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DIAT/F/10(3)/BoM/2013-Adm

23rd June 2015

MINUTES OF THE 6th MEETING OF THE BOARD OF MANAGEMENT (BoM) OF DIAT(DU) HELD AT DIAT(DU) PUNE AT 1430 HRS ON 12th JUNE 2015

The following were present:-

 (a) Dr S Pal (b) Dr GS Malik (thro Video) (c) Sh RG Viswanathan(thro Video) (d) Dr Hina Gokhale (e) Prof KN Ganesh (f) Prof Girish Kumar (g) Dr Ranjit Date(thro Tele) (h) Dr SK Das (i) Dr SE Talole (j) Dr Sangeeta Kale (k) Dr SK Panigrahi (l) Dr DK Thakur (m) Sh Ramesh Jahagirdar (n) Rear Admiral (Retd) 	VC, DIAT (DU) CC(R&D) HR, DRDO Hqrs Addl FA(R&D), DRDO Hqrs DHRD DRDO Director IISER, Pune IIT Bombay MHRD Rep Dean (AS) Dean(T) Chairperson DRC Chairman PGC CoE, DIAT(DU), Pune FO/DIAT	Chairman Member Member Special Invitee Member Member Member Member Invitee Invitee Pmt Invitee Special Invitee
(n) Rear Admiral (Retd) VS Batra, VSM	Registrar, DIAT(DU) Pune	Secretary

- 2. Registrar, DIAT(DU) welcomed all to the 6th meeting of the BoM and sought leave of absence for Prof Rajanna and Dr PK Khanna. Thereafter, Registrar invited VC for opening remarks.
- 3. NAAC Team Visit to DIAT. VC stated that the NAAC team visited DIAT 12-14 May 2015 and complimented that DIAT personnel rose to the occasion and there was visible improvement all around. Though the final grade is still awaited, VC shared the feedback given by NAAC team during exit conference as per details given below:-
 - (a) Need for creation of Centres of Excellence.
 - (b) Need for optimal utilisation of DIAT.

- (c) Need for Inter-disciplinary research at DIAT.
- (d) Spectrum of courses being offered at DIAT needs to be broadened.
- (e) Need for introduction of Choice Based Credit System as per directions of the UGC.
- (f) Increase in number of seats in each programme.
- (g) Need for early full scale activation of Incubation Cell.
- (h) Better exploitation of ICT in Education at DIAT.
- (i) Introduction of Professional Development Allowance/Fund.
- (j) Improvement in Library facilities.
- 4. <u>New M Tech Programmes</u>. VC apprised that whilst new M Tech Programmes in Signal Processing and Communication (with specialization in Navigation Systems and Wireless Network Applications) and Robotics are being started from AY 2015-16, one on UAV will be started in AY 2016-17. On a query by CCHR and Addl FA & JS, it was clarified that new courses in 2015-16 were not offered to DRDO and Services this year due to paucity of time. Addl FA & JS stated that same could be tried even at this late stage. Accordingly, DHRD agreed to take up the matter with RAC (formal communication from DIAT has since been sent to DRDO Hq).
- 5. <u>Upgradation of Labs</u>. VC emphasized the need for upgradation of Technology Deptt labs as was also observed by the NAAC Team. In this connection, VC apprised that a well thought out Three Years Equipment Induction Plan (TEIP) has been forwarded to DRDO Hq as part of the budgetary projections for 2015-16. VC solicited DRDO Hq help to get the same approved so that work can commence on inductions in a time bound manner.
- 6. Transfer of DRDO Faculty Positions to DIAT. VC stated that there is a need for deviation from standard Student: Teacher ratio norms of the UGC for DIAT as the Institute is running varied programmes with lower students strength. He stated that whilst advertisement has been published (last date 22nd June 2015) inviting applications for filling up reserved category vacant faculty posts at DIAT, DRDO Hq may consider transferring atleast 50% of 28 vacancies earmarked for deputation of DRDO Scientists. During the discussion that ensued, both CCHR and Addl FA&JS stated that there would be a need to go for amendment to Govt sanction and further advised that it may be desirable to examine possibility of short term reappropriation of vacancies so that option always exists to depute DRDO Scientists on deputation subsequently if the availability improves. VC agreed to take up a detailed proposal with various options (letter since sent to DRDO Hq).
- 7. Thereafter VC directed Registrar to proceed with the Agenda. Details of issues discussed and decisions taken are given in succeeding paragraphs.
- 8. <u>New Members</u>. Consequent upon reconstitution, following new Members of the BoM introduced themselves:-

- (a) Dr SE Talole, Dean(T).
- (b) Dr K Balasubramanian, HoD Deptt of Material Engineering
- (c) Dr DK Thakur, Associate Professor, CoE.

