

phone 020-24304021

Defence Institute of Advanced Technology  
(DIAT) (Deemed University),  
Giriniagar, Pune-411 025

DIAT/F/REG(G)/AC/1410

Jan 5, 2016

**MINUTES OF THE ACADEMIC COUNCIL MEETING HELD AT DIAT PUNE ON 4<sup>th</sup>**  
**JAN 2016 AT 1100hrs**

1. Following were present:-

|     | Designation  | Remarks     |
|-----|--|-------------|
| (a) | Vice Chancellor, DIAT (DU), Pune                         | Chairman    |
| (b) | Prof BN Jain, Ex VC BITS Pilani/IIT D (On Skype)         | Member      |
| (c) | R/Adm A S Sethi, VSM, Comdt MILIT, Pune/Rep IDS Hq       | Member      |
| (d) | Dr Ashok Kumar, DHRD, DRDO HQ, thro' Video Conf          | Member      |
| (e) | Ms Anita Sehgal, Addnl DHRD, DRDO, thro' Video Conf      | Spl Invitee |
| (f) | Prof S K Das, Dean (SA)                                  | Member      |
| (f) | Dean(AS) & HoD, Material Science Engg                    | Member      |
| (g) | HoD, Applied Chemistry                                   | Member      |
| (g) | HoD, Applied Physics                                     | Member      |
| (h) | Prof S K Panigrahi, Dept of ME                           | Member      |
| (i) | HoD Deptt of ME  | Member      |
| (j) | HoD, CSE   | Member      |
| (k) | HoD Deptt of Aerospace Engineering                       | Member      |
| (l) | CoE  | Member      |
| (m) | Dr Tejashree Bhawe, Asstt Prof Deptt of AP               | Member      |
| (n) | Dr Ashutosh Abhyankar, Asstt Professor Deptt of Mat Engg | Member      |
| (o) | Univ Librarian   | Member      |
| (p) | Finance Officer  | Member      |
| (q) | Dy Registrar (Acad)                                      | Spl invitee |
| (r) | Dr Sumati, Asst Prof, TM                                 | Spl Invitee |
| (t) | Registrar I/c  | Secretary   |

Dr. S E Talole, Dean (Technology) and HoD, AM were allowed leave of absence.

2. Registrar I/C welcomed all the members to the AC Meeting and invited the VC for opening remarks.

3. VC, the Chairman extended a very warm welcome to all the members of AC and specially welcomed Prof B N Jain, Dr Hina Gokhale, DoP, DRDO HQ, Dr Ashok Kumar, DHRD, DRDO HQ and Mrs Anita Sehgal, Addnl DHRD, all joining the meeting on video conferencing and Cmdt A S Sethi, Commandant, MILIT who joined the ACM in person. Dr Hina Gokhale, introduced Dr Ashok Kumar, who has just taken over as the new DHRD, to the AC and



requested VC to permit her to go ahead with her other engagements. VC expressed sincere thanks for her support and guidance to the Academic Council and also as an excellent administrator and academician and requested her continued support to DIAT, in the days to come. Being the first meeting of AC in the year 2016, VC wished all a very happy year ahead. In his opening remarks, VC touched upon the following aspects:

- (a) DIAT will be opening new PG programmes, conforming to AICTE nomenclature in generic names with specialisations in various fields thus ensuring Scholarship to almost all programmes, to the non-sponsored category students;
- (b) The induction raising by the various academic departments is encouraging and DIAT will be able to create good infrastructure including lab facilities, this year under the Three Years Equipment Induction Plan (TEIP).
- (c) Requested DRDO's support to have more scientists on deputation out of the 20 positions of DRDS.
- (d) Re-introduction of Master of Research Programme by DIAT for sponsored students
- (e) Revision of the DRC and PGC Rules.

