



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	Dr.C T Jayadeva
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08262220444
Mobile no.	9448665711
Registered Email	ctj@aitckm.in
Alternate Email	principal@aitckm.in
Address	Adichunchanagiri Institute of Technology , Jyothinagara Chikkamagaluru-557102
City/Town	CHIKKAMAGALURU
State/UT	Karnataka

Pincode	577102																		
2. Institutional Status																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Semi-urban																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Dr.Prakash Rao K S																		
Phone no/Alternate Phone no.	08262221422																		
Mobile no.	9449781179																		
Registered Email	prakashraomba.ait@gmail.com																		
Alternate Email	prakashraoks@aitckm.in																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://aitckm.in/wp-content/uploads/2020/07/AQAR-2018-19.pdf																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://aitckm.in/wp-content/uploads/2021/02/AIT-Ready-Book-Small-2020.pdf																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B+</td> <td>2.60</td> <td>2017</td> <td>30-Oct-2017</td> <td>29-Oct-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B+	2.60	2017	30-Oct-2017	29-Oct-2022
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B+	2.60	2017	30-Oct-2017	29-Oct-2022														
6. Date of Establishment of IQAC	02-Oct-2017																		
7. Internal Quality Assurance System																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by	Date & Duration		Number of participants/ beneficiaries																

IQAC		
Participation in NIRF	05-Feb-2020 365	2506
Participation in NBA	03-Jul-2020 365	2506
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8. Provide the list of funds 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
Nil	Nil	Nil	2020 0	0
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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)

Conducting Faculty Development Programmes teaching and Non teaching Staff
 Conducting communication skill development programmes to the students. Focusing on placement training and Quantitative Aptitude classes for enhancing the career opportunity. Effective conduction of Online Classes for all semesters during the pandemic. Motivational and Career guidance programmes were offered to strengthen the confidence level of students to pursue their higher studies and for better placement. The Institute Participated in NIRF 2019 and obtained better results. The Academic Audit is being planned and the action taken reports will be analysed in the IQAC meetings. Faculty and students were motivated to publish their innovative research articles in the referred Journals Faculty and students are encouraged to apply for patents. Preparation for Submission of Application for the NBA reaccreditation for B.E. Mechanical, CSE, ECE and ISE departments. Collection of Stakeholders Feedback and perception of society towards the Institute. Analysis and Submission of Report for the Academic year 201819

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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	Achivements/Outcomes
No Data Entered/Not Applicable!!!	
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?

No

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

2020

Date of Submission

25-Feb-2020

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)

The MIS of AIT happening through Web/mobile based applications DHI and Impartus opt for Digital Transformation of our Educational Institution. This digitalized MIS has the following innovative features. ? Automation Performance Dashboards. ? College performance planning and tracking based on faculty/student performance. ? Automation towards NBA/NIRF preparedness and accreditation. ? Dashboards with descriptive, prescriptive and predictive analysis. ? Efficiency in Administration and Financial Management. ? Fee Collection and Revenue Management. ? Student eligibility management. ? Capability Improvement. ? Capability improvement of students faculty with an inbuilt Expert System. ? Collaboration and Feedback ? Collaboration among all users to bring in action based performance improvement. ? Student Faculty feedback, enabling them to

focus on strengths and improvement areas. ? Customisation and mobility ? Configurable UI catering to diverse needs of institution. ? Mobile/cloud App enabling access from anywhere, anytime. ? This Digital Transformation System not only tracks but also enhances the capability performance of Students and Faculty thus achieving Continuous Improvement Innovation. ? Based on Bloom's Taxonomy, the System also comes with a creative quotient for every student to leverage their unique abilities. ? This model is an innovative way of tracking student performance and has builtin intelligence and analytics for student centric approach based on the concept of outcome based education. ? The System drives collaboration among students, faculty, management and parents to bring in action based performance improvement. ? Our Web/app based app Impartus provides innovative videoenabled learning for our students. It offers better learning experience for students and assists in selfimprovement of faculty. Impartus provides a platform to launch online courses, and to conduct both live online sessions as well as ondemand video based interactive learning at one's own pace. The features of Impartus Lecture Capture app has the following features

- Automatically record complete classroom experience
- Adaptive and secure videos accessible from web and mobile applications
- Platform for collaborative learning, content sharing, advance search and analytics
- Seamless integration with Blackboard, Moodle, Canvas, D2L and other LMS

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

We adopt the curriculum overview provided by the VTU. Depending on our resource potentiality, institutional goals and concern towards the students, we impart quality education. The institution has developed a structured and effective implementation of the curriculum. Following are the various means through which it executes the curriculum.

a. Induction Program: Every year Principal of the college address students who are new entrants in their first year of study.

