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**उन्नत प्रौद्योगिकी रक्षा संस्थान**

(सम विश्वविद्यालय), गिरिनगर, पुणे - 411025

**Defence Institute of Advanced Technology**

(Deemed University), **Girinagar, Pune-25**

(रक्षा अनुसंधान एवं विकास संगठन से पूर्णवित्तीय पोषित

स्वायत्त संस्थान, रक्षा मंत्रालय)

(An Autonomous Organisation fully funded by

Deptt of Defence R&D, Ministry of Defence)

उत्तर "कुलपती" को भेजे जाएं।

Replies are to be addressed

To "The Vice Chancellor"

No. DIAT/F/ADM/15<sup>th</sup>GC/2022/

Dated 1<sup>st</sup> Aug, 2022

**All Members of the Governing Council  
Defence Institute of Advanced Technology  
(Deemed to be University)  
Pune- 411025**

**MINUTES OF THE 15<sup>TH</sup> GOVERNING COUNCIL MEETING HELD ON  
14<sup>TH</sup> JULY, 2022 (THROUGH ONLINE)**

Dear Sir,

I am directed to forward herewith the copy of minutes of the 15<sup>th</sup> Governing Council meeting of DIAT, held on 14<sup>th</sup> July, 2022 through online video conference, duly approved by Chairman, GC for your information and records please.

Yours faithfully,

(Prof SVSSNVGK Murthy)

Registrar (I/C)

For Vice Chancellor DIAT

Encl: As above

To:

- |   |  |        |
|---|--|--------|
| 1 | <b>Shri K S Varaprasad</b><br>DS / SC 'H' & DG (HR), DRDO<br>DRDO Bhawan, Rajaji Marg,<br>New Delhi - 110011 | Member |
| 2 | <b>Shri Vedveer Arya</b><br>Addl. FA & JS, DRDO,<br>HQ Rajaji Marg,<br>New Delhi -110011                     | Member |
| 3 | <b>DCIDS (DoT) / IDS HQ</b><br>HQ IDS South Hutments,<br>Kashmir House, Rajaji Marg,<br>New Delhi-110011     | Member |

- 4                   **AOP / Air HQs**  
Room No. 333  
Air HQ, Rafi Marg  
New Delhi-110011                   Member
- 5                   **COP / IHQ of MoD (Navy)**  
Integrated Headquarters of Ministry of  
Defence (Navy), Room No. 210, C Wing,  
Sena Bhawan  
New Delhi-110011                   Member
- 6                   **COS, HQ ARTRAC**  
MG GS (Apvl & Plan),  
744 'A' Wing  
Sena Bhawan  
New Delhi – 110011                   Member
- 7                   **DR. RAGHUNATH K. SHEVGAONKAR**  
Professor Emeritus,  
IIT Bombay  
B 301, Lake Homes Phase 2  
Near Gopal Sharma School  
Powai                   Member
- 8                   **PROF. V. RAMGOPAL RAO**  
Professor, Indian Institute of Technology  
Delhi  
Hauz Khas,  
New Delhi-110 016                   Member

**Copy to:**

The Secretary, DDR&D & Chairman, GC, DIAT for kind info and records

# **DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY**

(Deemed to be University under section 3 of UGC Act 1956)

Girinagar, Pune- 411025

No. DIAT/F/ADMIN/15<sup>th</sup> GC/2022

Date: 29/07/2022

## **MINUTES OF THE 15<sup>TH</sup> MEETING OF GOVERNING COUNCIL (GC), HELD ON 14/07/2022 [Thursday] THROUGH VIDEO CONFERENCING FROM DIAT PUNE**

The following dignitaries were present:

Dr G Satheesh Reddy, Secretary, DDR&D	Chairman
Vice Admiral Dinesh K Tripathi, AVSM, NM COP, IHQ of MoD (Navy)	Member
Air Marshal Suraj Kumar Jha, AVSM AOP, Air Force Hqs	Member
Air Marshal S P Wagle, VM DCIDS (DoT), IDS HQ	Member
Shri K S Varaprasad, DS / DG (HR), DRDO	Member
Shri Vedveer Arya, Addl FA (R&D) & JS, DRDO	Member
Prof. V. Ramgopal Rao, Professor, IIT Delhi	Member
Prof. R S Shevgaonkar, Professor Emeritus, IIT Bombay	Member
Dr. C. P. Ramanarayanan, Vice Chancellor, DIAT	Member Secretary

### **Invitees:**

Prof. Balasubramanian K, Dean (Acad), DIAT	Invitee
Prof. SVSSNVGK Murthy, Registrar (I/C), DIAT	Invitee
Dr. Vidya Gargote, Finance Officer, DIAT	Invitee

The Vice Chancellor DIAT welcomed the Chairman and Members to the meeting and also extended thanks to all the members that they were able to attend the meeting in short notice.

