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ARMY INSTITUTE OF TECHNOLOGY
25 YEARS OF EXCELLENCE
ONWARD TO GLORY

Army Institute of Technology
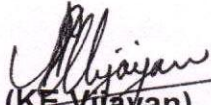Alandi Road, Dighi Hills
Pune – 411 015

AIT/0044/CDC/Adm

2 3 May 2019

HQ Southern Command (AWES)
Pune – 411 001

FWD OF MINUTES OF COLLEGE DEVELOPMENT COMMITTEE MEETING

1.   College Development Committee Meeting was held at this Institute on 15 Apr 2019.

2.   A copy of the minutes of the above meeting is forwarded herewith for your information please.

(KE Vijayan)
Col (Retd)
Jt Director
for Director

Encls : As above

Copy to :-

Army Welfare Education Society (AWES)
Adjutant General's Branch
IHQ of MoD (Army)
Building No 202, Shankar Vihar
Delhi Cantt – 110 010   -   for information please.

HQ Southern Comd (Sigs)

NOO

Director

Principal

All HsOD

All Members

CDC
file

MINUTES OF COLLEGE DEVELOPMENT COMMITTEE MEETING
Monday, 15Apr 2019 (03:00 pm)

1.   College Development Committee Meeting was held on Monday, 15 Apr 2019 at 03.00 pm in the Conference Room of AIT. Following Members were present for the meeting:-

(a)	Maj Gen Pritam Bishnoi, VSM	-	Chairman, AIT
(b)	Brig Abhay A Bhat (Retd)	-	Director, AIT, Pune, Secretary of the Management
(c)	Col KE Vijayan (Retd)	-	Jt Director, AIT, Pune Head of Department (Administration)
(d)	Asst Prof PR Sonawane	-	Representative of Teaching staff AIT
(e)	Asst Prof (Ms) Mrudula Chandola	-	Representative of Teaching staff AIT
(f)	Asst Prof AK Singh	-	Representative of Teaching staff AIT
(g)	Mr BD Sonawane	-	Representative of Non-Teaching staff AIT
(h)	Prof (Dr) Sujata Marathe	-	Co-ordinator IQAC
(j)	Squadron Ldr B R Gulati	-	Member Nominated by Management
(k)	Dr Nitant Mate	-	Member Nominated by Management
(l)	Prof (Dr) BP Patil	-	Secretary CDC, Principal, AIT
(m)	Mr Manish	-	President Student's council
(n)	Mr Ambuj Tripathi	-	Secretary Student's council

Observers

(a)	Prof (Dr) GR Patil	-	HOD E&TC
(b)	Prof (Dr) Sangeeta Jadhav	-	HOD IT
(c)	Prof (Dr) SM Sangiri	-	HOD Mech
(d)	Prof (Dr) Sunil Dhore	-	HOD Computer
(e)	Prof (Dr) Swati Kulkarni	-	HOD ASGE
(f)	Prof Manoj Khaladkar	-	TPO
(g)	Col Amit Sinha	-	SO to Chairman

2.   Following members were absent

(a)   Mr. Alok Mukharjee, Member Nominated by Management

(b)   Mr. Vijendra Yadav, Member Nominated by Management

3.   Principal, Dr BP Patil, welcomed all the members present for the meeting.

Approval of Minutes of the last CDC meeting

4.   Principal read out the minutes of the last CDC meeting held on 10 Dec 2018. Actions taken/ progress on the points were discussed. Details are at **Appx A**. Col KE Vijayan (Retd) proposed the minutes for approval and Brig. Abhay A Bhat (Retd) seconded those and the minutes were approved/ passed.

5.   Prof. AK Singh raised an issue about certain points which were beyond agenda of the previous meeting and were raised by him in a separate letter with the Chairman. He requested to have discussion on same. He also mentioned that he did not receive appropriate reply to these points. The Chairman intimated that the points raised were deliberated at his end and suitable reply is given to him in writing as well as during his interaction with the Chairman. There was hence no need to discuss them again in CDC.

6.   Prof A K Singh took objection on Jt. Dir being member of CDC. Prof AK Singh suggested that an HoD implied a HoD of an Academic Dept. Director pointed out that he is heading administration department and he is treated as one of the Head of dept. He is on the CDC as the HoD nominated by Head of Institution as per Maharashtra State University Act 2016. As AIT is a residential college his role in college activities is even more important than any of the Academic Dept HoD. Jt Director also

officiates in the absence of Director and hence he is an important part of decision making. Chairman directed that the Jt Dir will continue to be part of CDC. Based on a suggestion by Prof Sonawane, it was however decided that matter will be verified from SPPU.

College Update

7. The Principal updated all members about College activities, events and achievements during the period Jan 2019 to Mar 2019, Details of the update are at **Appx-B**.

Analysis of NIRF Ranking

8 Discussion took place on NIRF Rankings in which AIT dropped by three positions (from 88 to 91), despite the fact that AIT has improved in Pune and West Zone. .Analysis of the same was present and is at **Appx- C**

Direction of Chairman for improving the rankings are as follows:-

(a) Focus of AIT should be on TLR (Teaching Learning & Resources) and RP (Research Professional Practices) as these parameters have more weightage.

(b) For improving RP, faculty should be given specific individual targets of paper publication, Patents, consultancy etc. Proper monitoring and feedback mechanism should be incorporated and strictly adhere to.

(c) Mechanism to ensure involvement of students in Research and Innovation, right from FE should be instituted.

(d) HOD will prepare plan for Dept level R&D and submit to this report within 60 days for perusal of Chairman.

(e) AIT must work on all doable parameters and ensure better score next year.

(f) Vision / Mission of AIT must be modified accordingly.

