant
3	Shri Subodh Kumar Pandey	Assistant to Sr. Assistant
4	Shri Mangesh P Burde	Assistant to Sr. Assistant
5	Shri Akshay Ashok Mokal	Tradesman to Laboratory Assistant

It was informed that the faculty promotions have been recommended by the BoM and that the promotions were effected as per the laid down principles. The GC ratified the promotions.

c. Infrastructure Improvement in the last 3 years at DIAT:

The following account of the infrastructure development was presented to the Governing Council:

Dept labs renovated in the last 3 years:

Sr. No.	Department	Year	Cost (in lakhs)
(a)	Electronics Engg	2017	42.71
(b)	Mechanical Engg	2017	14.00
(c)	Computer Engg	2018	36.03
(d)	Entire Rocket Propulsion Complex	2018	89.50
(e)	Aerospace Engg	2017	65.47
(f)	Incubation Centre has been created now	2018	18.61
(g)	Physics Dept.	2018	21.00

Facilities under renovation:-

Sr. No.	Department	EDC	Cost (in lakhs)
(a)	Remaining portion of Computer Dept	Dec 2019	47.65
(b)	MMG Complex	Jun 2019	23.69
(c)	Special repairs of the entire main building rooms, offices, classroom and labs	Apr 2020	830.18

To an enquiry about details of special repairs to the main building, it was informed that it includes repair to the entire main building including the space under MILIT and consists of water-proofing of roof, replacement of tiles, wiring and plumbing etc. To the question by ACIDS, TRADOC about the ability of GE/MES, the agency undertaking the repairs to ensure quality of works, it was informed that the progress is monitored regularly. About the procedure for approval and handling of such large repairs, it was informed that the case is forwarded to RD-28 for approval and DRDO HQ decides the agency to execute the work.

New constructions underway:

Sr. No.	Department	EDC	Cost (in lakhs)
(a)	100 rooms Girls Hostel	March 2019	1842.05
(b)	100 rooms Boys Hostel		
(c)	PhD Hostel and Studio Apartments for Visiting Faculty of 48 rooms	Feb 2020	4593.00

To the enquiry by AOP on the occupancy / demand for such large number of hostel rooms, it was informed that already, the students are being accommodated in twin / triple sharing basis and demand is in place and also that DIAT is aiming to have approx 1200 students at any given point of time on campus.

New Proposals:

The GC was informed that the following new Infrastructure has been approved by the General Body:

- (a) Large EMI/EMC & UAV range
- (b) Classroom complex with 10 classroom and Mini Auditorium
- (c) Administrative Block
- (d) Aerospace Block, Centres of Excellence for Radar and Nano Technology
- (e) Hostel for International Students
- (f) Students Canteen
- (g) Sports Complex

- (h) MT Pool
- (i) MI Room
- (j) Additional Guest House

The proposal received through DRDO HQ to have foreign students from Ethiopia, Kenya and South Africa from July 2019 for the various M.Tech programmes also was presented while discussing about the requirement for an international hostel. Though it would be difficult to have the international hostel in place before July 2019, it was informed that a portion of the girls hostel under construction will be used temporarily to house such foreign students and later, once the new facility could be in place, will be provided to them.

The Rep of CE(CWE), DRDO informed that the proposal is to put the new infrastructure construction in a long term plan (roll-on plan) over 3 to 5 years to spread over the potential expenditure involved in such construction.

During the discussion, the Vice Chancellor informed that the present Guest House in the campus has only 8 rooms which is not suitable for VVIPs and is inadequate to meet the present demand itself. The Addl FA & JS R&D informed that the GH could be a good one with adequate state of the art facilities but need not be with the objective of accommodating President of India or dignitaries of similar stature as their utility if at all, will be very rare.

d. Training Programmes

The following broad account of training programs conducted by the Institute was presented:

- POINTS-22 Course commenced for DRDO Scientists– from 11th Feb 2019. The batch strength is 64.
- MATLAB SIMULINK Training program for DRDO Scientists was held during 26th Nov to 30th Nov 2018 [Total 17 batches completed till now]
- Technical Module Course [6 weeks] for OFB Officers commenced on 7th Jan 2019 is underway.
- NEMP Course (2 weeks) for Service Officers and DRDO Scientists concluded on 22nd Feb 2019. [03 batches completed training till now]

e. Chief Guest for Convocation:

The GC was informed that efforts are on to have the Hon'ble President of India as the Chief Guest for the 11th Convocation during end May, 2019

Item No. 12.3

The following Action taken report on the decisions taken during the 11th GC meeting held on 9th May, 2018 was presented.

