



Yearly Status Report - 2017-2018

Part A

Data of the Institution

1. Name of the Institution	DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY(DEEMED TO BE UNIVERSITY U/S 3 OF THE UGC ACT 1956)
Name of the head of the Institution	Dr. Surendra Pal
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02024304001
Mobile no.	9423686068
Registered Email	vc@diat.ac.in
Alternate Email	iqac@diat.ac.in
Address	DIAT, Girinagar
City/Town	PUNE
State/UT	Maharashtra
Pincode	411025

2. Institutional Status					
University	Deemed				
Type of Institution	Co-education				
Location	Rural				
Financial Status	central				
Name of the IQAC co-ordinator/Director	Dr. H. S. Panda				
Phone no/Alternate Phone no.	02024304205				
Mobile no.	9545417608				
Registered Email	iqac@diat.ac.in				
Alternate Email	hspanda3@gmail.com				
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)	https://www.diat.ac.in/iqac				
4. Whether Academic Calendar prepared during the year	Yes				
if yes, whether it is uploaded in the institutional website: Weblink :	https://www.diat.ac.in				
5. Accrediation Details					
				Validity	
Cycle	Grade	CGPA	Year of Accrediation	Period From	Period To
1	B	2.86	2015	26-Jun-2015	25-Jun-2020
6. Date of Establishment of IQAC	04-Aug-2014				
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries		
Preparation for Participation in NIRF	01-Nov-2016 90		250		

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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

• NBA for five M. Tech., programs • NIRF ranking • Syllabus revision/upgradation and inclusion of specializations • Facilitate student to visit DRDO labs and Industry to carryout M Tech projects • Enhanced use of ICT in teaching and learning process

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achievements/Outcomes
Industry-Academic Interaction /Collaborations	Achieved
Research Facilities	Achieved
Inclusion of specializations	Achieved
Syllabus revision / upgradation	Achieved

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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Name of Statutory Body</th> <th style="width: 50%; text-align: center;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Board of Management</td> <td style="text-align: center;">07-Aug-2017</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Board of Management	07-Aug-2017
Name of Statutory Body	Meeting Date				
Board of Management	07-Aug-2017				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2017				
Date of Submission	08-Feb-2017				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Database used in Finance, Academic section, Library, and Material Management Group (MMG): Academic Section: Academic section maintains a complete database of the number of applications received to admission to the M Tech, MS by Research, Ph.D. programs. Apply to the statutory body for its approval and extension. Finance Section: Defence Institute of Advanced Technology, being Unitary University, Financial records are fully computerized. Accounts have been maintained in a universally accepted accounting system in India, i.e., Mercantile System, and it is being kept in Tally. Tally latest version is being used to manage financial data. Purchase and procurement: are processed through MMG for the entire Institute. MMG maintains Inventory items, store items, and other asset details in the database and uses Tally to handle the billing. Library and Information Centre: LIC is fully automated with LIBSYS integrated, multiuser, and webcentric library management software. The Library maintains the Bibliographic database of Books, Journals, Thesis, Dissertation, and other resources. The software facilitates the library in providing quick efficient services. The bibliographic database of library</p>				

resources available is being updated regularly with details of recently acquired Books / Journals/ other resources. The Web OPAC (Online Public Access Catalogue) of the library provides an online facility through the LAN to the users to search the bibliographic databases of entire library resources from any networked computer/laptop within the DIAT (DU) campus.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
No Data Entered/Not Applicable !!!			
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
No Data Entered/Not Applicable !!!				
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
Mtech	VLSI and Embedded Systems	03/07/2017
Mtech	Corrosion Technology	03/07/2017
Mtech	Optical Communication	03/07/2017
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Mtech	All programs available in DIAT	02/01/2017

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
Mtech	M.Tech Projects at DRDO Laboratories and various Industries	73
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>Feedback on the teaching-learning process is received from students as a Students satisfaction survey based on a structured questionnaire framed and approved by the Competent Authority of the University. The questionnaire can be downloaded (distribute) from (to) the web link, and Students can drop they are filled in the feedback form, where the feedback form collected in the Academic Section. The received feedback is then be analyzed by the Academic Section, and it will be forwarded to the respective departments, and it is also forwarded to the Head of the institution with necessary suggestions based on this feedback. Teachers provide informal as well as formal input to the Head of the institution on different academic, administrative, and other affairs related to the University. Departments receive feedback from parents through parent-teacher meetings if required and discuss various issues related to the overall development. Based on the input, necessary improvement/modification on teaching-learning evaluation and curriculum are proposed in BOS. Also, feedback from alumni and others (DRDO) is utilized to modify the curriculum based on Board of Studies (BOS) recommendations. Administration takes feedback every semester from the students before the examinations. Students Feedbacks (SF) is evaluated at the faculty meeting, and corrective actions are then made. Each student is encouraged to become alumni of the institute. The parents feedback is often asked when a student is found to be not performing up to the mark. Faculty feedbacks are usually taken during APAR and CAS promotions.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	All programs available in DIAT	374	2195	270
PhD or DPhil	All programs available in DIAT	30	265	15