4. Thereafter he directed Registrar to proceed with the schedule of the meeting. Registrar presented the Action taken Report on the decisions taken in the AC Meeting held on 11<sup>th</sup> Sep 2015 as per details given below:-

|     | Point                                       | Status   |
|-----|---|--|
| (a) | Status of Patents                           | Received the DRDO HQs approval for transfer of patent applications to DG, DRDO through Dte of ER&IPR, DRDO HQs and action is on for the same. A copy of all correspondences in this regard will be sent to DHRD as well, for information and necessary support in this regard. |
| (b) | Details of Publications                     | It was decided in the previous ACM to present the publications on calendar year basis. Though the calendar year 2015 has ended, it will take a little more time to consolidate and present the same and hence, requested AC that details will be presented in the next ACM.    |
| (c) | Duration for PhD completion                 | As per the recommendations in the AC Meeting and UGC guidelines, the duration is restricted to 5 years. This is included in the new PhD Rules and Regulations being brought out.   |
| (d) | Effort to have more Projects from DRDO Labs | The effort to get Projects from DRDO labs is underway and it has been taken as a   |

|     |  |  |
|-----|--|--|
|     |  | prime area of activity to promote research in DIAT and a problem solving area for the DRDO labs .  |
| (e) | Supervisors for PhD Students from DRDO | As decided in the previous ACM, a letter has been written to UGC and in the meanwhile, provision to have DRDO Scientists has been included in the revised PhD Rules and Regulations. |

5. With the permission of the AC, the minutes of the AC Meeting of 11 Sep 2015 has been ratified.

**Agenda Points for discussion:**

6. **Revision of Rules and Regulations for the Award of Doctor of Philosophy:**

Dr Sangeeta Kale, Chairperson, DRC presented the rationale for bringing out a new document and brought out salient features of the new Rules and Regulations for Award of PhD Degree. Details of the same is at Annexure – A.


During the discussions on this, Prof Jain indicated that UGC/MHRD clearances may be sought on engagement of DRDO Sc as guides. With a brief discussion on various salient features, the *AC approved the proposed new Rules and Regulations for award of the Degree of Doctor of Philosophy*. Addnl Dir, HRD, DRDOHQs requested for a copy of the new document for detailed study.

7. **Approval to continue DRDO scientists as Supervisors for PhD students of DIAT who guided them till pre synopsis stage:**

DIAT has a few PhD students who were guided / being guided by DRDO Scientists who were posted/ attached with DIAT at the time, the students were assigned and since been transferred to other DRDO Labs. As per UGC regulations, only regular (not adjunct) faculty can guide PhD students. It was proposed to allow one time dispensation on the matter to allow the DRDO Scientists who have been guiding the PhD students till Pre-Synopsis stage, so that pending cases of students could be processed for award of degrees on completion of viva-voce, in line with the documents submitted to UGC & MHRD for Deemed University status. However, no Adjunct Faculty shall be allowed to guide PhD students, as per UGC guidelines.

After detailed deliberations, the AC approved that the cases of students already submitted thesis / defended the thesis, may be processed for award of PhD degree. However, it was suggested that in all other cases, where the DRDO Sc are presently guiding the students for PhD, be asked to have an internal guide from DIAT to conform to the UGC stipulations. Addnl Dir HRD, DRDO HQ offered to make an effort to convince the Scientist(s) of DRDO about the need to have a guide from the core faculty.

8. **Approval to engage eminent DRDO Scientists as PhD guides for students of DIAT:**



Considering the fact that the researches at DIAT are oriented towards the defence / strategic requirements of the nation, it is very important that the eminent and experienced scientists of DRDO are involved as PhD guides to DIAT students so that they can have access to the lab facilities of DRDO and hands on experience on the facilities. PhD students of HBNI have this advantage. Academic Council is requested to allow DIAT for empanelment of eminent and experienced Scientists of DRDO, after considering their background, qualifications and experience, as Registered Guides / Supervisors of DIAT, for PhD/ Master of Science (By Research) students, in line with the documents submitted to UGC and MHRD for Deemed University status.

Normally only core faculty can guide the students of the college / university. The issue of having guides from DRDO need be checked further. However, given the provision for such an arrangement by regulatory bodies' viz., UGC, this has been agreed to. This provision has been built into the new Rules and Regulations for award of the Degree of Philosophy. Till UGC clarification is received, an internal faculty of DIAT will continue as the Supervisor and DRDO Scientist from the lab can be a co-supervisor.