(g) Only a professional, confident and expert faculty can get consultancy from which both faculty and AIT will benefit. He directed that faculty should try for such consultancy to prove their expertise. He also directed that list of research projects should be available right in the beginning for the FE students, so that they can be involved in research and innovation activities from FE itself.

(h) He also informed all concerned that various problem statements were available on Army Design Bureau (ADB) website. These documents can be studied and AIT can also bid for these Research Projects. Chairman of ADB can be contacted to include AIT for annual ADB conference invitee list as was being done earlier.

(j) There was a suggestion from one of the member that PG program can be started in other branches, such as Computer and E&TC. The Director felt that time is ripe for initiating the process. The Chairman directed that the proposal be initiated which can be taken up with AWES through proper channels.

Placements

9. Placements of 2018 – 19 was displayed and it was brought out that average salary has substantially increased this year. This was because many MNCs including Microsoft, Amazon and Barclays etc. absorbed students at very high salary. Even TCS hired some students for their advanced salary package for the first time.

10. Chairman queried as to whether the starting salaries of standard packages offered by bulk recruiters have increased in line with the inflation/consumer index. The TPO clarified that there has

been no increase for many years in the standard packages. However these companies are offering very high packages for selected students in High Tech areas. Many AIT students have met the criterion for such high tech placements.

Collaboration With Artificial Limb Center

11.   When briefed about possibility of collaboration with ALC, Pune for 3D printing of artificial limbs, it was brought out by Dr. SM Sansgiri, that AIT needs additional software and hardware to start printing these parts. There is also a need for a 3D scanner to augment the 3D printing capabilities. Chairman directed that proposal may be taken up for procurement of required items. He was hopeful that HQ Southern Command will assist in allocation of funds for this purpose as this will be a unique and noble initiative for soldiers.

Agenda Points From Management for Discussion

Agenda Points	Action	Info

12.   **Agenda Point I :- Education 3.0**

As today technologies are changing vary rapidly, it is felt that AIT need to adapt new style of delivery of content to students. Committee was formed under Prof. AK Singh for Education 3.0 to find feasibility and methodology for implementation. Prof AK Singh and his team will explain this concept and how it can be implemented in AIT. Copy of Presentation is at **Appx D**. Prof AK Singh mentioned that he is not suitable person for Education 3.0 as he teaches Maths and not core Engineering subjects.

Director/ Principal

Decision : Approved in Principle. Chairman directed that Director of AIT will give/ provide objectives, scope of work, term of reference and prepare plan for implementation. He must then ask the team to prepare detailed plan of action. Chairman directed that being a senior faculty of Mathematics, he is the most suitable person to drive this agenda. As such Mathematics is the foundation of engineering and as a subject it is taught for nearly four semesters and also at ME level.

13.   **Agenda Point II :- Budget FY 2019 – 20**

Copy of Proposed Budget FY 2019 – 20 is at **Appx E**. Dr Sujata Marathe queried if some seed amount for R&D can be given. The Director mentioned that each Dept already has some budget for such activities including those for students. Additional seed amount can be given for faculty to start his R&D project from Central budget also till he get funding from funding agencies.

Director / Principal — HQ Southern Comd.

Decision : Approved in Principle in CDC. It was directed that, proper SOP can be made for such provisions and amount to be suitably budgeted.

14.   **Agenda Point III :- Innovation and Entrepreneur Cell**

(a) Creation of Innovation Cell and Entrepreneur Cell which will dedicatedly work in the following areas :-

Director / Principal -

   (i)   Incubation of project ideas

   (ii)   Boosting startup activities

   (iii)   Guiding patent filing

   (iv)   Conducting various activities related to entrepreneurship

   (v)   Quality circle

4

Agenda Points	Action	Info

(vi)   Enhancing internship programs

(b)   One of the faculty will be coordinator of this cell, who will be assigned with partial teaching load of department.

(c)   This cell will bring different activities under one umbrella.

(d)   If possible separate space will be provided for this cell.

(e)   Funding to be from Central R&D budget.

Decision : Input from IIT, Indore and other institutes should be obtained. Involve students as member and go ahead.

15.   **Agenda Point IV :- Digital Transformation Cell**

(a)   Aim of this cell is to boost activities related to Digital content management such as:-

Director / Principal — HQ Southern Comd.

(i)   Systematic uploading of teaching material on e-Learning Platform like MOODLE/ERP

(ii)   Online / MOOC courses updation and info collection

(iii)   Smooth functioning of ERP

(iv)   Updation of AIT website.

(b)   Dedicated task will be assigned to one of the faculty member, who will also be taking partial teaching load.

(c)   Faculty co-ordinators will ensure conducting various activity related to above.

Decision : Proposal approved, to get better ideas and in that process they will also learn.

16.   **Agenda Point V :- Centre for Excellence for Robotics & AI**

(a)   Number of activities are presently conducted independently under Robotics Club, 3DPLM etc. It is decided to coordinate these activities under one roof.

Director / Principal

(b)   Incharge Faculty member will have assigned dedicated task for the same.

(c)   Faculty coordinator will develop various modules for FE to TE students of different branches

(d)   These students will be exposed to various technologies, related to Robotics and AI.

(e)   This will help students to gain hands-on practical and real time learning experience.

Decision : Should be called as AI and Robotics, as Robotics is subset of AI. The center should actively explore military applications of AI and Robotics. The students must undertake projects in this sphere.

Agenda Points	Action	Info

17 **Agenda Point VI :- 360^0 Feedback**

(a) As per guideline of AICTE 360^0 feedback needs to be implemented from 2019 – 20.

Action: Principal
Info: All faculty

(b) Following reports, are collected in AIT

- (i) ACR.
- (ii) AIT format.
- (iii) AWES format.
- (iv) Contribution report.
- (v) Student's feedback.

(c) These reports are useful for collecting 360^0 Feedback.