Point No.	Issues / Agenda points discussed	Decision	Progress / Action taken
1	Short courses for Defence Services	<ol style="list-style-type: none"> 1. List of short courses under taken for other organization to be forwarded by DIAT to Service HQ & HQIDS. 2. Service HQs to forward suggestions for short courses to DIAT. 	<p>Action completed</p> <ol style="list-style-type: none"> 1. Suggestions received from IN 2. Suggestions are awaited from Army HQ and Air HQ
2	Attracting more women students for M Tech	Admission advertisement to specifically mention availability of exclusive Girls Hostel.	Will be included in the future advertisements
3	Increase in M Tech Students from Services.	More lady officers may be considered by the Services	Service HQs may consider nomination of more lady officers
4	Submission of Annual Accounts	To be submitted every year by 1 st week of July to DRDO HQ.	Action completed
5	Absorption of DRDO Scientists on deputation to DIAT	<ol style="list-style-type: none"> 1) DRDO Scientists on deputation to DIAT with not more than 5 years' service remaining are not to be absorbed. 2) DRDO scientist on deputation to DIAT with 1-2 yrs service remaining can be considered for absorption if they fulfil the requisite criteria and following the due selection process. 3) Retired DRDO Scientist / Service officers and other suitably qualified scientists can be considered for absorption on re-employment basis subject to the following conditions: - <ol style="list-style-type: none"> a) Those selected, to be on probation for 1 year followed by 3 yrs tenure, on confirmation tenure extendable by maximum one year b) Upper age limit to be 65 yrs c) No dilution of selection process. d) Legal norms to be examined 	<p>Decision has been circulated among DRDO Labs through DRDO HQ. Of the Applications received in the first batch, 4 have been shortlisted. Requested DRDO to again circulate and forward the received application from DRDO HQ is awaited.</p> <p>Once the applications are received, the recruitment process will be carried out as per the set procedure.</p>

6	Fee from DRDO & Services for M Tech courses	<ol style="list-style-type: none"> 1. DRDO to pay fees as per other DPSUs. 2. Nominal fee for Service Officers to be decided in consultation with HQ IDS. 	<ol style="list-style-type: none"> 1. Implemented 2. Included as fresh Agenda points
#	Additional points discussed	List of Service Officers enlisted for PhD in the last five years along with research facility at DIAT to be forwarded to Service HQs and HQ IDS	<ol style="list-style-type: none"> 1. List forwarded to SHQs 2. Research facilities listed in DIAT Website.
#		Explore the possibility of increasing the faculty numbers by 10	Action in hand to increase progressively

During discussion on short-courses for Services, the Members to the GC from Services informed that the time given for response for the list of short-courses etc., was inadequate to gather inputs from line directorates. To this, the VC informed that the list given is only indicative and the Services are welcome to come out with their requirements and the time could be flexible depending upon the convenience of the Services.

The ADGMT informed that the issue of visit of JTC members to DIAT is missing in the ATR and the invitation is yet to be received. To this, the VC informed that it was an oversight and that the matter will be expedited. The Chairman directed that any pending point should be addressed in time.

While discussion on point no 5 of ATR; Absorption of DRDO Scientists on deputation to DIAT, the Vice Chancellor informed that DIAT short-listed 4 scientists and DRDO has been requested to re-advertise the positions among the labs for some more applications. The Chairman directed DG-HR and Dir, HRD to re-advertise the positions.

Members from tri-services informed that they have not received the advertisement copy for dissemination within services. During discussion on this point, the DG-HR and Dir, HRD informed that the 20 positions against which the applications are invited are Scientist (quota) positions and the 28 positions of Services which were available under deputation quota have been given to them during formation of MILIT and that there is no Services quota now in DIAT.