MSc	Food Tech.	25	10	8
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017	0	278	0	44	0

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
6	6	12	2	2	8

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

All faculty are deeply involved in mentoring the students and preparing them for their project presentation as well as for their interview at different places with Government and private sectors. DIAT organizes sports festivals each year, where the students get maximum exposure and interaction opportunities to develop their personality. Similarly, the cultural festival is held each year, and students, along with faculty mentors, participate and showcase their talent. Department wise students are identified for preparing them to face a challenging interview process through training and placement cell. Students are involved in social services activities through student clubs. Distinguished lecture series is a prominent activity that DIAT faculty organizes where prominent speakers are invited from within the city as well as from out of the town catering to industry and academia. Respective programme coordinators mentor all M. Tech and Ph.D. programmes throughout their stay at DIAT. Approximately equal numbers of students are assigned to all faculties in each department for carrying out their projects. Faculties act as local guardians and mentors throughout students academic tenure. Students academic involvement, grievances, personal-professional issues are taken care of by a mentor. Each mentor does student counseling at regular intervals.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
278	44	1:6

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
70	44	26	0	40

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from	Designation	Name of the award, fellowship, received from
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	state level, national level, international level		Government or recognized bodies
2017	Dr. P K Khanna	Professor	Recognition of the contribution made to the quality journal and awarded the "Certificate of Outstanding Contribution" by Elsevier, Amsterdam, Netherlands', July 2017
2017	Dr. A.A.Basil Raj	Assistant Professor	DIAT Teacher of the Year -2017
2017	Dr. Sumati Sidharth	Assistant Professor	Literati award for outstanding Paper on "A TISM modelling of Critical Success Factors of Smartphone manufacturing ecosystem in India" , by the Emerald Publisher. 2017.
2017	Dr. S K Panigrahi,	Professor	National: Indian Society of Mechanical Engineers (ISME), ISME International: Innovative Technological Research, JETR-JETMS Kuala Lumpur, Malaysia
2017	Dr. Sangeeta Kale	Professor	Court Member on Banaras Hindu University (BHU) Board from 2017-2020. The nomination is done by Hon. President of India, as his nominee.
2017	Dr. Balasubramanian K	Professor	7th National Award for Innovation in Innovation in Polymer Processing Machinery and Equipment
2017	Dr. Balasubramanian K	Professor	25th Business school affair and Devang Mehta National Education

award

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
Mtech	M. Tech (2016-2018 batch)	IIIrd Sem Autumn 2017	05/12/2017	08/02/2018
Mtech	M. Tech (2017-2019 batch)	Ist Sem Autumn 2017	05/12/2017	08/02/2018
PhD or DPhil	Ph.D	Autumn 2017	05/12/2017	08/02/2018
Mtech	M. Tech (2016-2018 batch)	IVth Sem Spring 2018	09/05/2018	20/07/2018
Mtech	M. Tech (2017-2019 batch)	IIInd Sem Spring 2018	30/05/2018	20/07/2018
PhD or DPhil	PhD	Spring 2018	30/05/2018	20/07/2018

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	524	0

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://www.diat.ac.in>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://www.diat.ac.in>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION**3.1 – Promotion of Research and Facilities**

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr. S K Panigrahi	Innovative Technological Research	12/11/2017	JETR-JETMS Kuala Lumpur, Malaysia
International	Dr. S K Panigrahi	Indian Society of Mechanical Engineers (ISME)	11/09/2017	ISME
National	Dr. Balasubramanian K	7th National Award for Innovation in Innovation in Polymer Processing Machinery and Equipment	15/08/2017	CIPET-DCPC: Dept of Chemicals and Fertilizers, GoI, India
National	Dr. Balasubramanian K	25th Business school affair and Devang Mehta National Education award	25/11/2017	Indira Group of Institute
National	Dr. Balasubramanian K	Selected as one of the Top performers in Four Week online FDP titled“FDP301x : Mentoring Educators in Educational Technology”	12/02/2018	PMMMNMTT, MHRD, GoI, IIT Bombay
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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
JRF	795	SERB
JRF	1095	CSIR
SRF	556	DIAT
JRF	1095	SERB
JRF	421	CARS
JRF	185	DRDO-DIAT Nano Project
JRF	179	DRDO-DIAT Nano Project
JRF	120	DRDO-DIAT Nano Project

