

MINUTES OF THE 5TH GOVERNING COUNCIL MEETING OF DEFENCE INSTITUTE OF
ADVANCED TECHNOLOGY (DI) HELD AT DRDO BHAVAN, NEW DELHI ON 12 DEC 2011

1. The following members, special invitees and invitees attended the meeting :-

CHAIRMAN

Dr VK Saraswat
SA to RM

MEMBERS

Lt Gen NK Singh, UYSM, AVSM, VSM
DCIDS (DOT)

Addl FA R&D & Jt Secretary
MOD (Finance)

Air Marshal Anil Chopra, AVSM, VM,
VSM
AOP

Vice Admial MP Muralidharan, AVM,
NM
COP, Naval HQ

Maj Gen Sachar, SM, VSM**
Offg DGMT

Dr W Selvamurthy
DS & CC R&D (LS & IC)
DRDO HQ

Dr Prahlada
Vice Chancellor, DIAT
Secretary, GC

Dr SK Salwan, Dr. BD Nagchowdhary
Chair,
DRDO HQ

Air Marshal BN Gokhale, PVSM, AVSM,
VM (Retd)
Vice Chief of Air Staff

SPECIAL INVITEES

Dr V Bhujanga Rao
DS & CC R&D (HR & RM)
DRDO HQ

Prof M Balakrishnan
Associate Director
IISc, Bangalore

Prof DN Reddy,
Former Vice Chancellor, JNTU

Maj Gen Niraj Pathak
ACIDS (TRADOC)
HQ IDS

Maj Gen Ravi Saxena
Dean (MT), DIAT

INVITEE

Dr PK Khanna
Dean (Academics)
DIAT (DU)

Dr R Premkumar
Registrar, DIAT(DU)

Shri K Nagaraja
Finance Officer
DIAT

The Representatives of AICTE and UGC could not attend the meeting.

Dr. Prahlada, Vice Chancellor, DIAT(DU) and Secretary to GC welcomed all the distinguished members, special invitees and the invitees to the 5th Governing Council of DIAT(DU) and thanked for coming and participating.

He introduced to the GC, all the distinguished dignitaries present in the meeting some of whom were in close touch with the University and involved in its developmental activities. Dr. Prahlada then requested Dr. V K Saraswat, SA to RM and Chairman to GC for his opening remarks.

PART-A

1.1 Opening remarks by the Chairman

The Chairman, in his brief address, expressed his happiness and satisfaction on the changed atmosphere in which DIAT is functioning. He outlined the research focus of the DIAT, which is aimed to help the preparedness of the Defence Forces of our country in the days to come. The Chairman informed the GC that a separate institution by name, Military Institute of Training (MILIT) to take care of the training requirements of the Armed Forces being carved out of DIAT has been approved by MHRD. However, all the formal Masters Degree Programmes, MS by Research and the PhD Programmes will continue to be taken care of by the DIAT, Pune. Basically, the MILIT will be ensuring fulfillment of the short term and long term training programmes for the armed forces. In order to optimize the utility of the existing infrastructure facilities and manpower, a committee under the chairmanship of Lt Gen Anup Malhotra has been constituted. This committee will work to finalize the sharing and managing of existing amenities, facilities and manpower between DIAT and MILIT keeping the Salwan Committee report as the reference, in a gradual and orderly manner. Further, the DIAT will continue to organize and conduct the POINTS programme for the new scientists joining DRDO. He expressed his confidence that DIAT will enter into international collaborations with reputed institutions across the globe in developing new defence technologies in the emerging areas as well as generating HR of high quality. He also mentioned that DIAT(DU) like efforts are taking place world over with positive results.

After the opening remarks of the Chairman, Dr. N Balakrishnan, Special Invitee suggested that DIAT(DU) can adopt some of the established best practices being followed by the IISc Bangalore especially in faculty recruitment, development and promotion. The Governing Council agreed to his proposal and assured that DIAT will take further action.

Action : DIAT

The Vice Chancellor made a detailed presentation of DIAT activities. During the presentation, the following points were deliberated and decisions wherever needed were taken.

- (a) Air Marshal Anil Chopra brought to the notice of the GC that there is a need to review the course structure and content of various long term and short term programmes, as many changes have taken place in the technology being used in the present day weapons and systems. Dr. Selvamunthy also expressed that

there is constant development/change in the technological area and there should be a standing arrangement to review the course content and syllabus of training courses. It was decided that there should be a standing committee consisting of Inter-service representatives and 2-3 DIAT faculty representatives to review the course content and syllabus which will meet at regular intervals.