Item No.12.4

Confirmation of the Minutes of the 11th Meeting of GC held on 9th May, 2018:

After a brief discussion, the GC confirmed the minutes of the 11th Meeting.

Item No.12.5

Agenda for discussion:

Item No.12.5.1

PhD in Defence & Strategic Studies

IN had requested that requisite details regarding conduct of PhD in Defence & Strategic Studies and Wargaming course for officers of three services be

forwarded to Service Headquarters (SHQs) for examination and further necessary action. The requisite details were sent to SHQs, HQ IDS and DRDO Hq. Suggestions came up including exploring possibilities to invite think-tanks from IDSA, CAPS etc. the Chairman said, if the programme matures, we could think of recruiting some experts on strategic studies.

Decision: DIAT to further examine the matter and come out with a consolidated proposal.

Action: DIAT

Item No.12.5.2

Wargaming Course

The GC was briefed on the efforts made towards this.

(i) This course is envisaged in collaboration with Cranfield University (CU). CU conducted one such course in DIAT for DRDO Scientists for one week. The total fee charged was Rs.12 Lakhs. One Faculty from CU came to DIAT while others conducted the module on Video conference mode.

(ii) DIAT is in dialogue with CU for conducting another such course at DIAT for Officers from the three Services and DRDO Scientists. CU has been requested for a detailed syllabus for a course of 2 weeks' duration for Service Officers & DRDO Scientists along with the course fee which will have to be shared between DRDO HQ & the SHQs. Details once received will be communicated to DRDO HQ & the SHQs for suggestions. The course content will be finalized in consultation with these Hqs.

(iii) CU has requested for the course content to be provided to them by SHQs to enable them to work out the details including fee for the course. SHQs have been requested for the same.

Discussion:

Members were informed that previously, the CU conducted courses at the very basic level without ascertaining the demand and the level of officers attending the programme and thus ending up with no value addition. So, the syllabus should be higher, which commensurate the background of the attendees. The Vice Chancellor indicated that it should be possible to tailor make the content. AOP said, the CU should share the total module content beforehand so that modifications if any could be brought in, through dialogues.

In addition, the VC informed that DIAT has planned for a 2 year double degree programme with CU wherein M Tech will be awarded by DIAT whereas an MSc degree will be awarded by CU. This requires 1 year of stay in DIAT and the second year at CU campus which will effective be the project phase of M.Tech.

Decision: DIAT/ DRDO to pursue with CU on the content / module details, given the profile of the candidates attending the programme.

Action: DIAT

Item No.12.5.3

Certificate Courses as part of M.Tech.

It was informed that details of Capsule courses which could be conducted as part of M.Tech and leading to certification will be forwarded to SHQs, for examination and further necessary action.

Discussion: The VC indicated that such courses could be tailor made; involving subject experts drawn from Armed Forces, PSUs viz., HAL and some faculty, even from abroad. The duration of these courses have been consciously kept to 3 weeks or less (in the communication to SHQs), to facilitate dispensability of officers by Services to attend such courses.

The Chairman indicated that in addition to the courses proposed, short courses on Advanced Engines, Cognitive Technologies, Radoms, Composites, Quality and Reliability, High Power Magnetics, Innovative Manufacturing Technology, Fuel Cells, Hypersonics, Terra Hertz Tech, Under Water Communications, Advanced Materials, Photonics, Cyber Security, Quantum Computing etc., could be thought of for inclusion which will be of use to both Services and DRDO. For specific practical orientation, DPSUs could be involved. The Defence Attaches abroad can find out the experts in the field and they could be invited. We can get experts from Armed forces and abroad to enhance the content and exposure, the chairman added.

Shri M H Rahaman made a proposal to conduct a Higher Technology workshop for Services by IITD, involving DIAT wherein, the participants will spend 1 week in DIAT and the second week, at IITD.

Decision: DIAT to explore inclusion of more areas of technologies and forward the details to Services. Find out the experts in each area including those abroad and arrange to invite them to handle the modules. Explore involving facilities around for practical exposure to the attendees.

Action: DIAT, in liaison with SHQs and DRDO

Item No.12.5.4

Future location for MILIT.