JRF	114	DRDO-DIAT Nano Project
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				
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3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Powering Change: Women in Innovation and Creativity.	IP cell	26/04/2018
Identifying, protecting, and Managing intellectual Properties (Attended by Prof Khanna)	Department of Science and Technology	05/12/2018
IPR Workshop organized by Armament Research and Development Engineering (ARDE) Attended by Dr. Arun Mishra, Asst. Professor, Dr.Priyesh More, DST Inspire Faculty	Armament Research and Development Engineering (ARDE)	04/08/2017
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Dewang Mehta's Education Leadership Award"	DIAT	Dewang Mehta National Education Awards	26/11/2017	Defence Technology
7th National Award for Technology Innovation (Individual Award)	Dr. Balasubramanian, K Professor Dean	Min of Chemicals Fertilizers, GoI, India	19/11/2017	Innovation in Polymeric Material
IETE Ram Lal Wadhwa Award	Dr. K P Ray, Professor Dean	Institute Electronics Tele Engineers, India	18/02/2018	At National level outstanding field of microstrip/planar antennas, Microwaves, Radar and Industrial Systems.

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	2
Applied Chemistry	7
Applied Physics	4
Materials Engineering	4

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics Engineering	13	2
National	Technology Management	8	0
National	Aerospace Engineering	0	0
International	Aerospace Engineering	4	0.93
International	Applied Mathematics	7	1
International	Applied Physics	24	1.8
International	Applied Chemistry	29	2
International	Mechanical Engineering	24	1
International	Metallurgical and Materials Engg	44	3

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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Computer Science and Engineering	3
Metallurgical and Materials Engineering	1
Mechanical Engineering	5
Applied Physics	3
Aerospace Engineering	7
Technology Management	6
Electronics Engineering	22

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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
A process for synthesis of copper chromite nanoparticles by soft chemical route, Dr. S. Banerjee and Dr. H. Singh	Filed	0	12/02/2018
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
No Data Entered/Not Applicable !!!			
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Dr. Ajay Mishra Aerospace Engineering	Missile Technology Course-I	Bharat Dynamics Limited	2911136	25
Dr. Ajay Mishra	Missile	Bharat Dynamics	2911136	25

Aerospace Engineering	Technology Course-II	Limited		
Dr. P.K.Khanna, Applied Chemistry	Customized Course for Indian Ordnance Factory Officers	National Academy of Defence Production, Nagpur	2066794	30
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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Plantation of Saplings Programme	DIAT (DU) NSS Centre	5	130
NSS Special Camp at Gohre Budruk Village, Haveli Taluka, Pune District from 19th to 23rd March 2018.	DIAT (DU) NSS Centre	5	100
NSS health check-up camp on 22nd March 2018.	DIAT (DU) NSS Centre	5	142
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!				
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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Computational analysis of two-dimensional blood flows through asymmetric catheterized	Dr. D Srikanth, DIAT(DU) Prof. D Srinivas Acharya, NITW	CSIR	1095

stenotic tapered artery.			
Analysis and Design of 3D Printed Automobile Leaf Spring	Dr. Balasubramanian, K and Dr. Sunil Nimje, DIAT (DU)	DIAT	730
Development of SO _x /NO _x -derivatives gas sensors using nanomaterial-functionalized ring resonators.	PI: Dr. Sangeeta Kale And Dr. Shaibal Banerjee DIAT (DU),	DAE-BRNS	1095
Theoretical and Experimental investigations of induced magnetism in Nanoribbons (GNRs) upon conjugation	Dr. Suwarna Datar, DIAT (DU), and Kavita Joshi, NCL,	DST Nano mission	1095
Augmented Reality based Maintenance Trainer for Tejas Fighter Jet	Dr. CRS Kumar and Dr Krishna Naik DIAT, Pune	ERIPR DRDO	730
Design of Wideband HF Antennas	Dr. K P Ray and Dr. A Bazil Raj	LRDE	540
Photonics Radar	Dr. K P Ray and Dr. A Bazil Raj	SERB	1095
FMCW Radar	Dr. A Bazil Raj	DIAT	730
Research/ Thesis Work	100 M.Tech Students / 04 Faculties of EE Dept.	NIELIET, Calicut	1825

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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Student Project Work	Project work	ASL, Hyderabad BEL, Bengaluru LT, Pune Zeus Numerics, Pune ADE, Bengaluru	01/07/2017	30/04/2018	120