Action : CIDS

(b) Prof. Balakrishnan informed that DIAT (DU) offering degree of MS by Research may be relooked, re-considered and may be dropped since this kind of courses are not preferred by the reputed research institutions the world over. Instead, DIAT should focus only on quality PhD research. He also mentioned that whenever the DRDO and Service Officers attend programmes of 6 months and above with the required evaluation should be allowed to earn certain no. of credits and those accumulated credits should be allowed to accumulate leading to M.Tech degree eventually. The Chairman informed that he has seen such arrangements in NPS etc., and DIAT (DU) also can have such arrangement after due consideration by the Academic Council.

Action : DIAT (DU)

(c) Air Marshal Gokhale expressed that the IPR issues related to new ideas, findings etc., are to be addressed so that interest of DIAT is protected. He also mentioned that DIAT should go for simulator based training in all the Defence operational areas, as now-a-days highly specialized simulator training packages are available at very low prices. On this issue, the Secretary informed the GC that the IPR issues are being taken care and the Institute has identified a faculty member to take care of IPR issues. This will be upgraded to full fledged IPR Cell. Similarly a Cell to handle all international co-operations would be formed. In this connection, Chairman informed that the Institute should have the high speed internet connectivity between all the IITs and IISc and also with NPS and Cranfield University for online resource sharing and to have share virtual classes. Also, effort should be made to have the NKN connectivity established at the earliest.

Action : DIAT

(d) When the GC was presented with the focus areas of academic departments, the members appreciated the wide coverage of advance science and technology areas, the chairman advised that the DIAT (DU) may organize, wherever required, necessary exchange programmes/short term courses on latest cutting edge technology programmes for the benefit of the faculty members and students. If needed, the faculty members can be sent for short term courses on the emerging technologies organized at national and international level. He also informed that there is an immediate need for specialized courses in Cryptology and MIMO and Laser Weapons for which DIAT(DU) may take necessary action. Prof. Balakrishnan added that the emergence of integration of technologies in sensing, communication, computers etc., should lead to sophistication in Defence technology. Chairman explained Technical Textiles being developed by a Czech University and DIAT may enter into collaboration in that area.

Action : DIAT

(e) The Secretary informed the GC that many of the lab facilities in DIAT are being upgraded with new equipments costing about Rs.20 Cr. to further the research focus on defence technologies. The chairman appreciated the efforts of the university in modernizing the lab facilities and also advised that the lab facilities and the training sheds of the three Wings are also to be upgraded with the latest equipments. The Dean-MT has been assigned the responsibility to assess the requirements and take necessary action in this direction.

Action : Dean (MT)

(f) Dr. Salwan, in his remarks, mentioned that proper revision of curriculum to suite the requirements of the Services and the nomination of sufficient number of suitable officers for the courses run by DIAT should be ensured by the Services. The DIAT on its part may appoint sufficient number of Adjunct Professors / Service Officers having good exposure in teaching to give lectures in their courses.

Action : DIAT

(g) Prof. D N Reddy mentioned that to facilitate the research in Engineering discipline, at least one Professor in each discipline be appointed by the University so that the PhD students can take research under the guidance of Senior Faculty. Dr Salwan suggested appointing adjunct professors also, as required.

Action : DIAT

(h) In connection with formation of MILIT, Lt Gen NK Singh assured the GC that there will not be any disharmony in the campus and the Services will extend full co-operation to DIAT in all their activities, sharing the resources without any reservation. The required assistance in all the administrative functions of DIAT (DU) also be provide by the Services. With this assurance, he wanted the Chair, GC to get the Govt. order on formation of MILIT issued at the earliest. The Chair mentioned that he has already set the cutoff date for formation of MILIT as 31.3.2012 after completion of all required formalities.

(i) On a query from Maj. General Saxena about more stress being given to science departments, Chairman brought out that engineering concentrates on today's technologies where as innovations in basic sciences will lead to tomorrow's technologies. In fact all disruptive innovations in field of electronics, sensors, propulsion etc have resulted out of contributions from basic science. DRDO labs mostly work on engineering solutions though about 10% of effort is in basic research. DIAT is tasked to do other way round along with networking globally. Chairman also brought out that DRDO will consider DIAT M.Tech graduates for absorption after the normal interview process.

(j) Regarding the works going on at DIAT (DU) in the area of cyber security and establishing a research lab, Prof Balakrishnan volunteered to arrange instructors between IISc and DIAT faculties to shape DIAT's effort. DIAT can also participate in IISc -CMU introductions on their subject.