Progress on Minutes of the BoM meeting held on 23rd March 2015

9. The progress on the various decisions taken at the BoM Meeting on 23rd march 2015 are tabulated below:-

	Point	Progress
(a)	Contract Faculty	All Contract Faculty have been relieved on expiry of their respective last extended term(s)
(b)	Deptt of Biosciences	Future plans will be worked on receipt of DRDO Hq directions in Sep 2015. Issues regarding Guides for M Tech Students have been resolved. Issues regarding PhD guides are also in the process of getting resolved. Two DRDO Sc (one recently retired) have been enrolled as Adjunct Faculty.
(c)	Purchase of replacement vehicle	Vehicle (Innova)against DGS&D RC order received.
(d)	Awards at DIAT	Revised list has been promulgated and forwarded to DRDO Hq.
(e)	New M Tech Programmes	Being discussed as a separate agenda point
(f)	Budget for 2014-15	As directed by BoM at the last meeting, a TEIP aligned to the academic growth has been drawn up and forwarded to DRDO Hq. Focus has been to strengthen Technology Deptts. Budget as concurred by the FC for 2014-15 is being discussed as a separate Agenda Point.
(g)	Strength of various M Tech programmes in 2015-16	Larger and the first point of th
(h)	POINTS 20 Programme	The programme is due to commence on 03 rd Aug 2015 for which detailed proposal has been forwarded to DRDO Hq. Early approval was accordingly solicited.
(i)	Cost per Student	FO stated that following costs have been arrived at: (a) Including Salary component. Rs 5,78,795/- (b) Excluding Salary component. Rs 2,54,420/- Prof Ganesh, IISER stated that this was quite comparable to the cost in IISER. Registrar stated that with proposed increased fee

structure and intake in each programme, per student cost will come down considerably. Addl FA & JS stated that DIAT should work on increased
 internal accruals and also undertake cost vs return analysis before starting any new future programme. He also advised that notional costing of servicing DRDO and
Services candidates may also be worked out by FO. VC agreed to undertake the exercise and present the same at the next BoM meeting.

10. Thereafter, the BoM ratified the minutes of the 5th Meeting.

Reporting Issues

- 11. Registrar apprised the BoM following:-
 - (a) NAAC Team visited DIAT 12-14 May 2015 and NBA Team is due to visit in Aug/Sep 2015.
 - (b) Recruitment process for 09 faculty positions under various categories has been initiated through advertisement in press. Extended date for receipt of applications is 22^{nd} Jun 2015.
 - (c) Faculty on deputation/attachment has been sought from DRDO Hq against vacant positions (02 borne against sanction of 28).
 - (d) DRDO HQ have also been approached for seeking Service Officers on deputation/attachment for teaching jobs at DIAT in view of the formal bifurcation of MILIT w.e.f 01st Apr 2015.
 - (e) Convocation is now planned in 2016.
 - (f) DRDO Hq have been requested to appoint a committee to review Statute w.r.t Service Conditions and Recruitment Rules so that same are aligned with instructions issued by UGC/DOP&T from time to time.
 - (g) Prof Girish Kumar of IIT B has been nominated as the **Chancellor's rep in all** selections committees of the **DIAT**.
 - (h) Placements details during 2015:-

Department	Name of the Student	Company/Organization
Aerospace	Mr. Dhherajkumar Pande	DRDO
Engineering	Mr. Nilesh Suresh Mate	DRDO
Applied	Ms. Shruti Dindorkar	3D PLM
Mathematics		

Mechanical	Mr. Kallola Das	TATA POWER SED
Engineering	Mr. Pavan Kumar Patil	TATA POWER SED
	Mr. Akshay Rai (on hold)	TATA POWER SED
Applied Chemistry	Mr. Vinay Gupta	Solar Explosives
/ ipplied circums /	Mr. Vivekanand Swami	Solar Explosives
	Ms. Neha Singh	IIT Mumbai(PhD)
	Ms. Jyoti Shrivastava	IIT Hyderbad(PhD)
Computer Engineering	Mr. Akshay Sarode	Delloite Inc., Mumbai

Agenda Points

- 12. New M Tech Programmes. Details are given below:-
 - (a) New Programmes only for Open Category during AY 2015-16:-