(d) Only point which is missing is social contribution and will be added in contribution report.

Criteria (Points)	Map to existing Formats
Teaching Process (25)	Faculty appraisal form (AIT Format)
Students Feedback (25)	Existing student feedback form
Departmental Activities (20)	Contribution Report
Institute Activities (10)	Contribution Report
ACR (10)	Faculty appraisal form (AWES format)
Contribution to the society (10)	Like induction program, Unnat Bharat Abhiyan, Yoga classes, Blood Donation, Project for societal use.

Decision : Present feedback and appraisal reports are providing 90% of required information for 360^0 feedback. New systems not to be introduced till 7th Pay commission pay scales are applied.

Additional Points from Teaching & Non – Teaching Staff

18. **7th pay commission implementation**

Action: Director/ Jt Director
Info: All

Decision : It was clarified that the implementation will be based on directions from HQ AWES.

19. **Maintaining roster, appointing staff members on regular basis.**

Decision : This point was already discussed in CDC dated 18 Aug 2017 (Sr. No. 21).

20. **Service Book :** There was a request that service book be updated and shown to the employees regularly. Also copies be provided to the employees.

Action: Jt Director/ Registrar
Info: All faculty

Decision : Signatures of individuals on updated service book to be taken by end of September. Copy be given on demand.

21. **Vacation and EL.** A Presentation was given by Jt Director where

Action: Jt Director
Info: Director

Agenda Points	Action	Info

he reiterated his views. Members raised issued concerning about increase of working hours beyond 40 hrs per week. Director assured present academic calendar and time table will not be disturbed, however faculty need to work for full 40 hours and involve more in extension activities which could be done beyond college hours. These could include Club activity / any other departmental / institute / student related work.

Decision: It was decided that complete report will be submitted by Director and Chairman will take the decision.

22. **Discontinuation of Pre CDC.** In earlier CDC it was decided to have more focused discussion on main points rather than on trivial points. It is decided to have discussion, prior to main CDC. Minor points, which can be sorted out at the level of pre-CDC and should not be discussed in CDC.

      Director   All

Decision : As Pre-CDC had been instituted on members' requests, now that the members themselves are not interested, it can be discontinued. However, it was directed that all agenda points will be put up well in advance for the approval of Chairman and only those points will be discussed in CDC.

23. **Reason for suspending Dr. AM Gadade. (Rules for suspending)**
Prof. AK Singh, requested to know the reasons for suspending Prof Gadade. He brought out that there is atmosphere of fear in staff about suspension.

      -     -

Decision : Chairman categorically stated this is confidential disciplinary matter and it will not be discussed in CDC. Chairman told that those who are doing job sincerely should not have any fear in their mind.

24. **Principal Address.** There was a request from the members to have separate interaction of faculty with Principal every semester At present beginning of every semester, Director and Principal both interact with faculty members department wise. The purpose was to understand the common problems of each department and disseminate college plans if any. This was found to be the best model of addressing staff members. However the model can be changed as per the requirement of the faculty. Prof. AK Singh mentioned that, The Principal will interact with faculty individually during the term in HOD Office.

      Principal   Director

Decision : It was agreed that Principal will address the faculty department-wise separately. No personal and individual matter will be discussed in this interaction. The Principal will interact with faculty individually during term in his office or HODs office. Faculty will bring necessary academic documents during interaction.

25. **Notices for students and staff should not be common (viz I card notice)**

      Jt Director   All

Decision : Point agreed to, due care will be taken.

26. **It was requested that signatures of all members of CDC be taken on minutes of meeting.** Prof. AK Singh mentioned that Ad-hoc faculty should not be a member of committee deciding important policy matter.

      -     -

Decision : It was not agreed to being impractical. However sharing of draft minutes was agreed to. The minutes could be prepared along with CDC Members.

27. **Renewal of Medical and Term Plan Policy.**
It was requested that preliminary actions to renew the policies be initiated well in time.
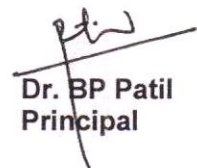
      Jt Director   Director

Agenda Points	Action	Info

28. **Request to raise in salary for Adhoc staff** — Jt Director — Director

Decision : Request is considered. 30% increment as recommended by AWES will be implemented wef April 2019, after approval of the Chairman.

29. **Implementation of Time- bound pay scale** — Jt Director — Director

Decision : Legal advice on applicability of the order for various categories of employees is being taken. Based on the advice action will be taken.

30 **Request from hostel Staff for "Equal wage for equal work"** — - -

Decision : Matter is in court, so no comments.

31. **Point raised by Prof. AK Singh, problem faced by ME Students.** — - -

Decision : Students should bring these problems to Director through Principal and HOD. Sort the problems at institute level. If required matter can be discussed with Chairman in the coming week.

32. **Prof. AK Singh mentioned the malicious Facebook post related to Jt Dir which is in circulation.** — - -

Decision: Chairman mentioned that he is aware of the same and such matter cannot be discussed in. CDC

Points From the Chairman
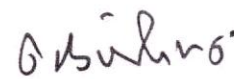
33. All faculty, staff should maintain healthy environment and must understand that students are key focus. For this 70% time should be given to students and their development. He mentioned that majority of problems and conflicts are due to lack of proper social skills. All were asked to pay attention to this aspect which will help towards betterment of institute.

