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**उन्नत प्रौद्योगिकी रक्षा संस्थान**

(सम विज्ञविद्यालय), 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/16<sup>th</sup>GC/2023/

Dated 3<sup>rd</sup> July, 2023

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

**Subject : Minutes of the 16<sup>th</sup> meeting of the Governing Council held  
on 08/05/2023**


Dear Sir,

I am directed to forward the minutes of 16<sup>th</sup> Governing Council meeting, held on 08/05/2023 at New Delhi, duly approved by Chairman, GC for your information and records please.

Thanking you,

Encl: As above.

Yours faithfully,

  
03/07/23  
(Kamal Kumar Bajre)  
Registrar

**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 | <b>AOP / Air HQs</b><br>Room No. 333<br>Air HQ, Rafi Marg<br>New Delhi-110011  | Member |
| 5 | <b>COP / IHQ of MoD (Navy)</b><br>Integrated Headquarters of Ministry of<br>Defence (Navy), Room No. 210, C Wing,<br>Sena Bhawan<br>New Delhi-110011 | Member |
| 6 | <b>DCOAS (IS&amp;T) / Rep IHQ of MoD (Army)</b><br>Room No. 207-C, South Block,<br>New Delhi – 110011  | Member |
| 7 | <b>Dr. Raghunath K. Shevgaonkar</b><br>Professor Emeritus,<br>IIT Bombay<br>B 301, Lake Homes Phase 2<br>Near Gopal Sharma School<br>Powai           | Member |
| 8 | <b>Prof. V. Ramgopal Rao</b><br>Group Vice-Chancellor,<br>Birla Institute of Technology & Science<br>(BITS) Vidya Vihar, Pilani-333031               | Member |

**CC:**

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

शासी परिषद की सोलवी बैठक का कार्यवृत्त

**MINUTES OF THE 16<sup>th</sup> MEETING OF THE  
GOVERNING COUNCIL**

**8<sup>TH</sup> MAY, 2023**



**उन्त प्रौद्योगिकी रक्षा संस्थान**  
(सम-विश्वविद्यालय)  
गिरीनगर, पुणे – 411025

**Defence Institute of Advanced Technology  
Deemed to be University  
Pune- 411025, Maharashtra**

## DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY PUNE, MAHARASHTRA



### 16<sup>TH</sup> MEETING OF THE GOVERNING COUNCIL MONDAY, MAY 8<sup>th</sup>, 2023

Item No.	Particulars
GC- 16.1	Welcome address by the Chairman, GC
GC- 16.2	Action taken report on the decisions taken during the 15 <sup>th</sup> GC meeting held on 14/07/2022
GC- 16.3	Confirmation of the Minutes of the 15 <sup>th</sup> GC meeting.
GC- 16.4	<b><u>REPORTING ITEMS</u></b>
GC- 16.5	<b><u>AGENDA POINTS FOR DISCUSSION</u></b>
GC- 16.5.1	Audited Statements of Accounts for the year 2022-23
GC- 16.5.2	Status of progress of work on Institute of National Importance
GC- 16.6	<b>Any other point with the permission of the Chair.</b>

**DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY**

Minutes of 16<sup>th</sup> Meeting of the Governing Council held on 8<sup>th</sup> May, 2023 from 11:00 A.M. in the Secretary, DDR&D Conference Hall of DRDO HQ, New Delhi.

The following were present:

- |   |                  |
|---|------------------|
| 1) Dr Samir V. Kamat<br>Secretary, DDR&D                              | Chairperson      |
| 2) Vice Admiral Suraj Berry<br>AVSM, NM, VSM, COP / IHQ of MoD (Navy) | Member           |
| 3) Shri K S Varaprasad<br>DS / DG (HR), DRDO                          | Member           |
| 4) Shri Vedveer Arya<br>Addl. FA (R&D) & JS, DRDO                     | Member           |
| 5) Air Cmde A. Vaidya<br>Rep. of AOP, Air Force HQ                    | Member           |
| 6) Gp. Capt. Rajesh Mankotia<br>Rep. of DCIDS (DoT), IDS HQ           | Member           |
| 7) Dr. C. P. Ramanarayanan<br>Vice Chancellor, DIAT                   | Member Secretary |

Leave of absence has been granted to the following:

- |  |        |
|--|--------|
| 8) Prof. V. Ramgopal Rao<br>Professor, IIT Delhi           | Member |
| 9) Prof. R S Shevgaonkar<br>Professor Emeritus, IIT Bombay | Member |

The DCOAS (IS&T) / Rep IHQ of MoD (Army) could not attend the meeting.