In view of the DIAT's proposed plan for expansion of its operations in terms of additional M.Tech courses in Artificial Intelligence, Data Science, Robotics, MSc in Food Technology, PG Diploma in Fire & Integrated Safety etc., and increase in PhD disciplines and no. of students which demands additional infrastructure, MILIT's plan to continue in DIAT campus/ relocation on the backdrop of sanction of INDU, was enquired. Since infrastructure creation takes a long time and must be utilized once created, the need for a concrete decision at this stage was highlighted.

Discussion: It was made clear by ACIDS (TRADOC) that the plan is to continue MILIT in the present location even after INDU's formal approval through the parliament.

Decision: The Chairman directed that the present arrangements may continue.

Item No.12.5.5

SHQs reps in Board of Studies (BoS)

Every department in DIAT has a BoS comprising of faculty from dept and eminent external experts as members. The BoS meets once in 2 years or on special occasions to review & refine the syllabus and to make it contemporary. Service Officers being an integral component of the students, a request was made to have specialists from Services to attend the BoS. It was informed that IN has already intimated the visit plan and details are being finalized.

Decision: Service Reps requested for curriculum content of each programme to nominate appropriate experts to be members in the BoS and intimation of the BoS in the offing, well in advance, to mark their attendance.

Action: DIAT

Item No.12.5.6

Fee for Service Officers undergoing M.Tech & other Short Courses.

Proposal:

Gol has directed all autonomous bodies funded through Central funds to become self-reliant in a time-bound manner. Thus the Grant-in-Aid to DIAT from DRDO has been reduced from Rs 40 Cr to 32 Cr for 2018-19 (20%).

Presently SHQs do not pay any fee for Officers undergoing M.Tech or any other Short Course at DIAT. In the last GC, the Chainman had directed DRDO HQ to pay fee for all DRDO Officers undergoing courses at DIAT and accordingly, invoices have been raised on DRDO already.

SHQs may consider payment of fees for officers attending courses at DIAT to help making DIAT self-reliant.

Discussion:

The Chairman and the Addl FA & JS R&D informed that the Institute's budget has already been slashed. As per the directions of Min of Finance on grants-in-aid, the Institute will have real difficulty to sustain if not supported by the stake holders. The Service Reps initially stated that it may not be possible to pay for the courses and in that case, the Service Officers may rather be sent to IITs etc. The VC informed that the proposed fee is Rs.50,000/- per semester per student for M.Tech, which works out to a mere Rs.2 lakhs per student for M.Tech. After detailed discussions, members from Services said that the exact figure be intimated so that they could consider including the same in the annual training budget of the respective service.

Decision:

Chairman directed that DIAT may intimate the SHQs and IDS about the fee for M.Tech. About the fee for short-courses, to be intimated well in advance, separately for each course, considering the duration, skill level, level of experts involved in imparting training and other logistics involved.

Action: DIAT

Item No.12.5.7

Payment of Rs. 4,82,099 to each individual in the case pertaining to retrenched Officers Mess Employees.

Proposal: In a case involving retrenchment of some labour engaged by Officers' Mess, the Labour court had directed payment of compensation. HQ IDS rep ACIDS (TRADOC) had assured in the 1st Restructuring Implementation Committee Meeting held on 28th Nov 2016 that "In view of the legal technicalities w.r.t. Defence of Court cases, the present respondent ie. DIAT will continue to defend the cases in view of the legal issues involved in getting the name of the respondent changed as has been reiterated by Govt. Counsel and MILIT from time to time. MILIT will extend all possible help in defending these cases. He further clarified that MILIT/HQ IDS will abide by the court directives and take appropriate action, as per the judgment/rules in vogue."

This issue was discussed in last GC also, where HQ IDS reps stated that they will go back and look into the matter. Award by the Labour Court on IDA 48/2011 dated 30.08.2017 to implement the order on IT 12/2004 Judgment in this case was to pay Rs.4,82,099 to the applicant. This was forwarded to HQ IDS for compliance. However, HQ IDS vide letter dated 2nd Apr 2018 and 08th Aug 2018 refused to implement the Court order stating that DIAT should implement the order since MILIT is not mentioned anywhere in the order. The issues viz., non-assistance of HQ IDS in complying with the judgment was raised and the update that a stay on the execution has been obtained with a rider that the amount (back wages for the ex-workers – 10 in no) need to be deposited early in the court registry till final orders in the case and that any delay may result in contempt of court; were flagged.