34. The meeting concluded with Vote of Thanks.

Brig Abhay A Bhat (Retd)
Director

Dr. BP Patil
Principal

Approved by

(Chairman)

22 May 19.

ACTION TAKEN / PROGRESS ON THE POINTS
FROM MINUTES OF THE LAST CDC MEETING
HELD ON 10 NOV 2018

1. **Agenda Point I** :- AQAR Report for 2017 – 18
Annual Quality Assurance Report (AQAR) was submitted to NAAC 06 Dec 2018. The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year

   Plans for Next Year :-
   (a) Zero waste management.
   (b) Skill Development Courses (Lathe/IoT).
   (c) MKCL and Klick courses.
   (d) MOU with IIT Bombay, Robu.in, Sigma Electric Manufacturing Corp, Forbes Marshall and Imedita
   (e) Revenue Generation through Consultancy. Submission of application for autonomy.

   Approved

2. **Agenda Point II** :- Scholarship Proposal
From current year (2018 – 19) AGIF scholarships (Rs. 40000/-) have been stopped by which over 300 students are affected (24%). In view of this proposal to provide scholarships, based on means cum merit for 110 students is submitted. Initial corpus will be arranged from AIT FD, approx. Rs 44 Lakhs required per year. Also agencies like HQ Southern Comd / HQ AWES may be approached to contribute to the corpus for the scholarship

   Approval from AWES is pending

3. **Agenda Point III** :- Purchase of HPC System
It is proposed to purchase HPC System, which is required as per revised University Syllabus of various practical subjects such as Artificial Intelligence, Microprocessor Lab and Digital Lab etc. for students of Computer and IT. Student of all branches undertaking project requiring higher computing power will also benefited.
Approximate cost of System is Rs. 20 lakh. Part of procurement is already budgeted for Rs. 11 lakhs in 2018 – 19, under head of "Param Shawak" system. Balance will be budgeted for next year.

   Budgeted for next FY

4. **Agenda Point IV** :- Vacation Leave for Employees
Vocational employees (mainly teaching staff), were earlier given 70 days vacation. However as per UGC Gazette Notification 70 days is authorized to colleges working six days a week, while for colleges having 5

   In process

days a week it is supposed to 42 days. As AIT provides two Saturday off, the pro-rate vocational period works out to 60 days. Essentially the calculation is based on a need to ensure atleast 180 teaching days in an Academic Year, which is not being full filled as of now. Hence directors were passed to have only 60 days leave for vacational staff. Prof. AK Singh raised objection to the new policy and mentioned that such guidelines are not endorsed by AICTE and Savitribai Phule Pune University. The Joint Director also brought out the issue that large no. of non-teaching staff also taking vacation leave, while the Adm Staff is authorised on 30 days EL. The entire issue of authorized leave needs to be reviewed as per various guidelines. The Director suggested that a committee should be formed to study all the aspects and prepare report. Prof. AK Singh requested that the order of vacation leave being curtailed to 60 days be withheld till the committee report is approved.

Additional Agenda Points from Teaching and Non-Teaching Staff

6. Prof. PR Sonawane pointed out that the agenda points for CDC meeting should be in the sequence of functions given In article 97 of Maharashtra Public University Act 2016. The Chairman however commented that the conduct of the meeting should carry on as planned and any additional points may be brought out later.

Care will be taken

7. Prof. AK Singh raised many issued related to college functioning some of them were already carried in earlier CDCs / LMCs. These points included the following :-
   (a) Possibility of participation of AIT students in Khelo india Youth Game being held in Pune from 07 Jan 2019.
   (b) Prof. AK Singh had queries about the new football field being re-laid. The same were addressed by the Jt Director in detail.
   (c) Pay and allowance including provision of TA and CLA to employees.
   (d) Pay and allowances of adhoc employees.
   (e) QIP policy for teacher registered for PhD.
   (f) Restructuring of departmental organisation.
   (g) Requirement of Faculty Lounge.

The Principal objected to the points being raised in the meeting without prior discussion during Pre-CDC meeting. Prof. AK Singh mentioned that he is raising these issues only as the Chairman had permitted the members to do so.

(a) for School children
(b) Satisfactory answered
(c) Already AWES has rejected this proposal
(d) Revised pay suggested to AWES, awaiting for approval
(e) Not possible in AIT, as self sustainable model
(f)
(g) Prof. AK Singh to suggest it.

Discussion with Director took place separately on issue raised by Prof. AK Singh.

8. The Chairman complimented the family, staff and student of AIT for their excellent performance till date. He also mentioned that AIT gets academically sound students as they are from top 8 to 10% of JEE ranking, while these students have requisite IQ, they need to develop their EQ and SQ. The faculty and staff need to focus on assisting the students to develop this. He also mentioned the need for the students to follow a disciplined routine and focus on developing their personalities. He mentioned that new fields of technology, such as AI, ML, IoT, Big Data, Robotics etc., presents new challenges and opportunities. AIT needs to work beyond curriculum and provide exposure to its students in these fields.

COLLEGE ACTIVITY (Jan 2019 to Mar 2019)

1. **WORKSHOP / SEMINAR / GUEST LECTURE / IND. VISIT / AAC**

	Jan to Mar	Till Dec 18	Previous acad. Year
Workshops / Seminars Attended	11	17	102
Workshops / Seminars Conducted	12	11	29
Guest Lectures Organised	15	24	25
Industrial Visits	08	14	23
Paper Presented	24	04	56
Paper Accepted in conference	22	06	27
FDP Attended	41	02	168
AAC Meeting (1/Sem/Dept)	03 E&TC – 18 Apr	04	04

2. **Activity**

   (a) NBA Visit for Mech, E&TC and IT was carried out by NBA Team on 1 Mar 2019 and Accreditation extended till 30 Jun 2022 (For next Three Years)

   (b) NBA prequalified is submitted and approved by NBA on 1st April, 2019 for Computer Dept. Final Self-Assessment Report (SAR) to be submitted by 15th May 2019.

   (c) Student attended the Seminar on "PARIKSHA PECHARCHA 2.0", "PARIKSHA KI BATH WITH PM". The sessions were webcasted in classrooms and Manekshaw Hall.