### **9. Revision of Rules and Regulations of the Post Graduate Programmes:**

The existing Rules and Regulation of the Post Graduate Programmes was prepared in the year 2009. On the basis of experience during initial years of actual functioning of DIAT as Deemed University, the PGC revisited the Rules & Regulation of the Post Graduate Programmes and draft new Rules & Regulation of the Post Graduate Programmes was presented by the Chairman, PGC.

Salient features of the proposed new Rules and Regulations for the PG Programmes with the eligibility requirements, admission procedure, programme structure, credit outlay, grading system, award of degree etc., is placed at Annexure – B. After a brief discussion, the AC approved the document with a rider that it should conform to the AICTE/UGC guidelines on the subject and any programme which is not approved under the AICTE list of approved courses should be brought under the same for scholarship. **AC approved the revised PG Rules and Regulations.** A copy of the document to be sent to Addnl Dir, HRD, DRDO HQs for detailed study.

The AC also approved commencing/ re-introduction of the Master of Science (by Research) programme for sponsored category students from the academic year 2016, the Academic Calendar for the year 2016-17 (with a rider that it should conform to the UGC Regulations 2010 on the subject) and the Programme-wise revised Restructured curriculum for the year 2016-18.

The Cmtt MILIT/IDS rep indicated some points to bring in consistency in the document. The Vice Chancellor added that a detailed A3 size poster / flyer for the PG programmes and PhD programmes, specifically indicating the strength of faculty, infrastructure etc., will be brought up at the earliest and will be sent to DRDO and IDS HQs for information and enabling planning for nominations. The need to have more nominations by both DRDO and IDS was stressed upon.

### **10. Payment of Scholarship to PhD Students for 5 years**

Till recently, the MHRD has been allowing Scholarships to JRFs for a period of 5 years and 4 years, depending upon whether they join the PhD Programme (JRF) with M.Sc or M.Tech respectively. MHRD, vide its communication dated 1<sup>st</sup> Sept 2015 has directed all Higher Education Institutions

under MHRD to follow a uniform duration of 5 years for payment of fellowship to all the research scholars (JRF/SRF) irrespective of whether they are B.Tech/ M.Sc/ M.Tech degree holders. It was proposed to extend the Institute Scholarship to DIAT PhD students as well, for a period of 5 years irrespective of whether the admission is based on M.Sc/ M. Tech. **While AC approved this extended period to all PhD students joining DIAT since Jul 2016, it was indicated that for the existing students, the same will be applicable only on the basis of recommendations of the duly constituted review committee by the Vice Chancellor.**

**11. Registration of DIAT for ranking under National Institution Ranking Framework (NIRF):**

UGC has directed all the Colleges and Universities to register for NIRF evaluation, on **PRIORITY BASIS.**

The parameters for ranking broadly cover "Teaching, Learning and Resources", "Research and Professional Practices", "Graduation Outcomes", "Outreach and Inclusivity" and "Perception".

Institutions which participate in the ranking exercise have to provide necessary data on the NIRF website. The ranking will be available on the NIRF portal before the start of the new academic session.

VC indicated that the data to be provided are almost similar to the ones provided for NAAC accreditation. Ranking being an evaluation on quantifiable parameters and will enable DIAT to have better visibility, it has been approved to register for NIRF ranking with the necessary data.

**12. Regularization of Expenditure incurred in conduct of M.Tech in TM in association with IISc and Approval of Honorarium to be paid to the Guest Faculties invited for conduct of M.Tech courses for Technology Management:**

The expenditure incurred during the 2014-16 was presented by Dr Sumati, Asst Prof, TM with the figures on the budgeted / approved, spending and earnings as fee for the programme. It was indicated that if the expenditure is within the delegated powers of VC, a specific approval is not required. Further, since the DoP&T OM dated 23 Sep 2014 allows payment @Rs.4000/- to distinguished guest faculty, Addnl Dir HRD, DRDO indicated that this could be considered by AC so far as the faculty invited are of higher order. With this, the AC resolved to pay @Rs.4000/- to the distinguished faculty invited from renowned institutions viz., IITs, IISc, IIMs etc.

**13. Presentation of Results:**

The Controller of Examinations presented results of 2 students of PhD and 1 student of MS (by Research) as they have completed all the requirements for award of degree (list at Annexure – C). The AC approved the results for award of degrees.