Action : DIAT

(k) Prof Balakrishnan appreciated very good efforts at DIAT (DU), though being a young University and in-spite-of the fact that DIAT(DU) has a daunting task of learning, teaching and doing simultaneously. Secretary expressed his thanks and stated that all this is possible because of full support of 50 DRDO Laboratories to DIAT(DU) and in this aspect; DIAT uniquely placed and very fortunate.

PART-B

2. Action taken report on the previous GC Meeting decisions

The GC noted the action taken on the previous GC Meeting decisions.

PART-C

3. Confirmation of the previous GC Minutes

The GC unanimously confirmed the following GC Minutes :-

- 3.1 Minutes of the 4th GC held on 20 Feb 2009
- 3.2 Minutes of the Special GC held on 19 May 2010.

PART-D

The following Agenda items have been taken up for discussion and decisions taken thereon :-

4.1 Increase in intake of M.Tech Programmes.

After a brief deliberation on the issue, the GC approved intake of 05 additional scholarship students in each of the following M.Tech programmes

- (i) Aerospace
- (ii) Electronics Engineering
- (iii) Materials Engineering
- (iv) Armament Engineering (included as per views expressed by the Council Members).
- (v) Cyber Security (included as per views expressed by the Council Members).

Maj Gen Ravi Saxena, Dean(MT) brought to the notice of the GC that the admission of larger number of Civilian Scholarship students in M.Tech programmes

and induction of faculty members without defence orientation or focus are diluting the course content and structure. This issue needs to be addressed in order to reinforce the confidence of the Services to nominate their officers for the DIAT's M.Tech programmes.

16. After a brief deliberation on this issue, the Chair concluded that the generic nature of M.Tech programme should be avoided and the course curriculum and structure of the course be reviewed and if required, modified to suite the requirement of Services. The Jt. Curriculum committee as suggested earlier shall look into the issue and shall review the course content and syllabus. The Chair also mentioned that the quality of teaching and research can be ensured only by the right kind of faculty members and DIAT should ensure proper induction of faculty. He also mentioned that the right kind of candidates with a Defence / DRDO background but without PhD can also be considered for faculty positions after equivalence of their contribution for Ph.D for the purpose of appointment as per the provision under the statutes. Secretary GC agreed with the suggestions and also added that the number of M.Tech students per course will be restricted to 15 to 20 and accordingly depending on the number of sponsored candidates the number of scholarship candidates would be restricted. This was concurred by GC.

Action : DIAT

4.2 Introduction of child care leave for women faculty members as per UGC guidelines.

The GC approved the grant of Child Care Leave for women faculty members as per UGC guidelines.

The GC also decided to grant scholarship and other facilities to the M.Tech and PhD students as per MHRD guidelines as and when amended from time to time. Also, all the UGC guidelines in respect of the service conditions of the staff and faculty members, academic courses and other related issues shall be complied with by DIAT without any further reference.

4.3 Adoption of annual reports for the years, 2008-09, 2009-10:

The GC adopted the Annual Accounts for the years 2008-09, 2009-10 and 2010-11 for onward submission to the Parliament.

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The GC adopted the Annual Reports for the years 2008-09 and 2009-10 for onward submission to the Parliament.

Chairman brought out an issue of providing training for the Services on DRDO developed systems before actual induction and said production. Currently DRDO is managing this (for example in case of Prithvi, Akash etc) but a more organized way by

MILIT can be considered. General NK Singh stated that Jt Services Committee will address this aspect also keeping in view capabilities of established training schools and MILIT together.

Action : CIDS

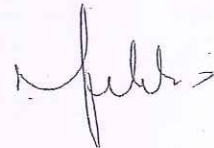
PART-E

5 The GC noted the following reported items :-

- 5.1 Visit of DIAT delegation to NPS
- 5.2 Appointments made to various Teaching / Non-Teaching positions in the DIAT(DU)
- 5.3 Laboratory renovation and purchase of additional lab equipments
- 5.4 16 Mbps Leased Internet Connectivity from BSNL to the Institute

The Vice Chancellor conveyed his sincere thanks to the Chairman and to all the distinguished members/special invitees/ invitees for interaction, thoughtful advice and guidance. He also thanked for the tremendous support from the Chairman, all the members of the GC and the officers of the DRDO HQ. Chairman concluded that DIAT/MILIT is a Unitary Institution with the 2 entities supporting each other fully and seamlessly. Basic character and mandate continues to remain the same.

6. In the absence of any other point for discussion, the meeting was concluded at 1315 Hrs.



(Dr. Prahlada)
Vice Chancellor
Member Secretary
Governing Council, DIAT (DU)

Distribution :-

All Concerned