   (d) Graduation Ceremony was held on February 10, 2019. Around 138 Alumni attended the function.

   (e) Parent Teachers Meet (PTM) was held on March 23, 2019; 24 parents were hosted.

   (f) AIT Ranked 91 in Engineering.

       i. 3rd in Pune (COEP, DIAT, AIT)

       ii. 1st in Entire West Zone among Pvt Engg. Colleges.

3. **Events Conducted**

   (a) Silver Jubilee AIT Day on 24 Feb 2019

   (b) Tech-Solution '19 from 15 Feb to 17 Feb 2019

   (c) Amethyst '19 from 17 Feb to 19 Feb 2019

   (d) PACE '19 from 16 Feb to 19 Feb 2019

   (e) AIT–UGCON–AMALGAM (2018-19) on 30 Mar 2019

   (f) Inter Departmental Staff Badminton Competition from 11 Mar to 15 Mar 2019

   (g) Cycle expedition from 5 to 9 Jan 2019.

4. **MoU with Industry / Institute**

   (a) Eleation and Mech Dept : From 06 Jul 2018 to 05 Jul 2019
   (b) udChalo Scholarship and AIT : From Nov 2108 to Oct 2019
   (c) VVDN : In Process

5. **Placement 2018 – 19**

Details	2018-19	2017-18	2016-17
No. of Industries Visited	68	67	77
No. of students selected	245	262	258
Overall Average salary (LPA)	7.00	5.90	5.40
Maximum Salary (LPA)	39	39	24
Placement Percentage	90%	92	93

Dept.	IT	Comp	E&TC	Mech
Unplaced Students	1 (1.67%)	2 (3.45%)	13 (12.26%)	11 (22.92%)

6. **Placement in Defence Forces**

Name of Student	Branch	Def Force
Madhu	Comp	Air force
Nishant Gore	Comp	Air force
Rakshanda Singh	E&TC	Air force
Sadhika Parashar	E&TC	Air force
Kriti Shukla	IT	Air force
Nikhil Kumar	IT	Air force
Abhishek Patial	E&TC	Army
Boorela Arvind Kaushik	E&TC	Army, Navy
Manoj Joshi	E&TC	Army

7. **Recent Initiatives**

   (a) *Mechanical Department*

   (i) VAC : CAD/CAM for SE; CAE for TE, BE, ME.
   (ii) Hyper Works Training for Faculty and ME students.
   (iii) Exploring possible collaborative projects with Artificial Limb Center (ALC), Pune.
   (iv) Exploring collaborative projects with Sigma Electric, Pune.

2

(b)   Computer Department

   (i)   Department is planning to start the competitive coding club.

   (ii)   Students have been given open challenge to build IoT based model for societal application.

8.   Student Achievement

(a)   Mechanical Department

   (i)   Two BE-Mech students, Sachin Divedi and Shivam Mishra won the KPIT-Sparkle competition; the prize money for the innovative project entry was 10 Lakhs.

   (ii)   The SAE-AIT Team participated in the GO-KART competition and won the "TUG-OF-WAR" contest and the prestigious "Best Design" prize.

   (iii)   GATE 2019 Ranks [Pranav Prabhakar (2154), Narender Singh (3831), Abhishek Shukla (4972)]

   (iv)   Vivek Saahil : India Today has published an article, covering my story, on becoming India's 'Student of the Year 2018'.

(b)   E&TC Department

   (i)   Two of our SE students Saurabh & Nidhi won

      (a) National level Chhatra Vishwakarma Award

      (b) TATA Communications "The grand India IoT Innovation Challenge"

   (ii)   GATE 2019 Rank [Ajay Kumar Pandiri (1047)]

   (iii)   Anmol Porwal, BE scored 337/340 in GRE.

(c)   Computer Department

Technical Event	Organizing Institute	Participated Students	Position	Month -Year
The ACM-ICPC International Collegiate Programming Contest (Asia Regionals)	IIT Kharagpur	Amitav Soni, SE Rahul Yadav, TE Prem Sakore, BE	23/84	15th -16th Dec, 2018
International Business Festival powered by the Harvard Business Review – 13th Letter Event	Symbiosis Centre for Management Studies, Pune	Utkarsh Mishra, TE Tanvi Singh, TE	2nd	15th - 19th Jan 2019
Innovation-2019: Business Idea Competition	Cummins COE for Women, Pune	Ritesh Kumar, TE	2nd	1st -2nd Feb 2019
Innovation-2019: Faster Fixer			2nd	1st -2nd Feb 2019
Shark Tank:	National institute		1st	8th -10th Feb

Technikala-2019	of Construction Management and Research, Pune			2019
Coder's Challenge-Tantrotsav 2k19	D. Y. Patil College of Engineering, Akurdi, Pune	Amit Kumar Singh, SE	1st	11th -12th Feb 2019
Code Vita 20. Tantrotsav 2k19			2nd	11th -12th Feb 2019

(d)   *IT Department*

Name of Student	Event	Position	Venue	Type of Event
Dishant Pawar Bhupendra Yadav	"Credenz-18" Clash	3rd	PICT, Pune	**Inter-College**
Dishant Pawar Bhupendra Yadav	"Credenz-18" Reverse Coding	2nd	PICT, Pune	**Inter-College**
Divanshu	1st – Runner up(Best speaker) in the 33rd edition of "Waxing Eloquent", English Debate	2nd	Symbiosis College of Arts and Commerce	**Inter-College**
Arun Kumar	Clash (Senior) 2018	1st	PICT, Pune	**Inter-College**
Sourav	Basketball-18 (Intercollege sport at AIT)	1st	AIT, Pune	**Intra-college**
Dilip Kumar	Consultancy Project ($ 200 prize) Live edu Inc Delaware (US)	1st	-	**International**
Divya Kushwaha Kriti Shukla Ankit Pathak Smita Bendict	Project Competition	3rd	MAT, AOE	**Inter-College**

(i)   17 Students of SE(IT) Completed Microsoft Technology Associate Certification.