Further, VC had requested to Dr. G. Satheesh Reddy, Secretary, DDR&D & Chairman, Governing Council for his opening remarks:

### **Item No. 15.1**

#### **Opening remarks of the Chairman, Governing Council:**

The Chairman, GC welcomed all the members and congratulated DIAT for its excellent performance since last 3 years in the academic and research activities, especially in the last 1 year wherein DIAT has secured 9<sup>th</sup> rank in Indian Institutional Ranking Framework (IIRF 2022) evaluation done by the Association of Indian Universities and 5<sup>th</sup> rank in the Academic & Research Excellence Category and 20<sup>th</sup> position in Engineering Category by Outlook Magazine. Also congratulated DIAT



faculties for their name in 2% Influential Scientists by Stanford University Research Team, USA.

The Chairman also appreciated the efforts made by DIAT in establishing research facilities in the field of Quantum Technology and Radar activities and increasing the numbers of research paper published by DIAT.

The Chairman further mentioned that Hon'ble RM also appreciated DIAT for its achievements and also forwarded an appreciation letter to DIAT fraternity.

Thereafter, Chairman directed to go ahead with the agenda.

### **Item No. 15.2**

The GC was informed that ATR on the decisions taken during the 14<sup>th</sup> GC meeting held on 19/08/2021:

<b>Agenda Points</b>	<b>Agenda points discussed</b>	<b>Decision</b>	<b>Progress / Action taken</b>
<b>14.5.1</b>	Audited Statements of Accounts for the year 2019-20	GC Approved the Audited Statements of Accounts for the year 2019-20	Action Completed
<b>14.5.2</b>	Annual Report for the year 2019-20	GC ratified the Annual Report for the year 2019-20	Action Completed
<b>14.5.3</b>	Presentation of Setting up of National Centre for Quantum Technology	Presentation made by Dr. G. Raghavan, Director, SQT	Action Completed
<b>14.6.1</b>	To adopt Assessment criteria for appointment to the post of Assistant Registrar	The decision taken in 23 <sup>rd</sup> BOM is ratified subject to approval from DRDO HQs	The BoM in its 26 <sup>th</sup> Meeting at para 26.5.1 has approved the adoption of assessment criteria to the post of Asst Registrar and Scientific Officer. The necessary amendments to the Rules 5.8 & 5.14 of DIAT Rules and Regulations Governing Service Condition, 2009 have been done.

### **Item No.15.3**

#### **Confirmation of the Minutes of the 14<sup>th</sup> Meeting of GC held on 19/08/2021**

After brief discussion, the GC confirmed the minutes of the 14<sup>th</sup> Meeting of GC.

### **Item No. 15.4**

#### **Reporting items:**

The following reporting items were presented to the GC by the Member Secretary, GC.

#### **AWARDS & RECOGNITIONS**

- DIAT has been ranked 9th by Indian Institutional Ranking Framework (IIRF 2022) – evaluation done by the Association of Indian Universities

- DIAT has been ranked 5th in the academic and research excellence category and 20th positions in engineering category by Outlook Magazine – ranking based on academic, research excellence, industry interface, placement, infrastructure, admissions, outreach and consultancy services.
- 10% of DIAT faculty figure in top 2% of Influential Scientists as per the data generated from Scopus data generated by Stanford University Research Team, USA

### **CUSTOMIZED COURSES:**

- Customized short term course on “Real-Time Control System Integration for Navy Applications” for Indian Navy Officers organized by the School of Robotics during 2<sup>nd</sup> - 13<sup>th</sup> May, 2022.
- Customized short term course on “Artificial Intelligence and Machine Learning” for Indian Navy Officers organized by the Deptt of CSE during 2<sup>nd</sup> - 13<sup>th</sup> May, 2022.
- Customized short term course on “Data Science” for Indian Navy Officers organized by the Deptt of Applied Mathematics during 4<sup>th</sup> - 18<sup>th</sup> May, 2022.
- Customized capsule course on “Cyber Security” for Indian Navy Officers organized by the Deptt of CSE during 4<sup>th</sup> - 14<sup>th</sup> May, 2022.
- Customized capsule course on “Cryptology” for Indian Navy Officers organized by the Deptt of CSE during 23<sup>rd</sup> May, 2022 - 14<sup>th</sup> June, 2022
- 8 more customized courses are planned for Navy officers in the next 12 months.
- Certificate courses on ML, Data science and AI initiated- All over India

### **POINTS 23**

- The 23<sup>rd</sup> Batch of Post Induction Training School (POINTS) Programme has commenced from 4<sup>th</sup> July, 2022. Total 85 No DRDO Scientists from different labs across the country have been registered for the POINTS Training.