As such, the requirement that the HQ IDS should stand by its commitment to abide by the judgment and the amount should be deposited in the court registry by HQ IDS/MILIT was raised.

Discussion: Members from services held that MILIT was not in existence at the time of the initial award on the matter (2010); to which, it was informed that it is a matter related to Officers' Mess which has been an integral part of services. Further, the fact that presently the facility is held by MILIT was highlighted. ACIDS(TRADOC) indicated that there are other related issues viz., transfer of posts etc., to which, DG-HR informed that they are matters involving cabinet sanction and involves time.

Decision: The Chairman said that there is no point in evading responsibility and a timely resolution is the need of the hour. Further, the money involved is not huge. He directed that this matter be discussed between DRDO HQ & HQ IDS for speedy resolution.

Action: DRDO HQ & HQ IDS

Item No.12.5.8

Salwan Committee Report.

Proposal:

The Salwan Committee Report was submitted in April 2012. This report was to be valid for a duration of 2 years and envisaged that MILIT will be a part of DRDO during the currency of the report. However, things have changed since

then and now MILIT is not a part of DRDO but of HQ IDS. Under these circumstances, the Salwan Committee Report is not valid anymore and a hence, a new committee need be constituted to decide upon the formula for sharing resources between DIAT and MILIT in the campus.

Decision: Chairman directed the issue to be discussed between DRDO HQs & HQ IDS.

Action: DRDO HQ & HQ IDS

Item No.12.5.9

Approval of Audited Annual Accounts of the Institute for the year 2017-18

The audited annual accounts of DIAT for the year 2017-18 was presented to GC for approval. It was informed that considering the time limit, the annual accounts has been incorporated in the annual report of the institute for the year 2017-18 for tabling in parliament.

Decision: After going through the figures, the Governing Council approved the Audited Annual Accounts of the institute for the year 2017-18.

Item No.12.6

Any other point with the permission of the Chair

Item No.12.6.1

Certificates to TSOC 3-38 batches:

Members from Services brought up that the Services Officers who attended the TSOC batches 35 to 38 were not issued MSc Degrees and that degrees were awarded to the previous batch.

Discussion: The Vice Chancellor informed that this matter was taken up in the Academic Council of DIAT, attended by eminent Academicians and Dy Commandant, MILIT and that after lot of deliberations, the Academic Council decided that only PG Diploma can be given to officers of these courses, since they had had completed 2 yrs course. Members from Services indicated that the previous batch officers were issued MSc certificates and that for a similar term, Savitri Bhai Phule Pune University (SPPU) is issuing MSc degree, now.

Decision: The procedure being followed by other Universities / Deemed to be Universities to be examined to arrive at a decision in accordance with UGC regulations.

Action: DIAT

Item No.12.6.2

New Constructions and proposed new constructions for DIAT

1. The CCE(W)/DRDO made a detailed presentation on the following infrastructure [completed and under construction]

- a. Stilt area construction in the POINTS Hostel building - Completed in Mar 2018
- b. Girls Hostel – under construction – target date of completion: Aug 2019
- c. Boys Hostel – under construction – target date of completion: Jun 2020

During the discussion on the under construction projects, the Chairman enquired whether there would be any time over run. CCE informed that it will be completed as per schedule.

Decision: Projects to be completed on time.

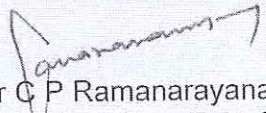
Action: CCE (W)

2. He also presented a plan for the Proposed Academic Block and Class Room Complex. C.E. Rep informed that, this will be as per acceptance of necessity and relevant approvals.

Decision: To be taken up as per requirements

Action: DIAT

In the absence of any other point, the meeting concluded around 1305 hrs, with thanks to the Chair.


(Dr C P Ramanarayanan)
Vice Chancellor, DIAT & Member Secretary, GC