At the outset, Vice Chancellor DIAT & Member Secretary, GC welcomed all members and presented a brief on the progress of DIAT.

Thereafter, the agenda items were taken up as follows:

**Item No. 16.2      Action taken report on the decisions taken during the 15<sup>th</sup> GC meeting held on 14/07/2022**

Agenda Points	Agenda points discussed	Decision	Progress / Action taken
15.5.1	Annual Report for the year 2021-22	GC ratified the Annual Report for the year 2021-22	Action Completed

15.5.2	Audited Statements of Accounts for the year 2021-22	GC Approved the Audited Statements of Accounts for the year 2021-22	Action Completed
15.5.3	Status of progress of work on Institute of National Importance	Case be processed on priority	DRDO has given the comments as stakeholders. Comments still awaited from IDS HQrs.
15.6.1	Increase in the Core Faculty Strength from 60 no. to 65 Nos.	Approved.	Implemented.
15.6.2	Finalization of Draft MoU between DIAT (DU) and MILIT	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.	DIAT and MILIT signed a working arrangement document and the same was forwarded to DRDO and IDS.
15.6.3	NoC for AMWP	DG, HR DRDO may be approached for necessary action.	NoC for AMWP was accorded by DRDO HQ. Action completed.
15.6.4	National Education Policy	DIAT to implement New Education Policy.	National Education Policy being implemented as applicable

While going through the ATR, the GC observed that DIAT and MILIT are training organizations with different characteristics, one being a Civilian University and the other an Armed Forces establishment. Their co-existence in one campus has its own pros and cons. Further both the organization are growing and require to augment infrastructure and resources. Thereafter, the GC resolved to recommend a Committee to the Hon'ble RM to study the current resource utilization and recommend a viable solution about location and resource allocation for the two establishments.

With above decision the GC noted the ATRs.

**Item No. 16.3 To confirm the minutes of the 15<sup>th</sup> meeting of the Governing Council held on 14/07/2022**

It was noted that the minutes of 15<sup>th</sup> meeting of the Governing Council held on 14/07/2022 have been circulated and no comments have been received. Therefore, the minutes of 15<sup>th</sup> meeting of the Governing Council held on 14/07/2022 was **confirmed**, as circulated.

**Item No.16.4: Reporting Items:**

The following reporting items vide agenda item No. 16.4 were noted by the GC:

**I. AWARDS & RECOGNITIONS**

- a) DIAT achieved 71st rank in all India Engineering category by NIRF 2022. (This year DIAT participating in Research category also)
- b) DIAT was awarded A grade by NAAC (3.24/4.00) in Dec 22 for 5 years.
- c) NBA recognition for Mechanical and Electronics MTech programs.
- d) 10% of DIAT faculty are listed in top 2% Influential Scientists - Stanford University list.
- e) Fellow of the Royal Society of Chemistry (Prof. K. Balasubramanian)
- f) National Award for Women Leaders from C4i4 Labs and Ministry of Heavy Industries, GoI (Prof. Sangeeta Kale)

**II. ADVANCED RESEARCH PROGRAMS ENVISAGED**

- a) Develop indigenous Quantum Technology devices.
- b) To take project on GPS Denied navigation using Atom interferometry.
- c) To work on projects like Photonic Radar, Foliage Penetrating Radar and Soft and hard kill options for drones.
- d) To work on Plasma Radar and Quantum Radar
- e) To create a Centre of Excellence for Cryptology and Cryptanalysis, with support of DRDO
- f) To work on Project on Space to Underwater Communication.
- g) To work on use of Hydrogen for safe handling and Transportation.
- h) To work on C14 Technology to develop a battery with infinite life

**III. NEW MTECH / MSc PROGRAMMES**

- a) M Tech in Green Technology
- b) M Tech in Renewable Energy.
- c) MSc in Material Science
- d) MSc in Applied Physics (Photonics)
- e) MSc (Tech) in Photonics
- f) MSc in Applied Chemistry
- g) MSc in Data Science