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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
SUCOSO Service Pvt. Ltd. (Pune)	18/04/2017	<ul style="list-style-type: none"> • Techno-managerial manpower and training needs • Project consultancy and Incubation 	6
National Institute of Electronics and Information Technology (NIELIT), (Kerala)	21/04/2017	<ul style="list-style-type: none"> • Jointly offer M.Tech Programme in Electronics Engineering • Exchange of academic information, scholarly information, material facilities and also joint publications • Exchange trainees / students, faculty. 	10
Defence Research and Development Laboratory (DRDL), Hyderabad	11/05/2017	<ul style="list-style-type: none"> • Joint Certificate self study courses for DRDL Scientists. • To undertake joint research in relevant areas of technology. • To undertake research on problems of bilateral interest at DIAT possibly by offering some of them as Ms/PhD problems to DRDL 	7
Cranfield University, (UK)	15/05/2017	<ul style="list-style-type: none"> • Combat Vehicle Engineering, System Engineering 	2
Integrated Test Range, Odisha	08/02/2018	<ul style="list-style-type: none"> • Academic and Research collaboration in the areas of mutual interest • Exchange of academic information, scholarly information, materials, publications Research Projects. • Sponsorship of 	3

		cooperative seminars, workshops and other academic meeting	
Dassault Aviation, France	10/03/2018	<ul style="list-style-type: none"> Academic and Research collaboration in the areas of mutual interest Joint events and activities. 	4
Indian Navy (INS Hamla), Mumbai	18/06/2018	<ul style="list-style-type: none"> Exchange of students/employees for training/ higher education. Joint RD in applied futuristic areas of Science and Technology. Joint RD in the field of catalysis for development of products/process. 	3
Indian Institute of Information Technology (IIIT), Pune	21/12/2018	<ul style="list-style-type: none"> Academic and Research collaboration in the areas of mutual interest Exchange of academic information, scholarly information, materials, publications Research Projects. Sponsorship of cooperative seminars, workshops and other academic meeting 	4
No file uploaded.			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
90000000	86100000

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing

Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
LibSys	Fully	7	2010

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	14428	7628183	326	467184	14754	8095367
Reference Books	43282	8791167	230	1245380	43512	10036547
e-Books	339	2513889	0	0	339	2513889
Journals	0	0	103	305381	103	305381
e-Journals	0	0	2051	5441153	2051	5441153
Digital Database	0	0	8	4674865	8	4674865
CD & Video	1630	0	107	0	1737	0
Library Automation	1	494675	1	2499801	2	2994476
Weeding (hard & soft)	4805	0	0	0	4805	0
Others (specify)	1920	0	107	0	2027	0
No file uploaded.						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
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Existing	27	1	2	1	1	1	0	100	8
Added	0	0	0	0	0	0	0	0	0
Total	27	1	2	1	1	1	0	100	8

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Net protector MITHI Subscription of Wildcard SSL Certificate Cyberoam UTM. Balasai ERNET, Domain Registration MATLAB LIBSYS Windows Server 2008 CLRSTREAM Security service	https://www.diat.ac.in

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
480	357	820	1065

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

<p>• All proposals for the construction of new academic buildings, library, classroom, and electrical appliances are submitted to DRDO headquarter with SOC and proper justification and supporting documents. DRDO HQ constitutes the Board of Officers (BOO) is formed, and on the recommendation of the BOO, the competent authority may consider the proposal for sanction. The sanctioned works are either executed either by CCE (W), Pune or MES, Girinagar, Pune. • Maintenance and repairing of academic buildings, library, classrooms, electrical appliances, and other physical infrastructure of DIAT are done by the Military Engineering Service (MES), Girinagar Pune. The Estate Works Officer on behalf of Vice-Chancellor intimates the construction, maintenance, and repairing related requirements, as and when required, to the MES. • The DIAT receives grants-in-aid from the Department of Defence R D, Ministry of Defence, Government of India for procurement of different items which include salary, types of equipment, chemicals and glassware, sports items, books journals, equipment, and contingency. • While purchasing equipment from any fund, it is generally ensured that the installation charges and maintenance charges (within the warranty period) are provided by the company, which delivers the equipment. Such a clause is inserted in the work order of the material.</p> <p style="text-align: center;">https://www.diat.ac.in</p>
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CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

Name/Title of the scheme	Number of students	Amount in Rupees
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No Data Entered/Not Applicable !!!

[View File](#)

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Yoga and Meditation classes	01/01/2017	320	DIAT, GoI, India
Matlab Courses	01/01/2017	320	DIAT, GoI, India
No file uploaded.			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
No Data Entered/Not Applicable !!!					
View File					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Bharat Forge Ltd. Tech Mahindra Constelli, Hyderabad Accord, Bengaluru JivaScience, TVS Vector Institute Pvt Ltd Intel NXP Semiconductors Millennium Semiconductors	129	23	Bharat Electronics Ltd. Mathworks Bosch Tango IT	8	4
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
No Data Entered/Not Applicable !!!	
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
University is active in sport and related activities both indoor and outdoor. Like football, badminton, volleyball, basketball, chess, carom, etc. The University is active in various levels of intra and inter-university cultural activities.	Both hostel and Day scholars	320
No file uploaded.		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
No file uploaded.						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The function of the Students Council: Students council provides an opportunity for students to develop their leadership skills through active participation in college administration and student collaboration. The student council is expected to perform the following functions: • Organizing cultural activities and sports activities for students. • Communicating problems faced by students to HODs and management of the university. • Maintaining discipline in the university campus. • Maintaining a university campus clean and green. • Participation in extension activities like voting awareness programme, Swachh Bharat Abhiyan, Tree plantation, Yoga day, Blood donation camp, etc. • They give their suggestions for the purchase of books, magazines for the library. The following committees have student representatives: • Students Council • Anti-Ragging Committee • Sports Committee • NSS Committee • Alumni Association • Anti-Sexual Harassment Cell • Annual Magazine Committee Students in