### **PLACEMENT**

- 70% of the civilian M.Tech students have been selected through campus interview in the year 2019-2021 and 82% of M.Tech students and PhD students are selected through campus interview in the year 2020-2022

### **CONSTRUCTION OF HELIPAD / UAV RUNWAY:**

- The construction of DIAT Helipad / UAV runway has been completed at DIAT. Around 100 sq mtr x 100 sq mtr Helipad cum UAV Runway has been constructed.
- The Department of Aerospace Engineering offering course on UAV. The helipad will be used as UAV Runway

### **M.TECH STUDENTS STRENGTH, AT A GLANCE**

PROGRAM	2019-21	2020-22	2021-23	2022-24
M Tech	224	219	310	400 (approx.)

<b>M. Tech Service HQs</b>					
Academic Year	ARMY	NAVY	AIR FORCE	DRDO	ICG
2022-24	Yet to be received			08	03
2021-23	11	7	6	15	6
2020-22	1	2	14	15	4
2019-21	17	19	21	16	6

On an average we are having 8 to 10 students from Industries per academic year from L & T, BEL, Bharat Forge, OFB, MDL, Oriental Rubbers etc



## PHD / MS [BY RESEARCH] STRENGTH

PROGRAM	2018	2019	2020	2021	2022
PhD	21	41	18	31	18 (approx.)
MS	02	01	-	-	

## DETAILS OF ACADEMIC ACHIEVEMENTS

Number of research papers published in peer reviewed journals by faculty	1088 [since – 2016] 260 [Last Acad year]
Number of Books / Book Chapters published	140 [Since 2016]
Number of Research Projects completed	80 [Since 2016]
Number of conferences and workshops organized	320 [Since 2016]

## PATENTS

Year	No of Patents granted	No. of patents applied and in process @ Indian Patent Office
2018	-	06
2019	01	03
2020	08	01
2021	01	01
2022	05	02

The Vice Chancellor DIAT has mentioned that during the last Academic year total 260 Nos of research publications were published by 52 faculties of DIAT due to which DIAT is able to secure 5<sup>th</sup> rank in the academic level as report published by Outlook magazine.

The Vice Chancellor DIAT mentioned that a lot emphasis and importance is being given for taking up sponsored projects from security and defence establishments so that the hardware developed is commercially exploitable.

The Chairman, GC requested Prof. Ramagopal Rao and Prof. Shevgaonkar for their views on the publication of the papers, patents and other academic achievements of DIAT and he also sought their valuable suggestions for further improvements.

Prof. Shevgaonkar and Prof. Ramagopal Rao mentioned that the numbers of publications have been increased over the period of time and number is good considering strengths of 52 faculties. They also mentioned that the figures in terms of numbers are almost in line with IITs. However, Prof. Rao mentioned instead of numbers the weightage be given for quality of paper. He also suggested that No of patents may be increased commensurate to number of publications and indicated that a ratio of 18:1 b/w number of publications and patents.

The Chairman, GC also requested Prof. Ramagopal Rao and Prof. Shevgaonkar to visit DIAT campus, Pune and requested them to provide their valuable recommendations in terms of publications, required additional research infrastructure and their interaction with students and faculty. It is also proposed that during next GC meeting all members particularly the academic experts will attend physically to visit the facilities and interact with faculty.

Thereafter, the following agenda points were discussed:

## 15.5 Items for discussion:

### 15.5.1 Annual Report for the year 2021-22

The Annual Report for the 2021-22 has been recommended in 28th BoM and is to be tabled in the parliament.

GC is requested to recommend the same for final approval of General Body & DIAT Society.

#### **Discussion:**

The Vice Chancellor DIAT presented the Annual Report for the 2021-22. He requested GC to consider the same for recommendation for General Body for final approval.

**Decision:** The GC has approved Annual Report 2021-22

[Action: DIAT]

### 15.5.2 Audited Statements of Accounts for the year 2021-22

The Audited Statements of Accounts for the year 2021-22 has been recommended in 28th BoM and is to be tabled in the parliament.

GC is requested to recommend the same for final approval of General Body & DIAT Society.

#### **Discussion:**

The Vice Chancellor DIAT informed that the Audited Statements of Accounts for the year 2021-22 had recommended in the 28<sup>th</sup> BoM and is to be tabled in the parliament. He requested GC to consider the same for recommendation for General Body for final approval.

**Decision:** The GC has recommended Audited Statements of Accounts for the year 2021-22.

[Action: DIAT]

### 15.5.3 Status of progress of work on Institute of National Importance

#### **Discussion:**

The GC was informed that progress to get recognition for DIAT as “**Institute of National Importance**” was discussed in the last GB meeting. The Hon’ble RM and Chancellor of DIAT directed that DIAT has all adequate vitals which are mainly required for getting status of “**Institute of National Importance**”. Hon’ble RM directed to initiate the process for getting recognition of Institute of National Importance.