**IV. ACADEMIC COLLABORATIVE ACTIVITIES**

- a) Four MTech students from DIAT have been selected for Double degree program with Cranfield UK
- b) Collaboration with Deakin University, Australia for PhD program - 2 students completed and 2 students are pursuing.
- c) Delegation from Oman (Military Technological Colleges) visited DIAT and they are likely to send student officers for M.Tech / Ph.D. Programs
- d) DIAT signed MoU with Tarxya Technologies Pvt. Ltd., Bengaluru

**V. CUSTOMIZED COURSES (FOR INDIAN NAVY OFFICERS)**

Name of Customized Course	Date	Organized by
Real-Time Control System Integration for Navy Applications	2 <sup>nd</sup> - 13 <sup>th</sup> May, 2022	School of Robotics
Artificial Intelligence and Machine Learning	2 <sup>nd</sup> - 13 <sup>th</sup> May, 2022	Deptt. of CSE
Data Science	4 <sup>th</sup> - 18 <sup>th</sup> May, 2022	Deptt of Applied Mathematics
Cyber Security	4 <sup>th</sup> - 14 <sup>th</sup> May, 2022	Deptt of CSE
Cryptology	23 <sup>rd</sup> May, 2022 - 14 <sup>th</sup> June, 2022	Deptt of CSE
Quality Management for Naval Armament Inspection(NAI)	9 <sup>th</sup> Jan 2023 - 4 <sup>th</sup> Feb 2023	Deptt of Tech. Management

Certificate courses on ML, Data science and AI being progressed at All India level. More than 2400 trained in this skill set.

**VI. POINTS 23**

DIAT successfully conducted 23rd Post Induction Training School (POINTS) Programme in three batches comprising of 284 DRDO Scientists from different labs from 4th July, 2022 to 27th Jan 2023.

Preparations are on for 24th Post Induction Training School (POINTS) Programme.

**VII. STUDENTS STRENGTH, AT A GLANCE**

PROGRAM	2019-21	2020-22	2021-23	2022-24
M Tech / MSc	224	219	297	237

**M. Tech Service HQs**

Academic Year	ARMY	NAVY	AIR FORCE	DRDO	ICG
2022-24	7	9	8	11	3
2021-23	13	6	5	10	6
2020-22	1	2	14	15	4
2019-21	17	19	21	16	6

**PHD / MS [BY RESEARCH] STRENGTH**

PROGRAM	2018-19	2019-20	2020-21	2021-22	2022-23
PhD	21	30	25	38	35
MS	02	01	-	-	-

**VIII. DETAILS OF ACADEMIC ACHIEVEMENTS**

(For the last five years)

Number of research papers published in peer reviewed journals by faculty	850
Number of Books / Book Chapters/ Proceedings published	145
Number of Research Projects completed	85
Number of technical papers published in conferences and workshops	320

**IX. DETAILS OF 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 GC **NOTED** the above reporting items.

**ITEM NO.16.5: AGENDA FOR DISCUSSION:**

**Item No.16.5.1: Audited Statement of Accounts for the year 2022-23**

The Audited Statement of Accounts for the year 2022-23 has been recommended in 29<sup>th</sup> FC & 31<sup>st</sup> BoM and is to be tabled in the parliament.

The GC **RESOLVED** to approve the Audited Accounts of the Institute for the FY 2022-23, for further action.

Action: DIAT

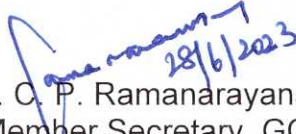
**Item No. 16.5.2: Status of progress of work on Institute of National Importance**

The Member Secretary, GC informed that the status of INI was also inquired by Hon'ble RM in the 7<sup>th</sup> GB meeting held on 21/02/2023. The recommendations of the IDS HQ is awaited.

The GC noted that all the required details on subject has been received at HQ IDS and Rep of DCIDS (DoT) HQ IDS assured that the recommendations of IDS HQ will be forwarded soon.

Action: HQ IDS

The meeting concluded with a vote of thanks to the Chair.

  
(Dr. C. P. Ramanarayanan)  
Member Secretary, GC