



Army Institute Of Technology (AIT), Dighi Camp, Pune - 15.

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Recognised by AICTE and DTE Maharashtra and affiliated to Savitribai Phule Pune University

Criterion 6- Governance, Leadership and Management

6.2 Strategy Development and Deployment

6.2.2 - Institution implements e-governance in its operations

**Annual E-Governance Report Approved
by the Governing Council/Board of
Management / Syndicate Policy
Document on E-Governance**

GOVERNING BODY MEETING:
MINUTES OF THE MEETING
(HELD ON SATURDAY 21 APR 2018 AT 09:30 AM)

1. Meeting of the Governing Body of AIT was held on Saturday, 21 Apr 18 at 0930 hrs in AIT Conference Room under the Chairmanship of Lt Gen Manoj Pande, AVSM, VSM. The following attended the meeting :-

(a)	Chairman, (Nominated by Trust/ Society)	Lt Gen Manoj Pande, AVSM, VSM, COS, HQ Southern Comd, Patron AIT
(b)	Vice Chairman	Maj Gen Jalaj Bhola, CSO, HQ Southern Comd, Chairman AIT
(c)	Members	(i) Brig Sandeep Kumar, Dy JAG (ii) Mr Shrikant Badve, MD Badve Group of Industry. (iii) Dr Hemant Abhyankar, Executive Dir KJ Group of Institutes and Ex-Dir VIT (iv) Dr BP Patil, Principal AIT. (v) Prof (Dr) GR Patil. (vi) Asst Prof Vaishali Ingale
(d)	Member Secretary	Brig Abhay A Bhat (Retd), Director AIT.

2. Following members were not present: -

- (a) Maj Gen HK Arora, VSM, Dy Comdt, CME.
- (b) Dr VB Gaikwad, Dean Science and Technology, SPPU. Nominee of SPPU.
- (c) Nominee of AICTE.
- (d) Nominee of State Govt.

3. Jt Dir AIT, HsoDs of all Depts and Training and Placement Officer attended as observers.

4. Director AIT Presented the annual report for all aspects of college in front of GB

Progress on Agenda Points of the Last GBM.

4. **Agenda Pt No1. Improvement in TAL in AIT.** Most of the improvements suggested in the previous GBM have been implemented. NKN connectivity of 1 GBPS, providing campus wide internet connectivity is functional. AIT has developed its own Learning Management System using Moodle. AIT students are utilizing the NPTEL and MOOC to a great extent to enhance their own learning. AIT is AA certified NPTEL center. Video Conf Facility has been installed in Manekshaw Hall. Local internships are provided by a few alumni enterprises as well as 3DPLM (Dassault Systems). AIT students are actively involved in national level competitions, hackathons etc. They have been winning many first prizes in such competitions. Many recruiters and companies such as TCS, Capgemini, Deloitte, ZS Associates, John Deere etc have organized bootcamps and campus connect programs. As most students stay in hostels, there is a great peer-to-peer learning environment. Students involved in ROBOCON, BAJA and team hackathon events not only learn from their peers but from some seniors also. Many student groups are involved in inter-disciplinary, cross-departmental projects. Students are also subjected to "flipped" mode of learning with nearly 20% delivery of theory classes mandated in this mode. Students also prepare their own video lectures which are uploaded on the MOODLE. Many students are involved in conduct of projects in Robotics, AI, Machine Learning and Gamification. AMCAT employability tests are conducted for all students. The Chairman questioned as to how AMCAT results help the students. Director informed that AMCAT systematically provides SWOT analysis of individual student as also an insight into the employability skills acquired. Most of recruiting companies are referring to AMCAT results while recruiting students. These results are also compiled for the institute, to pin point the areas of weaknesses for a branch / institute. Director displayed the latest AMCAT results for TE, which indicated that while AIT students were far superior in most of the employability skills and technologies as compared to the national average, they fell below the national average in Mech Engg, Metallurgical Engg and Production Engg.

Direction - The Chairman directed that weak areas be identified in Mech Dept and quantifiable targets be set to improve the AMCAT results.

5. **Agenda Pt No 2. Measures for Improvement of Employability Skills.** Internships for students are encouraged though University calendar does not permit long duration internships. Approx 50% students of TE normally undergo internships on approval of the Dept HoD. As regards mentoring of FE students, the Chairman questioned as to how mentoring for FE students is done. The Director intimated that mentorship is carried out at two levels. Each FE students is assigned an SE mentor, who helps him / her to settle down and focus on the expectations from the students. Such interactions are conducted in academic block / in designated places outside hostels. Final year mentors students placed with good companies from respective branches share their success stories, experiences and guide FE students about career paths to be taken. This takes place in the presence of the Faculty.