Programme	Specialisation	Numbers Admitted	Covered under AICTE DBT Scheme
Signal Processing and Communication	Navigation Systems Wireless network and Applications	25	Yes
Robotics	-	15	No

(b) <u>Programmes offered to Open category for the First Time</u>. receipt of applications is 12th June 2015. Details are given below:-

Last date for

Programme	Specialisation	Numbers to be Admitted	Covered under AICTE DBT Scheme
Sensor Technology	LEOC	06	Yes
Technology Management		10	No

13. On the advice of the Addl FA &JS, BoM decided to make efforts (even at this late stage) for getting students from DRDO and Services in the new programmes on Robotics, Navigation Systems and Wireless Network Applications (Formal letter since sent to DHRD/DRDO Hq).

Action: Registrar/DHRD

14. Likely Programme-wise strength in M Tech during AY 2015-16:-

Programme	Deptt	Open category	Likely through RAC/SHQs
Guided Missiles	AE	07	08
Armament/Combat Vehicles	ME	12	01
Marine Engg	ME	04	10
Robotics	ME	15	
Chemical Science and Technology	AC	14	01
Material Science and Technology	Mat Engg	10	04
Radar and Communication	EE	12	07
Signal processing and Communication (WSA, NS)	EE/CSE	25	•
Sensor Technology	AP	13	
Sensor Technology(LEOC)	AP	06	02
Modelling and Simulation	AM	12	03
Cyber Security	CSE	08	11
Technology Management	TM	10	09
Air Armament	AE	-	04
Defence Electronics System	EE	•	06
Total		148	66

Revision of Fee Structure

- 15. After brief discussions BoM approved following revisions:-
 - (a) M Tech Programmes other than Technology Management(TM). Increase from Rs 5000/Semester(fixed in 2008/2009) to Rs 12,400/Semester.
 - (b) <u>M Tech Programmes in Technology Management(TM).</u> Fee for open category @ Rs 2.51 Lakhs PA (*Fee for similar programme at IIT B and IISc being Rs 4,28,500 PA and Rs 3,00,000 PA respectively*).

- (c) Ph D Programmes. Increase from Rs 5,000/Semester to Rs 25,000/Semester.
- 16. Addl FA&JS reiterated the need to make programmes, as far as possible, cost neutral Introduction of Fellowship
- 17. Registrar apprised that at present only following Programmes are not covered by AICTE DBT Scheme even though students are/will be GATE qualified:-
 - (a) <u>Biosciences and Engineering</u>. The current batch was admitted during AY 2014-15 and the programme is being discontinued from AY 2015-16.
 - (b) <u>Robotics</u>. The first batch is being admitted during AY 2015-16. It is proposed to replace existing dormant programme on GTT (approved by AICTE) with Robotics from batch to be admitted in AY 2016-17.
- Registrar sought BoM's approval to pay following:-
 - (a) <u>Students of 2nd Year M Tech in Biosciences and Engineering</u>. Fellowship @ Rs 12,400/PM for AY 2015-16 only.
 - (b) Students of M Tech in Robotics. Fellowship @ Rs 12,400/PM for AYs 2015-16 and 2016-17.
- 19. After brief discussion, BoM approved the proposal.

Approval-in Principle(AIP)

- 20. Registrar sought AIP for the following:-
 - (a) <u>Hiring of Hostel Accommodation</u>. In view of likely increase in strength of M Tech students as also bigger POINTS Batches, it is necessary to hire accommodation for the students (they will pay all the fees etc) and arrange conveyance to the DIAT. Prof Girish Kumar suggested that proposal fo construction of Girls/Addl Hostel need sto be pursued on priority. On a query from CCHR, it was clarified that proposal sent to DRDO Hq/DCW&E was kept pending as per decision of the DMC. CCHR advised that whilst hiring hostel accommodation and arranging conveyance DIAT needs to indemnify from any liabilities on account of any contingencies. Thereafter BoM approved DIAT proposal to examine feasibility.
 - (b) <u>Contributory Group Insurance Scheme</u>. BoM approved examining feasibility of Introduction of Contributory Group Insurance Scheme (GIS) for DIAT Personnel.

- (c) <u>Health Insurance Scheme for Students</u>. After discussions, BoM approved introduction of a **Contributory** Health Insurance Scheme (**HIS**) for the Students. The premium liability to be included in the Fees.
- (d) <u>Starting of Deptt of Humanities at DIAT</u>. Registrar proposed that as is the case in most of Technology Education Institutes and as per the advice of the NAAC Team, it is proposed to start a Deptt of Humanities for teaching soft skills, communication skills etc to students at DIAT. Prof Girish Kumar also endorsed the proposal as similar deptt also exists at IIT B. After discussions, BoM approved that for the time being, a capsule could be outsourced and based on the experience, proposal can be formulated for a separate Deptt in due course.