Administration: • Our primary focus is advising students about organizational matters regarding their studies, representation of student interests in commissions and conferences, and events. • As we are participants of many commissions, we represent student interest, for instance, whenever a new curriculum is created. Additionally, we serve the student body at the Study Conference and the Faculty Conference. When there is a call for a new professorship, we members of the student representatives are dispatched to participate in the appointments committee. • Apart from that, we are continually planning events such as the welcome-week for first-year students, panel discussions, seminars, parties, etc. • We additionally provide learning materials. If you have any content (transcripts, etc.) to share with your colleagues, we can accept it during our office hours. Students are engaged in Many Ways: • As course representatives and representatives on department, division and University committees, or by interacting with their student representatives • By providing individual and collective feedback on their learning and more comprehensive student experience through surveys and other means (including consultation exercises) • Through engagement in crucial quality assurance and enhancement processes, including reviews and course approval. The institute ensures that: • Every student at every level of every course will have access to representation, and as a result, will be able to influence their learning and broader experience through their representatives • Student representatives and staff working with them are aware of their responsibilities • Student representatives are supported and trained in their roles • Staff-student committees are forums for two way dialogue and consultation • Student representatives on all committees are empowered to raise issues and make meaningful contributions to discussions every student has a chance to provide feedback individually and anonymously on their learning and broader experience at relevant points in their course of study Feedback is analyzed and any issues raised are addressed through department, division and University processes in a timely and effective way, always ensuring that the outcomes are fed back to the student body • Students are empowered to engage meaningfully with essential quality assurance and enhancement processes.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Defence Institute of Advanced Technology (DU) Alumni Association (DIATAA) has been registered by the Assistant Registrar of Societies, Pune, Maharashtra under Societies Registration Act 1860 and Bombay Public Trust Act, 1950 of Maharashtra. On 5th December 2014. The DIATAA registration number is 2022/2014. The objective of the DIATAA is to provide a forum for the Alumni of the Institute. To engages in such academic and social activities to promote liaison between the Alumni and the Institute. To further the cause of Science and technology and keep alive love, spirit, affection, and gratitude for our alma mater. The Total registered Alumni as on 31st March 2018 is 593 and the contribution is Rs.5,82,500.

5.4.2 – No. of registered Alumni:

233

5.4.3 – Alumni contribution during the year (in Rupees) :

233000

5.4.4 – Meetings/activities organized by Alumni Association :

1

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Decentralization: The institution has a mechanism of providing operational autonomy to various functionaries to ensure a decentralized governance system • Faculty members are given representation in various committees/cells nominated by the Vice-Chancellor, in the Governing body, in the IQAC and other committees. • Various institute level committees have been entrusted with looking after subject-specific works/matters and making suitable recommendations for consideration by the competent authority. • Various statutory committees have been constituted • Dean Academics is approving authority for utilization of contingency grant and passing of the TDs of faculties • Dean (Sponsored Research) is accepting body in the matter of project sanction and usage of the funds • Dean (Students Affairs) is approving authority in the case of student-related issues. • HoDs are empowered to sanction Rs. 25,000/- cash purchase of the items • HoDs are allowed to approve the leave of their staff working under them in-service departments subordinate officers have been authorized to dispose of many routine cases • Non-teaching staff is represented in various committees and the IQAC. Suggestions for non-teaching staff are considered while framing policies or making important decisions.

Participative Management: The institution promotes the culture of participative in management decisions viz., strategic level, functional level, and operational level. **Strategic Level:** The Institute authorities (viz BOM, AC, FC P MB), and the Vice-Chancellor is involved in defining policies procedures, framing guidelines and rules regulations about admission, examination, discipline, grievance, support services, finance, etc. Suggestions are invited for various agenda items to be considered by the authorities of the institute. **Functional Level:** Faculty members share knowledge among themselves, students, and staff members while working for a committee. The Vice-Chancellor interacts with DRDO, Service Hqs and other government and external agencies. **Operational Level:** The Vice-Chancellor has constituted a core committee of all Deans, Registrar, and FO to consider all critical issues of the institute Faculty members involved in joint Research and have published papers. Students and office staff join hands with the Vice-Chancellor and faculty to execute different academic, administrative, extension related, co-and extracurricular activities. Higher responsibilities to Assistant Professor - Assistant Professor have been works in-charges of various committees of university level and in charge responsible for MoUs with various outside agencies. The Assistant Professor as HoDs - to encourage Asst Professor involvements in higher management and decision making, a few Asst Professors have been made HoDs.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	• Equipment Induction Programme: was implemented this year onwards, DIAT went through up-gradation of laboratories. The plan was in a phased manner with the latest State - of - the Art equipment on-par with IIT, IISc International Universities. DIAT

upgraded its propulsion complex with laboratories to test air, solid liquid propulsions