Direction - The Chairman remarked that mentorship system should be further strengthened.

As regards GATE coaching, all concerned were intimated that GATE ACADEMY branch has started functioning from AIT itself and 26 students of E&TC are attending the same. In addition, more than 40 students are attending GATE coaching at other institutes in Pune city. AIT has undertaken many initiatives to ensure maximum employability skills are imparted to the students as follows: -

- (a) MKCL KLiC centre has been established in campus for providing specific non-curricular IT skills.
- (b) Internet of Things (IoT) course offered by PMKVY has commenced in Dept of E&TC.
- (c) 3D Experience Software Suite Certification Centre sponsored by Dassault Systems is being established, in Mech Dept.
- (d) Special workshops are being conducted for soft skills, interviewing skills etc.
- (e) Value added courses for Programming skills beyond curriculum are being conducted, regularly.

6. During the discussion about the quality of placements, Chairman questioned about the average salary of our placed students and how this average salary can be compared with existing good institutions. Prof Hemant Abhyankar explained that good starting average salary should be equal to or greater than the tuition fees paid by the student over the duration of his/her graduation. As AIT students of 2017-18 are able to achieve an average salary of Rs 5.9 lakh, considering that total tuition fees for 4 years for 2017-18 batch was approx. Rs 4.2 Lakh, the placement can be considered good.

7. On the subject of higher studies the Chairman observed that very few AIT students were preferring to go for higher studies. Prof Khaladkar explained that most of the student come from a background with moderate financial means. They hence prefer to get a job immediately. However, many of them go for higher studies after getting 2-3 years of work experience. It was also suggested that students should be made aware of education loan facility to pursue higher studies.

8. **Agenda Pt No 3. Measures for Improvement of Research and Consultancy.** To incentivize R&D, a policy was prepared and issued on 12 Mar 2016. AWES had some observations and based on the same a new policy is being prepared. Due to these incentives, No. of PhDs have increased to 16 from 09 in 2015, and two more are likely to complete by Jun 2018. As regards publication of research papers, 130 papers have been published in last 3 years by students and staff. As regards various research grants from BCUD (SPPU) /UGC/ DST, the college has received over Rs. 68 lakhs in last 3 years. Additional proposals for Rs 1.22 Cr have been forwarded. AIT faculty has not yet been able to take on any major consultation project, except charging industry and research students for use of testing and measurement apparatus. However recently SKF industry has approached the college to provide solution to some glitches in their manufacturing process. As regards PG Course in Machine Design it is in its third year and is being closely monitored. Progress on some other issues discussed in last GBM is as follows:-

- (a) **CDAC Training.** Proposal of Procurement of HPC machine (PARAMSHAVAK) is being examined. Amount required is catered for in Budget 2018-19. CDAC will also undertake training and certification for courses related to this field.
- (b) **Jt Research Program with International University.** Such program cannot be started in current setup. It will be only possible when AIT gets autonomy.
- (c) **Entrepreneurship Development Cell.** An Incubation Cell has been established. Some AIT students have launched start ups. However, proposal for seed funding in collaboration with Alumni is being worked out.

9. **Agenda Point IV – Introduction of PG in Comp Engg.** It was intimated to all concerned that earlier proposal was not approved by AWES. However as the UG strength of this Dept is maximum this decision can be revisited after stabilization of PG (Mech) and Autonomy.

10. **Agenda Point V – Video Conferencing Facility.** Video Conferencing facility has been installed. Ph III is being executed in this financial year.

11. **Agenda Point VI - Construction of 1.6 km Security Boundary Wall.** Work is in progress and is in final stages of completion.

12. **Agenda Point VII – AIT Branding Measures.** AIT has undertaken many measures to enhance its visibility in Social Media. Regular news and reports in Print media is being ensured by hiring services of a professional agency. A ten minutes “AIT Movie” has been released and circulated to all Commands and AWES. This movie has been uploaded on YOU TUBE and AIT website.

13. **Agenda Point VIII – Increase in Intake of Computer Branch.** Implemented. The intake of this branch is 120 wef 2016-17.

14. **Additional Directions in Previous GBM.**

(a) **ATB Project.** The Director intimated that no new ATB projects are being taken up as the responsibility has changed hands from ARTRAC to PP Directorate. The Chairman enquired if the projects offered by Army Design Bureau have been explored. The Director mentioned that the lists have been downloaded and circulated. However, at UG level these projects have to be broken down into sub projects and offered.

(b) **IEEE Chapter.** IEEE Chapter has been established and functioning successfully. IEEE international conference is being planned for 2019.