9.   **Student Achievement – Hackathon**

Competition	Name of Students	Date	Position
Eureka- Hackathon'19 organized by G.H.R.I.E.T., Pune	Shubham Singh Shailesh Kumar Sahu Arpit Kumar Mishra Shivam Pathak Pankaj Yadav	22nd - 23rd Feb	1st
Paskathon'19	Shubham Singh Shailesh Kumar Sahu Shivam Pathak	16th Mar 2019	1st
3 Address Code Hackath on by INI InfoTech, Pune	Paramvir Singh	24th Mar 2019	Top 200

10. Student Achievement – Sports

Name of Student	Event Name	Organized	Position	Level
Rohit Kumar Pankaj Ku Yadav	MIT- ADT University Pune, India (3rd State Level Inter Collegiate Vishwanath Sports Meet)	MIT- ADT University Pune	2nd Runner-up	State Level
	Cricket-AIIMBT-2019 at Armed Forces Medical College, Pune	MIT- ADT University Pune	1st	Inter-College Level
	Cricket-PACE'19 at AIT, Pune	AIT, Pune	1st	
Ritesh Kumar	Cycling -Cyclothon at Cummins College of Engineering, Pune	Cummins College of Engineering, Pune	2nd	
Shaunchoyon Sinha	Basketball -Pentacle		Runner-up	

Specific Nature	Duration	Venue	Achievements
AISSMSCOE 11 aside Football Tournament (Shahu Trophy)	17 – 21 Jan 2019	AISSMS COE Pune	Football (B)-Runner Up
MIT-ADT State level Inter Collegiate Vishwanath Sports Meet	21 - 25 Jan 2019	MIT - ADT Lonikalbhor, Pune	Volleyball (G) - Runner up Volleyball (B) - Runner Up Badminton (G) - Runner up
COEP - Inter Engineering Sports Fest ZEST 19	24 – 27 Jan 2019	COEP Pune	Basketball (B)-runner Up Squash (B)-Winner Cricket (G)-Winner Volleyball 3 aside Mix – Runner Up Athletics 3 Km Run(B) – Silver Medal 5 Km Run(B) - Gold medal 4*100M Relay(B) - Bronze Mix Relay(4*100) - Runner up Swimming 50 M Br Str(B)-Silver medal 100M Br,Str(B)-Silver Medal
Sports Fest TECHNIKALA 2019	8 – 10 Feb	NICMAR Pashan, Pune	Football (B) Team A- Winner Football (B) Team B-Runner Up
Sports Fest ASHWAMEDH 2019	11 – 13 Feb	AISSMS COE, Pune	5 aside Football (B)- Winner
Inter Collegiate Sports Fest PACE 19	16 – 18 Feb	AIT, Pune	Cricket (B&G) - Winner Basketball (B) - Wineer Basketball (G) - Runner Up Football (B) - Winner Badminton (Mix) - Runner UP Table Tennis (B) - Runner up Athletics-100 M (G)-Gold, 200M (G) – Gold

| Annul Sports Fest ELEVATE 19 | 18 – 24 Feb | PICT, Pune | Basketball (B) –Runner Up |
| Inter Engineering Sports Meet PENTACLE 2019 | 23 – 24 Feb | Cummins COE, Pune | Basketball (B)-Winner
Football (B)-Winner |

11. Staff Activity

Specific Nature	Duration	Achievements		
Inter Department Badminton Tournament 2018-19	11 – 15 Mar	1st	–	IT Dept
		2nd	–	Admin Dept
		3rd	–	Comp Dept
		4th	–	ASGE Dept
		5th	–	E&TC Dept
		6th	–	Mech Dept

ANALYSIS OF NIRF RANKING

1. **NIRF Parameter**

Parameter 1	Teaching, Learning & Resources (TLR)	Marks 100, Weightage 0.30			
		Student Strength Remark(SS)	Faculty Student Ratio(FSR)	Faculty with PhD	Total Budget /Utilization (FRU)
		20	30	20	30
Parameter 2	Research, Professional Practice (RP)	Marks 100, Weightage 0.30			
		Publications (PU)	Quality Publications (QP)	IPR	Footprint of Projects & Professional Practice (FPPP)
		35	40	15	10
Parameter 3	Graduation Outcome (GO)	Marks 100, Weightage 0.20				
		Placement, Higher Studies & Entrepreneurship (GPHE)	University Examination (GUE)	Median Salary (GMS)	Students admitted to Top Universities (GTOP)	No of PhD Students (GPHD)
		40	15	20	15	10
Parameter 4	Outreach and Inclusivity (OI)	Marks 100, Weightage 0.10			
		Region Diversity (RD)	Percentage of Women (WD)	Economically & Socially Challenged (ESCS)	Facilities for Physically Challenged (PCS)
		30	25	25	20
Parameter 5	Perception (PR)	Marks 100, Weightage 0.10			
		Peer Perception – employees & Research Investors	Peer Perception – Academics	Public Perception	Competitiveness
		25	25	25	25

2. **Ranking for Last Three Years & Other Colleges**

Parameter	TLR		RP		GO		OI		PR		Final Rank
	100M	Rank	100M	Rank	100M	Rank	100M	Rank	100M	Rank	
2017	54.85	112	1.05	320	67.36	32	76.35	9	8.24	103	77
2018	54.67	110	2.33	267	64.84	44	60.38	15	5.97	98	88
2019	53.18	--	2.46	--	64.86	--	58.40	--	8.92	--	91