Principal's address is arranged faculty wise to new students. In this address Principal gives information of vision and mission of the college, curriculum delivery policies and processes, facilities available in the college. He also motivates students to participate in co-curricular and extracurricular activities which are arranged in the college every year. In the same meeting the Registrar gives information of different scholarships available to the students and how to take benefit of these scholarships b. HOD's Meeting: HOD's Meetings are held once a month. Head of the Department discusses their action plans to be executed and regular follow up will be done in the upcoming meeting. c. Academic Calendar: Academic Calendar is prepared as per the VTU academic schedule and the requirements of the college and the respective departments. d. Digitization Tools e. Heraizen : Its working in the area of digital transformation for educational institution and it has the following innovative features • Automation and Performance Dashboard • College Performance Planning and Tracking Based on Faculty / Student Performance • Automation towards NBA /NAAC preparedness and accreditation • Efficiency in Administration/Fee Collection and Financial Management • Student Eligibility Management • Capability Improvement of Students and Faculty with an inbuilt expert system • Student Counselling, Collaboration and Feedback • Customization and Mobility f. Impartus Lecture Capturing: A Video platform for education training where faculties are able to capture, edit and distribute contextually relevant content. Students gain deeper understanding as they use the platform to watch recorded videos and review course material at anytime from anywhere

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Advances in Android Development and Advances in Machine Learning	Nil	27/01/2020	13	Yes	Yes
Technical Internship certification course for the Final Year Students "JANUS" by Zestech Global Pvt Ltd.	Technical Internship certification	02/08/2019	15	Enhancing the Technical skills for the employability and entrepreneurship.	Technical and soft skill were imparted to the students

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting	Programme Specialization	Date of implementation of
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CBCS		CBCS/Elective Course System
Mtech	Network management(NMS) 2.Cloud Computing its Application(CLOUD) 3. Storage Area Networks (S	27/01/2020
Mtech	Advances in Computer Networks(ACN) 2. Data Mining Data Warehousing(DM) 3. Wireless Networks Mobile Computing(WNMC) 4. Software project planning Management(SPPM)	20/01/2020

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	258	138

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
Technical talk on "Energy Conservation in Textile Industries" by Dr. Nagesh N, Professor Chairman of the Department of Industrial Production Engineering, and Dean (Infrastructure Planning) at the University BDT College of Engi	19/12/2019	350
Technical talk on "Career Opportunities in Information Technology for Mechanical Engineering Students" by Mr. Sharathchandra N, Solution Architect, TCS, Bangalore	19/09/2019	340
Technical talk on Gap between Industry requirement and academic curriculum" by Dr. Shivakumar. S Professor Dept. of Mechanical Engg. KLS GIT	05/12/2019	325
Technical talk on "Career Opportunities for Mechanical Engineering Students" by Mr. Thejkumar B Associate Vice President, Toyoda Gosei South India Pvt.	16/11/2019	342

Ltd.		
Technical talk on "Recent trends and Advancement in mechanical Engineering" by Mr. Naveen D Karki Managing Director, Placin Engineering Services	08/11/2019	300
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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
BE	JANUS INTERNSHIP PROGRAMME	258
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	No
Employers	No
Alumni	No
Parents	No