(c) **Improved Placements in Start-ups.** The Director mentioned that many students are joining start ups. Some alumni have launched / heading startups and are recruiting AITians.

(d) **Technical Competence.** As regards improving technical competence by tying up with reputed institutes, it was intimated that, AIT has already entered into MoU with IIT Bombay. We are now a remote centre for all programs of IIT Bombay. An FDP on “Use of IT tech for teaching and learning” was conducted by IIT Bombay at this remote center and AIT received excellent response from own as well as faculty from other colleges.

(e) **Employability : Multi-Disciplinary approach.** Many multidisciplinary electives have been introduced in Mech, IT and E&TC Departments. These include Mechatronics, Robotics, IoT, Business Analytics, Soft Computing etc. More electives are being planned for next AY.

(f) **Skill Development.** As per suggestions of Dr Gaikwad, AIT has already commenced PMKVY course in IoT.

(g) **Student Exch Pgme.** NAMASTE program of SPPU is not applicable for AIT, hence not pursued.

(h) **E-Governance Software.** As per suggestions of Dr. Gaikwad , AIT has already implemented ERP Software in all Processes including administration, Teaching Learning.

College Updates

15. **Rankings.** AIT rankings in various ranking surveys in last three years is as follows:-

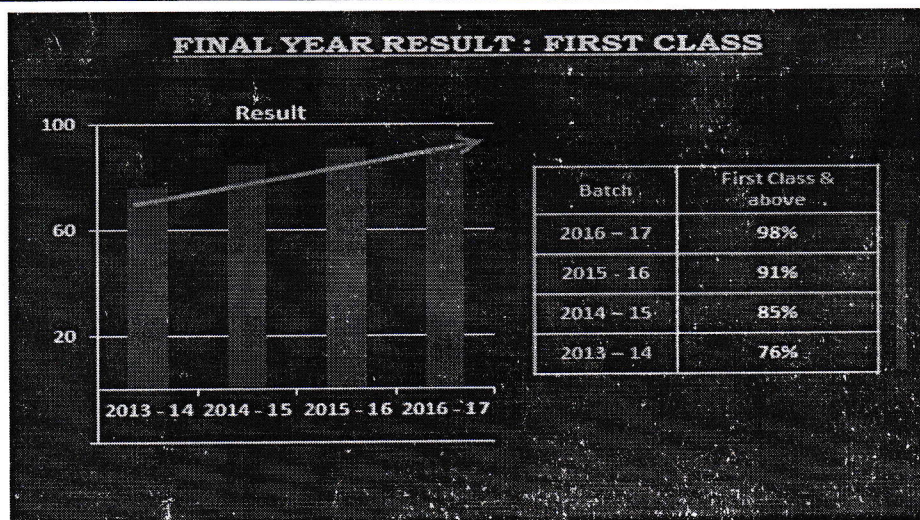
<u>Agency/ Survey</u>	<u>Overall Ranking Including IITs and NITs</u>			<u>Ranking in Private Colleges</u>			<u>Ranking in West Zone</u>		
	2018	2017	2016	2018	2017	2016	2018	2017	2016
The Week	NyD	80	79	NyD	31	32	NyD	6	6
Outlook	NyD	64	62	NyD	44	38	NyD	9	9
Dataquest	NyD	42	47	NyD	--	30	NyD	--	6
NIRF	88	77	>100	24	38	-	12	10	-

- In Pune NIRF rank 4th after COEP, DIAT and Bharati.
- Aspiring Minds (AMCAT) employability Test: In top 10 % in India for three years running.

16. **Academic Results.** Comparative academic results are given below:-

Overall Result

Batch	2014 – 15	2015-16	2016-17
First Yr	98.9% (90.1%)	99.67% (78.26%)	99.42% (89.10%)
Second Yr	99.6% (90.1%)	98.96% (82.83%)	100% (73.94%)
Third Yr	97.0% (84.3%)	96.38% (83.78%)	97.68% (86.10%)
Final Yr	94.2%	94.18%	96.70%



17. **Placements : 2017-18.** AIT is improving its placements every year. Details for 2017-18 are as follows:-

- (a) Total Placements already carried out 258/283 (91.5%).
- (b) Average CTC Rs. 5.90 Lakh PA (compared to Rs 5.40 Lakh last year).
- (c) Highest CTC Rs.39 Lakh PA, Microsoft (five students).
- (d) Number of Industries visited - 60.
- (e) Ranking in placements in Pune region – 3.