Academic Calender for 2015-16

21. BoM approved the following Academic calendar as recommended by the Academic Council (AC):-

Semester	Duration	Break	Result
Autumn	Jul-Dec 2015	14 -27 th Dec 2015	28 th Dec 2015
Spring	Jan-Jun 2016	06 Jun-03 Jul 2016	04 th Jul 2016

Annual Accounts for 2014-15

22. FO gave detailed brief on the audited annual accounts for the FY 2014-15 as concurred by the Finance Committee. Addl FA & JS reiterated the need for economy in administrative and establishment costs in addition to making programmes at DIAT cost neutral after duly factoring the notional income on account of imparting education and research programmes for DRDO Scientists and Services Officers. Thereafter, BoM approved the Annual Accounts for FY 2014-15 for appending to the Annual Report for 2014-15.

Budget for 2015-16

- 23. FO apprised that during the 5th meeting, BoM had approved revenue expenditure amounting to Rs 24.15 crores with directions to forward a **TEIP** for incurring Capital Expenditure. The same has been forwarded and details are summarised below:-
 - (a) FY 2015-16. Rs 23.85 crores. (b) FY 2016-17. Rs 26.89 crores
 - (c) FY 2017-18. Rs 31.01 crores.
- 24. After detailed discussions, Addl FA &JS advised the following:-
 - (a) Prioritisation of Plan for 2015-16 (since done and forwarded to DRDO Hq).

- (b) FO to visit DRDO Hq for detailed discussions.
- (c) FO to explore feasibility of following model in similar organizations whereby sanction is accorded by DRDO Hq, procurement is effected by DIAT and ownership of item is vested with DRDO.
- 25. VC sought early approval of the budget so that DIAT can proceed ahead in a time bound manner.

Details of Patents

- 26. Chairman IP Cell/DIAT made a detailed presentation (Appendix A) on patents filed and the procedure being followed. Dr Date felt that the procedure being followed is time consuming for logical culmination.
- 27. Chairman IP Cell clarified that since MoU was under deliberation there was a slight delay in proceeding ahead. Now that the same has been finalized the whole process is likely to move at a faster pace.
- 28. Addl FA &JS suggested that for marketing, DIAT could explore feasibility of concurrent marketing of patenst through FICCI/CII as is being done by DRDO Hq. DHRD/DRDO agreed to examine the feasibility.

Details of Publications

- 29. Dean(T) gave deptt-wise details of the publications(Appendix B) with range of Impact Factor. Addl FA&JS stated that the same needs to be presented in comparison with previous years. Prof Ganesh sought the same with individual impact factor instead of range of Impact Factors. VC directed Dean(T) to do so at the next BoM meeting.
- 30. VC thanked all for constructive and meaningful participation in the meeting. There being no further point, the meeting was adjourned.
- 31. Next meeting of the BoM will be held on 11th Sep 2015 at Pune.

(VS Batra)

Rear Admiral(Retd)

Registrar & PD POINTS Programme

Enclosures: Two

Distribution:

All Members

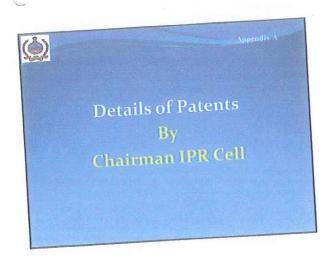
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Chancellor, DIAT through CC(R&D) HR/DRDO Hqrs,

Secretary Defence (R&D)

MHRD (Secretary Higher Education)

Secretary UGC



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7	Patent Table	Patent Appl. No.	Initial Patent filed on	Complete potent Biol on	Proces data
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Appendix B

Details of Publications By Dean(Technology)

			4-15
S 1.	Department	Nos.	Impact Factor
VO.	Fusingging	14	0-2.4
	Aerospace Engineering	23	1-6.7
	Applied Chemistry	22	0.5 to 2.6
	Applied Mathematics	25	2-3
	Applied Physics	10	0.7-1.2
	Computer Engineering	06	0-1.6
	Electronics Engineering		0.43-5.9
	Materials Engineering	45	0-3.71
•	Mechanical Engineering	34	0-1.22
	Technology Management	02	0-1.22
)	Total	181	