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

Feedback Obtained
<p>The institution collects the feedback on curriculum aspects and courses from different stakeholders such as the students, alumni, Faculty and Employers. Institution established Academic Council in order to ensure and analyze the academic excellence at student and faculty levels. Periodical analysis is made by Academic Council from the following: student performance, faculty performance in every semester, utilization of infrastructure and requirements for quality enrichment. Adichunchanagiri Institute of Technology thoroughly reviews the curriculum for every academic year. The college maintains an IQAC as a quality consistence and quality enhancement measure. In supervision of IQAC, various departments and committees like Career Guidance, Anti-Ragging and Sexual Harassment Committee, etc reinforce the curriculum by incorporating updated information and diurnal social issues. Institute collects the feedback physically from stockholders viz. Students, Parents and Teachers on Curriculum which is prescribed by the university, further college website invites ala stockholder to provide feedback through online. The college conducts annual Alumni Meet, in which suggestions and feedback is received from Alumni students. Feedback from industrial management, R D establishments and professionals is obtained through college website's feedback blog. The provided feedback data is presented to the Academic Council Meeting for necessary implementation in curriculum. Alumni surveys are conducted during alumni interaction at the alumni association meeting held every year .Whenever any alumni visits the college, feedback is taken. Further, college website invites alumni to provide feedback through online. Feedback from industry, R D establishments, professional bodies also are obtained.</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	Computer Science & Engineering	18	4	3
MBA	MBA	60	53	48
BE	Information Science & Engineering	60	90	65
BE	Electronics & Communication Engineering	120	155	122
BE	Civil Engineering	120	145	112
BE	Electrical & Electronics Engg	60	90	46
BE	Mechincal Engineering	120	40	30
BE	Computer Science and Engineering	120	165	136
Mtech	Structural Engineering	24	21	19
Mtech	Digital Electronics & Communication Systems	18	1	Nil

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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
2019	2369	137	133	16	Nil

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	Numberof smart classrooms	E-resources and techniques used
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149	149	149	149	149	149
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)

Yes		
Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2369	149	1:16

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
Nill	Nill	Nill	6	28

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 state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Prof Sanjay D S	Assistant Professor	<ul style="list-style-type: none"> • Coordinator for Two Weeks FDP on "EMERGING TRENDS IN MEDICAL IMAGE PROCESSING AND ITS APPLICATION" • Coordinator for 5days Online FDP on " MULTIDISCIPLINARY TRENDS IN INFORMATION TECHNOLOGY"
2020	Prof Kavya T M	Assistant Professor	<ul style="list-style-type: none"> • IEI Fellowship • Coordinator for 5days Online FDP on " MULTIDISCIPLINARY TRENDS IN INFORMATION TECHNOLOGY"
2020	Prof Chaithra I V Prof Gopinath C B Prof Bhavana D E Prof Karthikeyan S M Prof Madhu B G Prof Harisha S Prof Chethana R Prof Priyanka N Prof Anser Pasha	Assistant Professor	IEI Fellowship
2020	Dr.PushpaRavikumar	Professor	<ul style="list-style-type: none"> • Local Enquiry Committee member of

			V.T.U Engineering College during 2020-21 • IETI Fellowship • IEEE Senior Membership, IEEE-US • Technical Programme Committee Member for the 6th National Conference On "ADVANCES IN INFORMATION TECHNOLOGY NCAIT-2020
2020	Dr.Sunitha M.R	Professor	<ul style="list-style-type: none"> • IEEE Senior Membership, IEEE-US • IETI Fellowship • CONVENOR for Two Weeks FDP on "EMERGING TRENDS IN MEDICAL IMAGE PROCESSING AND ITS APPLICATION" • CONVENOR for 5days Online FDP on " MULTIDISCIPLINARY TRENDS IN INFORMATION TECHNOLOGY" • Coordin
2020	Prof.Vivekananda	Associate Professor	<ul style="list-style-type: none"> • IETI Fellowship • Invited as a Resource Person to answer questions from Public on phone in Programme organized by popular kannada daily "VIJAYAKARNATAKA" • A Jury for the online debate "SOME-VAADHA" organized by Department of ISE, A.I.T,Chikkamagal
2020	Prof.Adarsh M J	Assistant Professor	IETI Fellowship
2020	Prof Prashanth S J	Assistant Professor	IETI Fellowship
2020	Dr.Taranath N L	Associate Professor	IETI Fellowship
2019	Dr A P Jagedeesh Chandra	Professor	Board of Study Member EC TC, VTU, Belgaum

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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
BE	BE	1	20/12/2019	13/03/2020
BE	BE	3	30/11/2019	21/04/2020
BE	BE	5	30/11/2019	02/03/2020
BE	BE	7	30/11/2019	25/02/2020
Mtech	MTech	1	16/01/2020	29/04/2020
Mtech	MTech	3	23/12/2019	31/03/2020
MBA	MBA	1	16/01/2020	20/03/2020
MBA	MBA	3	30/11/2019	09/03/2020

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Students are urged to take up all the Internal Assessments by giving them sufficient time for their preparation. Enough time is given to the students to write the test with prior syllabus informed well in advance. The students are not allowed to leave the test hall until the completion of the test duration. Test performance is evaluated and informed to the students within 5 working days of the test completion.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The Institute frames Internal Calendar of events taking into account the University and institution calendar of events and act accordingly.