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Finance and Accounts	<ul style="list-style-type: none"> Defence Institute of Advanced Technology being single Unit University, Financial records are fully computerized. Accounts have been maintained in a universally accepted accounting system in India, i.e., Mercantile System, and it is being kept in Tally.ERP 9 Accounting Software. Tally ERPs latest version is being used to maintain financial data. The finance section has adopted the e-payment system for all types payments of the institutes. E-payment system is based on the three-tier authorization basis to bring accuracy. To bring transparency, minimal cash transactions are carried out only in case of an emergency. Application fees and Semester fees are being collected online using the platform provided by the State Bank of India. The hassle-free fee collection system is in place.
Planning and Development	<ul style="list-style-type: none"> Academics: The website of DIAT was made more student, faculty, and visitor-friendly to implement the e-governance. These include the Grievance handling mechanism, materials management group interaction with vendors, faculty academic profile projection, admission forms, and other official communications, including admissions, applications, advertisements, resulting in declarations, and so on.
Administration	<ul style="list-style-type: none"> Library, ICT and Physical Infrastructure / Instrumentation: The Library is committed to providing the best possible Library and information services to fulfill the information needs of its academic community faculty members, scientists, research scholars, students, and staff members. The Library has created an excellent infrastructural facility with all the latest tools and technologies. Implemented RFID technology integrated with LIBSYS- library management system software that facilitates the Library in providing quick efficient services. Adequate funds for proper collection development (print as well as electronics) - purchase of books,

subscription of journals, and other learning resources. Provision of accessing all electronic resources - full-text electronic journals, online databases, electronic books, and other electronic scholarly resources are from any networked computer/laptop within the Institute campus. The Library has a good number of computers with high-speed internet facility and also provides authenticated and secured Wi-Fi facility to its user community for accessing electronic resources. Conduct regularly outreach activities, including information literacy program, Authors workshops, Training program, book exhibition, etc. To fulfill the information needs of the user community, the Library is extending Resource sharing / Inter-library loan facility with all DRDO TICs, and also with academic and research organization viz local UoP, NCL, IISER, IITs, etc.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
No Data Entered/Not Applicable !!!						
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Refresher course on 'Experimental	1	19/06/2017	07/07/2017	18

Physics' at Pantnagar, Indian Academy of Sciences, Bengalure, Indian National Science Academy, New Delhi The National Academy of Sciences India, Allahabad.				
Short term course on 'Microfluidics based healthcare diagnostics interfacial phenomena' at IIT Madras	1	05/11/2017	12/11/2017	7
Refresher Course on 'Experimental Physics-92', at Goa	1	06/11/2017	22/11/2017	16
Refresher Course in Chemistry at Modern College of Arts, Commerce Science, Pune	1	27/11/2017	11/12/2017	15
Attend refresher course on 'Foundations of Physical Chemistry and its Applications' at Vashi, Navi Mumbai	1	15/12/2017	30/12/2017	15
GAIN programme on 'Computational Methods and parallel processing in Science and Technology' at NIT Warangal	1	20/12/2017	30/12/2017	10
Refresher Course on 'Materials	1	30/08/2017	18/09/2017	18

Preparation on Measurement of Properties' at IISc Bengaluru				
Refresher Course in Winter School 2017 at Ranchi University Ranchi	1	30/11/2017	23/12/2017	23
Orientation Programme at Savitribai Phule Pune University, Pune	1	01/09/2017	28/09/2017	28
Refresher Course in Chemistry at Modern College of Arts, Commerce Science, Pune	1	27/11/2017	11/12/2017	14
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
44	44	109	109

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>A. Government of India Welfare Schemes Implemented by DIAT (DU)</p> <ul style="list-style-type: none"> • Increment in Completion of Ph.D. • On Duty for attending Seminar / Conferences/ Workshops • Financial assistance for participation and presentation in the national/international Seminars, Conferences, and Workshop. • Financial support for participation and presence in international seminars, conferences, etc., once in three years. • Medical reimbursement facility • Health Center facility • Canteen • CSD facility • Government vehicle for private purpose on the 	<p>A. Government of India Welfare Schemes Implemented by DIAT (DU)</p> <ul style="list-style-type: none"> • An incentive for acquiring higher qualification • Modular work station for clerical staff • Medical reimbursement facility • Health Center facility • Canteen • CSD facility • Government vehicle for private purpose on a standard rate • Allotment of Government residences <p>B. Welfare Schemes Implemented by DIAT (DU)</p> <ul style="list-style-type: none"> • Provision of drinking water purifier • Celebration of Indian festival • Organizing cultural programmes • Establishment of 	<ul style="list-style-type: none"> • Health Center facility • Orientation programme • Sports activity • Social activity • Cultural activity • Industrial visit • National laboratory visit • Community Centre, Bank, Post Office, Grocery shop, Vegetable shops, Stationary shops, Refreshment Center etc., on the campus.