**14. Any other point:**

a. **Procurement of e-journals:** The Univ Librarian requested DHRD to share the e-journals being subscribed for by DRDO. DHRD indicated that resource sharing will have less utility value to DIAT. He indicated that it would be better to source e-journals through the UGC and AICTE consortia where by

educational institutions can get e-journals at competitive rates and MHRD /GoI will soon merge these consortia to ease sourcing.

15. VC thanked all for their constructive participation in the deliberations.

16. There being no further points meeting was adjourned.

  
12/1/16

**( T V Ananthasubramanian )**  
**Registrar I/C**

**SALIENT FEATURES OF THE NEW RULES AND REGULATIONS FOR**  
**AWARD OF PhD DEGREE**

## Eligibility for Admission

- (a) Master of Engineering/Master of Technology (or equivalent) for Ph.D. in Engineering/Science.
- (b) Master in Science (M.Sc. or equivalent) for Ph.D. in Science
- (c) MBA with specialization in Technology Management/ M. Tech in Technology Management.
- (d) B.E. / B.Tech with 10 years of research/industrial experience for Ph.D. In Engineering / Science (this category is only for sponsored candidates)

**Note: DIAT reserves the right of enhancement of the minimum eligibility criteria.**

## Classification of the Candidates

- (a) **Full-time Ph.D. Scholar**
- (b) **Internal Part-time Ph.D. Scholar**
- (c) **External Part-time Ph.D. Scholar (sponsored)**
- (d) **Part-time Ph.D. scholar (Self sponsored)**



---





## Supervisors and Co-supervisors

The DIAT fellowship student for each supervisor will be restricted to maximum of **two** at any given time.

A supervisor shall not have, at any given time, more than **five** Ph.D. scholars (that includes two Institute scholarship students). However the supervisor may have **eight** students, under exceptional circumstances to be approved by the VC as per UGC rules.

The supervision of DRDO sponsored Ph.D. scholars would be primarily done by a **DIAT-recognized guide from DRDO**. Internal supervisor shall be from DIAT, for the administrative purpose. This candidate may not be counted in the quota of the respective DIAT faculty. However the total strength will remain eight.

## Allotment of Supervisor

- (i) A regular faculty of DIAT (after completion of probation period) with a Ph.D. Degree and at least two years post Ph.D. research experience.
- (ii) A DRDO scientist holding a Ph.D. degree shall be eligible to be appointed as the external supervisor
- (iii) A non-DRDO scientists and faculty from other institutes with Ph.D. degree will be eligible, on a case to case basis, with approval of Vice Chancellor.



---

Handwritten scribbles and marks in the top right corner.

(

(

## Mode of Admission

### A) Full Time Students:-

A candidate who is qualified in a national level test such as, CSIR/UGC NET (for Ph.D. with fellowship), GATE, State Level Eligibility Test (SLET for PhD fellowship), accredited by UGC, Rajiv Gandhi National fellowship, NBHM etc.

Recipient of National Doctoral Fellowship or other fellowships from government/semi-government organizations such as CSIR, UGC, INAE, AICTE, DST, DBT, DRDO, DAE and similar organizations.

### B) Part time Students (without scholarship)

A candidate who is selected under Quality Improvement Program (QIP), Faculty Development program

A permanent teacher of the Institute with at least four years of service

A non-teaching permanent employee of the Institute with five years experience at DIAT

JRF/SRF registered in DRDO Laboratories, who are sponsored by the respective Laboratories

Project staff (JRF/SRF/PA) working under sponsored projects at DIAT



---

Handwritten marks and scribbles in the top right corner.

Small handwritten mark on the right edge.

Small handwritten mark on the right edge.

## Fees Payable

Candidates sponsored by the Ministry of Defence shall not be charged any fee.

Fees payable by other candidates admitted to the Ph.D. program shall be as prescribed by the Institute from time to time.

## Financial Assistance

A few selected Ph.D. candidates, who are admitted as full-time Ph.D. students will be provided financial assistance as per Institute rules in force from time to time.

The Ph.D. students (who are provided Institute fellowship) will be required to assist in research and teaching activities for a maximum of 10 hours per week in addition to their own duties.

Contingency Grant as per rule to be provided.