Sr. No.	Name of the Institute	NIRF 2018	NIRF 2019
1	Siksha `O` Anusandhan, Bhubaneswar		32
2	Kalasalingam Academy of Research and Higher Education, Srivilliputtur		61
3	NIT Goa	Not in 2018 List	87
4	Mepco Schlenk Engineering College, Sivakasi		88
5	NIT Meghalaya	98	67
6	Indian Institute of Information Technology Allahabad	90	82
7	Government College of Technology, Coimbatore	93	90

| 8 | NIT Agartala | 92 | 70 |
| 9 | Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design and Manufacturing (IIITDM) Jabalpur | 91 | 75 |

Sr. No.	Name of the Institute	NIRF 2018	NIRF 2019
1	Dr. B. R. Ambedkar NIT, Jalandhar	74	Not in 2019 List
2	Sagi Ramakrishnam Raju Engineering College, Bhimavaram	85	
3	PES University, Bengaluru	87	
4	Kongu Engineering College, Perundurai	68	99
5	Bannari Amman Institute of Technology, Sathyamangalam	76	98
6	Bharati Vidyapeeth Deemed University College of Engineering, Pune	83	93

3. **AIT Ranking Dropped due to**

   (a)   Four new colleges entered in between 1 to 91 Ranks, Five colleges which were below AIT in 2018 (having Rank >88) came above AIT in 2018.
   (b)   This total is of 9 numbers of colleges.
   (c)   Three colleges which were above AIT in 2018 Ranking are not anywhere in 2019 ranking.
   (d)   Three colleges which were above AIT in 2018 have decreased this year i.e. total 6.
   (e)   Therefore 9 – 6 =3, colleges came in between 88 to 91, and AIT Ranking decreased from 88 to 91.

4. **NIRF Ranking in Pune**

College	Govt/Pvt	Year	TLR (100) w=0.3	RPC (100) w=0.3	GO (100) w=0.2	OI (100) w=0.1	PERCP (100) w=0.1	Total	Rank
COEP	Govt	2018	60.44	23.96	66.29	46.51	26.74	45.90	45
		2019	58.17	26.17	64.17	51.79	25.77	45.89	49
DIAT	Govt	2018	70.99	27.72	35.53	43.79	2.6	41.37	63
		2019	66.68	32.43	41.05	47.69	5.8	43.29	57
BOV	Pvt	2018	52.34	7.37	59.5	65.63	6.44	37.01	83
		2019	53.31	3.61	59.38	66.1	5.8	36.14	93
AIT	Pvt	2018	54.67	2.33	64.84	60.38	5.97	36.71	88
		2019	53.18	2.46	64.86	58.4	8.92	36.39	91
MIT	Pvt	2019	56.37	3.77	47.71	44.13	1.22	32.11	154
VIT	Pvt	2019	49.25	3.99	57.7	43.39	2.41	32.10	155
Cummins	Pvt	2019	50.06	0.98	51.37	48.91	2.81	30.75	188
PCCOE	Pvt	2019	49.29	3.63	48.9	48.56	0	30.52	192

5. **Conclusion**

   (a)   *Parameter 1*

      i)   Less number of faculty with PhD.

ii)   Institute does not enroll students for PhD.
iii)   FSR ~ 16.6 (ideal 1:10)

(b)   *Parameter 2*

i)   Less number of standard publications as well as citations.
ii)   Consultancy & research projects.
iii)   International patents filed and earnings from patents.

(c)   *Parameter 3*

i)   No PhD students enrolled. (AIT is not recognized research center).

(d)   *Parameter 4*

i)   Expectation: 50% girls students and 20% women faculty, Expectation is 50% of total students should be economically and socially Challenged.

(e)   *Parameter 5*

i)   Perception about AIT submitted by very less no. of people.

6.   Suggestion for Increase NIRF Ranking in 2020

(a)   Parameter 1: Faculty should be encouraged to do PhD.
(b)   Parameter 2: Faculty should be encouraged to pursue for research & consultancy.
(c)   Parameter 3: Start PG and PhD program (Long term)
(d)   Parameter 4: Facilities for Physically Challenged should be added. (like lift in acd block)
(e)   Parameter 5: Public Perception about AIT should be increased.

THE POINTS ON EDUCATION 3.0

1. **Brief on Education 3.0**

   Some scholars term the current system of education as Education 2.0. This is characterized by class room teaching, home works and assessment by way of examinations. The system catered to mass education and would broadly deal with assessing the student in terms of the amount of information gathered and capacity to recall the information.

2. **Does Education need to do more ?**

   Education is the process of facilitating learning, or the acquisition of knowledge, skills, values, beliefs, and habits. Educational methods include storytelling, discussion, teaching, training, and directed research. Education frequently takes place under the guidance of educators and also learners may educate themselves. Education can take place in formal or informal settings and any experience that has a formative effect on the way one thinks, feels, or acts may be considered educational.

3. **What Institute to do ?**

   A typical educational institute caters to one or more of the above aspects and with various levels of emphasis and involving various techniques. There are peer review agencies which grade institutions as per laid down norms.

4. **Feature of Education 3.0**

   (a) Integrating technology into learning
   (b) Digital technology is not a competitor to current teaching models
   (c) Moving towards personalized learning
   (d) Making education affordable

5. **Methodology**

   (a) Lectures move online—which handles students' need for personalization
   (b) What in a class? Anything but lecturing! Class time moves away from PowerPoint, blackboards, and whiteboards and is instead devoted to interactive and applied learning—questions and answers, review and summary, quizzes, interactive problem solving, discussion, project-based learning, and labs.

6. **Pilot on**

   (a) *Engineering Math – I*

      (i)   Mathematics is learnt by doing.
      (ii)   Formal lectures to be reduced by 40%.
      (iii) Supervised problem and discussion sessions.
      (iv)   Test.
      (v)   Feedback.
      (vi)   Lectures on the state of the art by internal or external faculty.