18. **Students NSS Activities.** Large No of AIT students took part in NSS and other social work activities as given below: -

- (a) **Blood Donation.** Two blood donation camps were conducted on 04 Oct 2017 and 18 Jan 2018 along with AFMC. 100 students participated.
- (b) **Rotary Youth Leadership Program (RYLA) 18 to 20 Aug 2017.** Eminent personalities conducted workshops and lectures.
- (c) **NSS Camp (Khamgaon) 05 to 11 Jan 2018.** Activities like making a small bund, repairing village roads, cleanliness drive, Shivneri Fort restoration, teaching in schools were carried out by 43 students who participated.
- (d) **Cyclothon 17 Sep 2017.** Faculty and students participated in cyclothon organised by SPPU. Students completed 12 km circuit and Faculty 22 km.
- (e) **Street Play 22 Sep 2017.** AIT Students participated in Street Play competition and stood 4th among 70 participants.
- (f) **Donation to Orphanage 28 Dec 2017.** Students and Faculty collected donation and distributed gifts to the inmates of Mai Bal Bhavan, school for blind.
- (g) **Independence / Republic Day 15 Aug 2017 & 26 Jan 2018.** Independence Day and Republic day were celebrated with peace marches and distributing sweets in orphanages.

19. **Industry Connect.** AIT has been collaborating with many industries. Some of these industries which conduct Internships/ Projects/Sponsorships/Workshops/Campus connect programs include TCS, Edelweiss Finance, 3 DPLM – Dassault Systemes, Forty Two Labs, ZS Associates, Persistent Systems, Schaeffler India, SKF, L&T, Deloitte, John Deere, Badve Engineers, HSBC India etc. AIT also has CII and MCCIA corporate membership

Agenda Points for this GBM

		<u>Action</u>	<u>Info</u>
20.	<p><u>Agenda Point 1 – Academic Autonomy for AIT.</u> Discussion took place on advances and benefits of autonomy. All members were in agreement for autonomy. Prof Hemant Abhyankar explained the essential advantages of autonomy. Autonomy provide opportunity for academic freedom to formulate own curricula, devise own students entrance criterion, deciding fees, appointing faculty within norms of UGC etc. However for this to succeed, lot of systematic efforts need to be undertaken by the management. Investment on faculty training is very important aspect and make over of faculty / staff mindset is required to be done, so that everybody is in sync. Mr Badve raised concern about increase in fee and mentioned that UG education should be affordable to the students. Dr GR Patil, who attended the meeting and presentation held in SPPU, also echoed the concerns raised by many colleges, that the fees need to be raised so that more number of elective courses can be taught to students. Prof Hemant Abhyankar informed that based on his own experience, change in fees will not be more than 10%. He intimated that special job oriented training including internships and industry sponsored courses will be paid for by the sponsoring industry themselves. The college does not have to spend any amount on this. On the other hand, there is a tremendous gain from such tie ups. It was also brought out by Dr Abhyankar, that the financial burden of UG education should shift to the students, who can take loans and repay them after getting good jobs. The Director mentioned that at least 30% of AIT students do avail education loan facility. Jt Dir reiterated that the Banks are ready to give loans of upto Rs 400000/- without any collateral, just based on certificate of college admission from college authorities. The Chairman directed that such facilities should be publicized and additional arrangements within the campus could be made to facilitate such loans. The Chairman asked the HoDs / faculty about their views regarding Autonomy. Dr Marathe, HoD (ASGE), raised a concern that as the evaluation and assessment will be done under arrangements of the college, there could be interference from higher authorities or influential persons. The Director informed that we can institute mechanisms which will ensure such interference is not feasible. Dr Abhyankar also supported the statement citing examples of mechanisms instituted in VIT. In conclusion the Chairman mentioned that AIT needs to push the proposal and get it approved from AWES. Autonomy will add value to the quality of education in AIT.</p>	Director, AIT Principal, AIT	All
21.	<p><u>Agenda Point 2 – Approval of Admissions of Civilian Candidates for ME program by BOG.</u> The Director intimated that AWES has already replied to the proposal intimating that yearly approval of Chairman BOA be taken, before giving admissions to civilian candidates. The Chairman approved the proposal as per directions of AWES.</p>	Jt Director Director, AIT Chairman, AIT	