A handwritten signature consisting of a stylized 'L' shape followed by three horizontal strokes.



Layout of the Cover page of thesis

"Title of the thesis"

Submitted in partial fulfilment of the requirements  
of the degree of  
Doctor of Philosophy

By

Name of the student  
(Roll Number....)



Department of .....  
Defence Institute of Advanced Technology (DIAT), Pune  
(Year: .....)

Idea proposed to initiate the  
Inter-University Ph.D  
Joint-Degree programme

Modalities are being worked out.  
An approval, in principle is sought.

A handwritten signature in black ink, consisting of a stylized 'L' shape followed by some scribbles.





**SALIENT FEATURES OF THE PROPOSED NEW RULES AND REGULATIONS FOR  
THE PG PROGRAMMES**

|   |   |   |
|---|---|---|
| <b>Eligibility</b>  | BE/B Tech or M Sc with marks/CPI not below the specified minimum and Valid GATE score   |   |
| <b>Categories</b>   | (a) MOD sponsored (DRDO, Tri-service personnel, Coastguard etc.)<br>(b) Non-MOD sponsored and<br>(c) Scholarship students.  |   |
| <b>Selection Procedure</b>  | (a) Mod Sponsored: Through R & T/P/GT schemes,<br>(b) Non-Mod sponsored: Through special interview board,<br>(c) Scholarship: GATE score/GATE score and Interview   |   |
| <b>Financial Assistance</b>   | <ul style="list-style-type: none"> <li>• Scholarship under DBT Scheme of AICTE is applicable to Scholarship students only. Also, such students are eligible for contingent money.</li> <li>• BoM on the recommendation of AC may extend the scholarship to the students admitted to M Tech programmes not covered under DBT schemes of AICTE except sponsored or self financed M. Tech programmes.</li> </ul> |   |
| <b>Admission Fee</b>  | <ul style="list-style-type: none"> <li>• MOD sponsored students – No fee,</li> <li>• Other categories - As per Institute norms.</li> </ul>  |   |
| <b>Academic Requirements</b>  | <ul style="list-style-type: none"> <li>• Credits : more than 69,</li> <li>• Full Marks : 2100</li> <li>• Marks through Thesis: 550</li> <li>• No of Courses: Theory – 15, Lab – 1 and Thesis : 1 in Phase I and II</li> <li>• Residency : 4 semesters</li> </ul>  |   |
| <b>Grading systems</b>  | Letter Grade<br>O (Outstanding)<br>A+ Excellent)<br>A (Very Good)<br>B+ (Good)<br>B (Above Average)<br>C (Average)<br>P (Pass)<br>F (Fail)<br>Ab (Absent)   | Grade Point<br>10<br>9<br>8<br>7<br>6<br>5<br>4<br>0<br>0 |
| <b>Note: Students must obtain minimum 50% marks in end semester examinations to pass the subject.</b> |   |   |

*Done*



# Ph D/Master of Science (by Research) Students Qualified for the Award of Degree

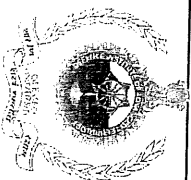
## List of Students qualified for award of Ph D Degree

| S. No | Name                 | Registration No. | Department      | Category             | Guide                                    | Remark              |
|-------|----------------------|------------------|-----------------|----------------------|--|---------------------|
| 1     | S Nagesh             | 08-52-03         | Mechanical Engg | External - Part Time | Dr. D G Thakur<br>Dr. A.M. Junaid Basha, | Viva Voce Completed |
| 2     | Bichitra Nanda Sahoo | F-12-51-11       | Materials Engg  | Full Time            | Dr. K. Balasubramanian                   | Viva Voce Completed |

## List of Students qualified for award of Master of Science (by Research)

| S. No | Name           | Registration No. | Department        | Category             | Guide                                   | Remark              |
|-------|----------------|------------------|-------------------|----------------------|---|---------------------|
| 1     | Ashish Jauhari | 11-53-01         | Applied Chemistry | External - Part Time | Dr Balasubramanian K &<br>Dr P K Khanna | Viva Voce Completed |

**CONTROLLER OF EXAMINATIONS, DIAT(DU), PUNE**



10

10

10

10