(b)   *ML and Applications (BE IT)*

    (i)   Flipped Class approach.
    (ii)   Student chooses topic.
    (iii)   Related mathematics for self study.
    (iv)   Teacher then covers applications (Medicines, Stock Market…).
    (v)   Lab assignments from scratch or with the help of software packages.
    (vi)   Challenges - BE attendance is low.
    (vii) Resolution - Video of seminars to be uploaded on social media, YouTube etc.

(c)   *Digital Electronics (SE)*

    (i)   Traditional method of Lecturing, Assignments, Test
    (ii)   Lab Sessions
    (iii)   Flip Class where ever felt relevant

(d)   *By Two More faculty Members*

    (i)   Would like to execute after more clarity
    (ii)   Presentation at the end of semester
    (iii)   Requirements-WiFi in class room
    (iv)   No substantial change anticipated from the current methodology

7.   Conclusion

(a)   The current status of AIT is somewhere between Ed 2.0 and Ed 3.0.
(b)   The learning responsibility greatly lies with the learner irrespective of the approach.
(c)   The teacher's role of a facilitator, guide and supervisor increases.

BUDGET 2019 - 20

1. Projects (On under process)

Sr No	Particulars	Amount (in Lakh)
1	Procurement of Learning Management System	20
2	Construction of Temporary Hostel Accommodation	20
3	Greening of FB Ground	5
4	Procurement of Turtine Software	5
5	Renovation of FE Comp Lab	10
	Total Amount	**60**

2. Projects (Proposed Projects)

Sr No	Particulars	Amount (in Lakh)
1	CCTV Installation in Academic Block	20
2	Procurement of Fire Fighting Equipment	20
3	Renovation of Academic Block	10
4	Construction of Underground Water Tank (Rain Water Harvesting)	20
5	Construction of Fire Staircase in New Library Building	10
6	Construction for extension of 04 Floor of Boys Hostel of Homi Bhabha Complex (80 % payment in Fin Year 2019-20)	300
7	Renovation/Upgradation of Sport Facilities	20
8	Construction/Procurement of New Sewage Treatment Plant	30
9	CCTV Installation in Hostels	30
10	Construction of Concrete Road	15
11	High Performance Computer (HPC)	20
	Total Amount	**495**

3. College Account Income

Particulars	Amount (in Lakh)
Tuition Fees	1776.94
Development Fees	239.73
Group Personal Accident Policy	1.53
Registration Fees	9.32
Rule Book	1.09
Employability Training Fee	12.57
BE Farewell charges (From TE Only)	0.66
University Fee	28.64
Wi-Fi Fees Academic	18.25

Sale of Prospectus	19.25
Misc Income	25.00
Rent & allied Charges	20.00
Value added Courses	48.15
Uniform	16.50
Refundable Security Deposit	3.18
Short Term Revenue FD Interest/Saving Bank Interest	50.00
Total	**2270.81**

4. **College Account Expenditure**

Particulars	Amount (in Lakh)
Pay & Allowances (Teaching & Non Technical) (Expenditure for Gratuity/Leave Encashment/Insurance/Medical etc).	1335.00
Pay & Allowances (Contingencies)	50.00
Library	54.20
IT Infrastructure.	43.00
Operational Costs.	344.00
Departmental/Equipment/ Training Expenditure	107.20
Fund for faculty and Student development and Research (R &D)	27.90
Student Activities/ Scholarship to student.	52.75
University Fees	28.63
Training & Placement Eqpt	15.00
Value added Courses & Academic Activities Fes	48.15
Depreciation	135.00
Refundable Security Deposit (Students)	3.18
Uniform Charges	16.50
Other Fund Expenditure	4.96
Total	**2265.47**

5. **Income over Expenditure**

Particulars	Amount (in Lakh)
Income	2270.81
Expenditure	2265.47
Surplus/Deficit	**5.34**

6. Hostel Account (Income)

Particulars	Amount (in Lakh)
Hostel Fees	442.75
Wi-Fi Fees for Hostel	21.43
Rent & allied Charges	12.00
Misc Income	5.00
Messing Charges	351.30
Laundry Charges	33.11
Barber Charges (for Boys other than Sikh & Girls)	4.51
Bedbug Proof Mattress	11.22
Refundable Security Deposit (Hostel)	60.00
Short Term Revenue FD Interest	20.00
Total	**961.32**

7. Hostel Account (Expenditure)

Particulars	Amount (in Lakh)
Pay & Allowances (Hostel)	115.00
Operational Cost	210.00
Misc Expenses(WIFi/Sports)	40.00
Building / Maint	65.00
Messing /Laundry/Barber/Bedbug Proof Mattress/Security Deposit	400.58
Depreciation on Asset (Asset Replacement)	35.00
Security Deposit (Hostel)	60.00
Total	**925.58**

8. Income over Expenditure (Hostel)

Particulars	Amount (in Lakh)
Income	961.32
Expenditure	925.58
Surplus/Deficit	**35.74**

9. **Capital Budget**

Anticipated Income	Amount	Proposed Expenditure	Amount
Carry Fwd from FY 2018-19 (College)	175.00	Project Wks Academic	220.00
Carry Fwd from FY 2018-19 (Hostel)	60.33	Project Wks Hostel including new four storey extension	450.00
100% Interest on Long Term FDs	350.50	Replacement of Asset	150.00
ARF (Depreciation- College 135 + Hostel 35)	170.00	30% FD Interest ploughed back into FDs	105.15
Fund in short term FDs for Development Fund	403.93	Cater for 7th CPC	134.66
		Plough back in Development Fund	99.95
Total	**1159.76**	**Total**	**1159.76**