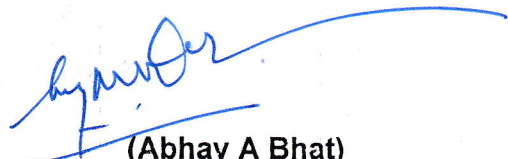
22.	<p><u>Agenda Point 3 – Restoration of Intake of E & TC Stream to 120.</u> The Director presented the proposal based on variety of facts. E&TC had intake of 120 till 2016, due to which infrastructure, labs and experienced Faculty for such strength is already available. The intake strength of E & TC was reduced to accommodate the increase in Computers and perceived slag in demand for E&TC. However, the future technologies including IoT, Robotics, Mechatronics, smart cities etc all will have great scope for E&TC engineers. Also, even in the current BE batch of 120, the placements are quite satisfactory. While agreeing to the logic for restoring the intake, the Chairman expressed his concern about the hostel capacity. The Director mentioned that proposal to increase hostel capacity is also in the pipeline. Prof Abhyankar suggested that intake of AIT must be increased, so as to get benefit of scales of economy. He also mentioned that branches like civil and electrical core engineering should also be started, which gives greater value to institution like AIT. He also mentioned that horizontal expansion should precede vertical expansion. Chairman also directed to conduct survey of accommodation outside of AIT to accommodate increased strength. In conclusion, the proposal was agreed to in principle, however the Chairman directed that detailed proposal needs to be forwarded and examined on file.</p>	Director, AIT Principal	
23.	<p><u>Agenda Point 4 – Permission for Lateral Entry Intake.</u> The Director explained the AICTE rule position on the second year lateral intake of diploma students. He clarified that AIT will only admit Army wards. A maximum of 20% supernumerary intake is permitted without additional cost and will be financially beneficial to AIT. Student quality will be ensured based on an entrance exam. Prof Abhyankar stated that all private colleges are taking advantage of the scheme and AIT too can avail this scheme. The GBM approved this in principle, however indicated that the proposal needs to be taken up on file.</p>	Director Jt Director	
24.	<p><u>Agenda Point 5 – Approval for additional Hostel Capacity.</u> Discussion took place on present status of hostel accommodation and on how AIT planned to progressively increase hostel accommodation. The Director explained that currently there is a deficiency for 135 students. In case we have to cater for horizontal expansions mentioned earlier we need to build more capacity. In first phase capacity for approx. 78 accns can be created by constructing another three storeys in H Flank, which is the latest building, and has been constructed with such provisions. This will cost less than Rs 2.7 Crores and is catered for in Capital Budget Expdr for FY 2018-19. Another hostel building too needs to be planned to be completed in 4-5 years, which can house another 240 students. Chairman instructed that the detailed proposals be forwarded on file for approval.</p>	Jt Director Project Officer	
25.	<p><u>Agenda Point 6 – Celebration of AIT Silver Jubilee.</u> Director intimated that AIT would be celebrating Silver Jubilee in the year 2019. For the final day celebrations AIT proposes to invite President and COAS. While approving the proposal, Chairman suggested that activities of Silver Jubilee must be</p>	Chairman, AIT Director TPO	

	<p>spread over entire year. He directed that inputs can be taken from staff, students and alumni. He also suggested to get in touch with SIMS to check out on Alumni interactions and methods of involving them in all such activities. He also suggested that more alumni chapters can be created at various other cities, and their get-togethers can be attended by members of faculty. Prof Abhyankar suggested that an international conference could be conducted, which should be actually international, with participants and experts from different countries. The proposal was approved and the Chairman further directed that invitation of Chief Guest like President of India needs to be taken up through proper channel.</p>		
26.	<p>Agenda Point 7 – NIRF Rankings. Director presented detailed analysis on 5 parameters of NIRF. The analysis was discussed in length. Prof Abhyankar stated that each dept should carry out its own analysis and set targets so that NIRF ranking can be further improved. Chairman questioned whether such targets is set by the AIT leadership. The Director informed that such targets are set annually. Chairman directed that Dept should be asked to prepare plan and set targets for each parameter. Targets must be reviewed every six months.</p>	Principal All HsoD	
27.	<p>Additional Directions.</p> <p>(a) Chairman directed that the Governing body should consist of additional members. These should include some <u>senior and successful Alumni</u>, reputed Industry experts and eminent persons from Education field. Such persons can contribute their ideas and experience as he had experienced during the Standing Committee meet of SIMS.</p> <p>(b) The Chairman directed that students should also be exposed more to social work and organizations working in this field. He directed that student visits be organized to Paraplegic Rehabilitation Center and Queen Mary Technical Institute.</p> <p>(c) The Chairman directed that such GBM must be held <u>every six months</u> as per existing guidelines.</p>	Chairman, AIT Director	All

28. **Vote of Thanks.** The Director thanked the Chairman and all other members for their valuable contributions and meeting which was concluded with group photograph.

Case File No: AIT/0044/BOG Mtg (GBM)/Adm

Army Institute of Technology
Dighi Hills
Pune – 411015


(Abhay A Bhat)
Brig (Retd)
Director

Date: 23 May 2018

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