The GC was informed that DIAT approached Ministry of Education to get the status whereas the MoE, GoI advised to process the case through Nodal Ministry [MoD]. The MoE, GoI also informed the first stage to get feedback from the stakeholders. Accordingly, DIAT submitted papers to HQ IDS and DRDO, as they are the prime stakeholders for DIAT, to seek their valuable feedbacks, to move the case in the parliament to pass an Act to



declare DIAT as Institute of National Importance. Subsequently, the file will be moved through Secretary, DDR&D to Hon'ble RM for recommending and processing the case in the Parliament to pass an Act.

[Action: DIAT]

## **15.6 Any other agenda with the permission of Chair**

The following agenda were discussed with the permission of Chair

### **15.6.1 Increase in the Core Faculty Strength from 60 No to 65 No**

#### **Discussion:**

The Vice Chancellor DIAT mentioned that at present DIAT has approved strength of 60 No Core faculty and 10 No DRDS Cadre [Deputation]. Out of 60 Core Faculty total 52 No of faculty are held in strength. GC was informed that it is difficult to spare DRDO scientists on deputation at DIAT for 3/5 years due to present commitments of DRDO and also over the period of times DIAT has started M.Tech in new fields i.e. Data Science, AI & ML. The recruitment of faculties in these area is felt very necessary for the growth of institute. Hence, GC is requested to consider the re -appropriation of strength i.e. 60 to 65 and 10 to 05 DRDS strength, within the sanctioned strength only.

#### **Decision:**

The Chairman, GC directed to adopt the recruitment process to get good quality of young faculties in the required area as being done in leading IITs and expert academicians / scientists may be contacted to get the inputs. The Chairman, GC also inquired about any additional financial implications in case the re-appropriation of No from 60 to 65. The VC informed that recruiting new faculty will be beneficial than deputation as Scientists from DRDO are being paid over and above salary, a 24% training allowance on their basic + other admissible allowances which has additional financial implications.

The Chairman directed DIAT to move the requirement on file for consideration.

### **15.6.2 Finalization of Draft MoU between DIAT (DU) and MILIT**

#### **Discussion:**

Air Marshal S P Wagle, VM, DCIDS (DOT), IDS HQ presented the agenda and stated that during the 14<sup>th</sup> meeting of GC held on 19/08/2021, the point of finalization of MoU between DIAT and MILIT had been discussed. He informed that signing of MoU is not been done and requested to Chairman to look into the matter for necessary directions.

#### **Decision:**

The Chairman, GC directed that two-tire level meeting to be organized for finalization the MoU between DIAT and MILIT. The Vice Chancellor, DIAT and the Commandant, MILIT to have meeting for finalization of the MoU. Further any issues unresolved may be taken up to DG, HR, DRDO HQ and Rep of HQ IDS for discussion and resolution. Later, a final MoU to be signed between HQ IDS and HQ DRDO may be put up for approval of Chairman, GC.



### 15.6.3 NOC for AMWP

#### Discussion:

Air Marshal S P Wagle, VM, DCIDS (DOT), IDS HQ informed that a proposal for three AMWP works has been forwarded to DRDO HQ for obtaining NoC and requested Chairman, GC to look into the same.

#### Decision:

The Chairman, GC informed that this being a routine matter may be addressed separately. The Chairman informed that DG, HR DRDO may be approached for necessary action.

### 15.6.4 National Education Policy

#### Discussion:

The Vice Chancellor DIAT presented agenda on new NEP being adopted by DIAT. VC informed that a high level meeting chaired by Hon'ble Prime Minister of India on the NEP which was attended by VC, DIAT along with all the major stakeholders of the country i.e. Education Minister, UGC, Chairman, Directors of IIT. It was communicated that Govt is looking for all the higher educational institutions to become complete self-sufficient in terms of funds requirement and the autonomous bodies may have liberty to take steps in the same line.

In this context, the GC was informed that DIAT has already taken steps to move forward to become self-sufficient by starting new M.Tech programs such as Self-Financed M.Tech programme under the new Education policy. An agenda point has also been moved to BoM for approval to admit this academic year self-financed M.Tech candidates which is being practiced in all the NITs. In this, students who missed to write the common entrance exam GATE or non-GATE students have an opportunity to get admission in DIAT by clearing written examination. With this process DIAT will accommodate self-financed M.Tech students for available vacant seats after CCMT process. They will not get any scholarship but will be considered for placement through DIAT and they will be charged fees more than regular scholarship students.

VC mentioned that this decision has been taken in view of the new Education Policy and also fill-up the gap of vacant seats and requested to GC to consider the proposal for approval.

#### Decision:

The GC has approved the proposal.

[Action: DIAT]

#### Chairman Concluding remarks:

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

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

29 July '22