standard rate • Allotment of Government residences
 B. Welfare Schemes Implemented by DIAT (DU)
 • Provision of drinking water purifier • Celebration of Indian festival • Organizing cultural programmes • Establishment of employees cooperative society • Community Centre, Bank, Post Office, Grocery shop, Vegetable shops, Stationery shops, Refreshment Center, etc., in the campus.

employees cooperative society • Community Centre, Bank, Post Office, Grocery shop, Vegetable shops, Stationery shops, Refreshment Center etc., on the campus.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

• The institution conducts Internal and Statutory audits regularly through a firm of Chartered Accountants appointed by the Institute. A firm of Chartered Accountant is selected from the panel approved by Comptroller and Auditor General of India (CAG). Internal Audit is conducted every quarter, whereas statutory Audit is undertaken after the end of the financial year. • In addition to this, the Institute being wholly funded by DRDO, Ministry of Defence. Hence, the CAG audit is also conducted for the financial year. • Audited financial statements and the Audit report is approved by the Finance Committee, Board of Management, Governing Council and General Body. These reports are also placed before the house of Parliament for its final adoption.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
No file uploaded.		

6.4.3 – Total corpus fund generated

39757490

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic				
Administrative				

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

Not Applicable

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

- Increase in the seats of all programmes for admission
- Student results analyzed for improving further
- Addition of value-added courses and interdisciplinary courses

6.5.4 – Development programmes for support staff (at least three)

- Staffs orientation in a different department
- Training on letter writing/drafting etc
- Administrative training
- Women Empowerment
- Deputation for higher study for teaching and non teaching staff

6.5.5 – Post Accreditation initiative(s) (mention at least three)

- NBA accreditation of 5 M Tech Programs
- NIRF Ranking
- Revision of Syllabus based on the outcome of feedback from stack holders.
- Regular meetings with academic and administrative staff members were conducted to prepare an action plan for the Institute.
- To support the defence needs as industry requirements Inclusion of various specializations were implemented
- Implementation of ERP system (Ekalvya) - Modules for Academic, Examination Section, Administration, Material Management (Store Purchase), Finance section. .
- Academic and Administrative Audit of the Institute.
- Biometric of attendance of all the subjects.
- Lecture recording system.
- Enhancement of Wi-Fi connectivity of all classrooms.
- Up-gradation of Research infrastructure and Laboratory renovations
- Construction of additional rooms in Hostel block
- Construction of New Girls Hostel.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	Yes

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2017	IQAC chairman arranged a workshop for improving the teaching and communication skills of faculty and students	01/02/2017	01/02/2017	01/02/2017	140
2018	IQAC chairman arranged a workshop for improving the procurement efficiency of faculty members as per PM 2016	01/01/2018	01/01/2018	01/01/2018	41

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Prayag DIAT Cultural Fest	28/12/2018	31/12/2018	70	100

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

The Institute has an Environment Committee who looks after the regular affairs of sustainability and ecological consciousness within the campus and its premises. In this regard, the following practices were adopted by the Institute.

- Environment Initiative: A lush green campus surrounds the DIAT. New saplings/plants are grown on the entire campus to reduce carbon footprints. The Institute conducts a green audit through an environment committee. The guest faculty delivers lectures on the environment. The departments were given the responsibilities to maintain their respective gardens with the support of staffs and students.
- Swachh Bharat Mission: To spread the message of Sanitization within and outside the campus, DIAT regularly follows the Prime Minister of India launched Swachh Bharat Mission. Under the mission, every year, DIAT adopts few villages and ensures that the open defecation free (ODF) behaviors are sustained and give lessons on solid and liquid waste management. Some departments visited various villages/Schools in Pune districts to orient the community for maintaining a clean community and society.
- Energy Conservation: For conserving the energy, we use various electrical and electronic devices to auto cut the power when not in use. The old power-consuming tube lights were replaced by the LED lights in the entire Institute. Local Panchayat were involved in orienting the community on energy conservation. Students were encouraged to cycle in the campus.
- Use of Renewable Energy: Biogas plant was constructed in the technical area, and it is in use at Cafeteria. The plant reduces the burden of LPG gas. Several more such biogas plants are under installation. Solar power is used on the campus and is being planned to be utilized for cooking purposes. Several faculties are pursuing research in the field of Solar Cells. The Biogas plant of the Cafeteria was fed with raw materials from Hostel food wastes.
- Water Harvesting: We use a spray system for watering the plants and harvest rainwater for gardening. We conserve a lot of water by use of fertilizer for plantation. Seasonal plants were grown in and around the campus.
- Plastic-free Campus: The DIAT campus has been made free from the plastic, and the single-use of polythene bags are banned. Glass water bottles are used instead of plastic water bottles inside the Institute. The Institute laid road of 1Km from the MI room to Sarba dharm Stal with waste rubbers generated from the vehicle maintenance section of the institute.
- Carbon Neutrality: The staff and students are encouraged to use bicycles within the campus. Students are directed to park their vehicles outside the University in a covered car parking place to keep the environment pollution-free. The bus services have been started to discourage students from using individual vehicles, thus, avoiding pollution. Cycling in the campus was encouraged.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries

Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	No	0
Rest Rooms	Yes	1
Scribes for examination	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2017	1	1	19/03/2018	4	Maintenance of Cleanliness and Hygiene	Trained the rural people	80
2017	2	1	22/03/2018	1	Health Awareness	Self-awareness for breathing and eating	70
2018	1	1	25/10/2018	1	Swacha Bharat Seva Abhiyan	Trained the School Children public.	48
No file uploaded.							

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
The Central Civil Services (Conduct) Rules	01/01/2017	The Central Civil Services (Conduct) Rules, 1964 as amended from time to time is applicable mutatis mutandis to both teaching and Non-Teaching Officers staff of the Institute.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
53rd Birth Anniversary of Swami Vivekananda's Birth Anniversary	12/01/2017	12/01/2017	60
125th birth	13/04/2017	13/04/2017	90

anniversary celebration of Bharat Ratna Dr. Babasaheb Ambedkar			
Awariness Program on Women Harassment at Workplace by Mrs. Rama Sarode, Advocate and Sociologist, SAHYOG, NGO, Pune	13/04/2017	13/04/2017	55
Gandhi Jayanti celebration with Swachh Bharat Abhiyan to promote the values and ethics of Mahatma Gandhi	02/10/2017	02/10/2017	71
National Integrity day	19/11/2017	19/11/2017	55
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Swachh Bharat Abhiyan, Tree Plantation by Drivers, Single-use of Plastic Ban, Use of Paper Bags, Use of LED street lights, Wet and Dry Garbage segregation • Tree plantation programmes are organized • The campus has been declared "plastic-free" zone • Tobacco smoking, chewing of pan-masalas and gutka is prohibited in the Institute campus. Health hazards caused by tobacco smoking are repeatedly highlighted through different events.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

- Promotion of teaching, learning, evaluation and research activities through computer-aided methods • Encouraging publications with reputed publishers like IEEE, ASM, ASME, RSC, ACS, Wiley etc • Open Book exam - DIAT encourages the conduct of open book exam to the review that the students do not follow the ROTE supplies of studies but understand the concept of every topic and to able to apply them . • Conduct of DIAT Distinguished Lecture Series - DIAT invites distinguished from varied fields to deliver a talk and interact with the faculty and students every month • Timely Convocation: DIAT has its convocation timely every year. This has a magnificent effort on the morale of the students.
- Cultural Fest: DIAT ensures the students overall development by encouraging them to hold a cultural and sports fest every year and showcase their talent. • Proper investigations and disposal of the grievance • Timely promotions of teaching and non-teaching staff • Timely Publication of Annual Reports: The Annual Report of every academic year is ready by Jul-Aug of the following year. This goes a long way in establishing the culture of transparency in this institution.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.diat.ac.in>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and

thrust in not more than 500 words

DIAT aspires to be a center of Excellence of international repute for Education, Training, and research in Advanced Technologies to strengthen national security and self-reliance. Defence Institute of Advanced Technology (DU) is committed to creating a center of Excellence for Education, Training, and research in contemporary and futuristic Technologies by way of continual improvement and consistent Innovation in material as well as Intellectual Infrastructure towards customers delight. Quality Objectives: • To cultivate core Competencies in Basic Applied Research in contemporary Futuristic Technologies. • To attract and nurture Intellectual capital. • To maintain an Eco-Friendly and appropriate Academic Ambience. • To promote the professional development of personnel for productive performance. • To strengthen collaboration with the Armed Forces, Academia, RD Institutions, and Industry. • To generate adequate financial resources for sustainable Growth and Development

Provide the weblink of the institution

<https://www.diat.ac.in>

8.Future Plans of Actions for Next Academic Year

- Revisiting of existing course curriculum as applicable to Defence Technology
- Efforts for the generation of revenue through sponsored research projects to achieve self-sustainability.
- Introducing the Undergraduate programme i.e., B.Tech in Defence Technology
- Organizing the faculty quality enhancement programme.
- Efforts for the accreditations by various national and international agencies
- Improvement of training and placement of students.
- Scientific documentation of the academic records and
- Digitization of information sources and service