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)

No Data Entered/Not Applicable !!!

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
ICS	BE	Computer Science & Engineering	138	138	100%
IS	BE	Information Science & Engineering	52	52	100%
ME	BE	Mechanical Engineering	100	96	96

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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)

[NIL](#)

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – 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
Major Projects	182	KSCST	0.06	0.06
Major Projects	365	VGST	10	10
Minor Projects	182	KSCST	0.08	0.08
Interdisciplinary Projects	0	Nil	0	0
Industry sponsored Projects	0	Nil	0	0
Projects sponsored by the University	0	Nil	0	0
Students Research Projects (Other than compulsory by the University)	182	KSCST	0.15	0.15
International Projects	0	Nil	0	0
Any Other (Specify)	0	Nil	0	0
Total	0	Nil	0	0

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3.2 – Innovation Ecosystem

3.2.1 – 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
EMERGING TRENDS IN MEDICAL IMAGE PROCESSING AND ITS APPLICATION	Computer Science and Engineering	16/12/2019
MULTIDISCIPLINARY TRENDS IN INFORMATION TECHNOLOGY	Computer Science and Engineering	22/07/2019
MICROCONTROLLER EMBEDDED	Information Science and	05/02/2020

SYSTEMS	Engineering	
Development of Machine Tools Design and Operational Properties	Mechanical Engineering	06/07/2020
Advanced features in CAD/CAM	Mechanical Engineering	02/07/2020
Quality Control	Mechanical Engineering	13/06/2020
Internet of Things (IOT) and its applications	Mechanical Engineering	10/07/2020
Artificial Intelligence	Mechanical Engineering	11/07/2020
Two Days workshop on MATLAB SIMULINK	Electrical and Electronics Engineering	27/02/2020
Design development of Embedded systems using Raspberry Pi IoT	Electronics and Communication Engineering	29/10/2020

3.2.2 – 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
One Note Class Notebook	Mr.Vivekananda	Microsoft Educator Center	08/06/2020	Education
One Note Staff	Mr.Vivekananda	SKYfi Labs	23/04/2020	Education
Machine Learning and Python	Mr.Vivekananda	SKYfi Labs	04/06/2020	Education
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3.2.3 – 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
0	NIL	NIL	NIL	NIL	Nil
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	1
Electronics and Communication Engineering3	3

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Computer Science and Engineering	2	5.63

International	Computer Science and Engineering	2	5.54
International	Information Science and Engineering	2	3
International	Engineering Physics	2	Nil
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Information Science and Engineering	1
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3.3.5 – 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
Novel Acentric D-?-A-?-DNonlinear Optical (2E, 4E)-[dimethylamino)phenyl]-1-4methylphenyl)penta-2,4-dien-1-one Crystal for Second and Third Order Nonlinear Applications.	RAGHAVEN DRA	Journal of Chemical Science.	2020	1	1	1
Distribution Expansion Planning By Using Particle Swarm Optimization Method	Poshitha B	IJITEE	2019	1	1	1
Crystal, spectral characterization,	B.N. Lakshminarayana	Journal of Molecular Structure	2020	1	1	1

molecular docking, Hirshfeld computational studies and 3D-energy framework analysis of a novel puckered compound (C ₁₄ H ₁₅ ClO): 2-Chloro-3-phenyl-5,5-dimethylcyclohex-2-en-1-one						
Knowledge based medical decision support system using data mining	Taranath, N.L Darshan L M	International Journal of Innovative Technology and Exploring Engineering	2019	3	1	3
Image Compression and Decompression using Fence Decimation	Taranath, N.L Darshan L M	1st IEEE International Conference on Advances in Information Technology, ICAIT 2019 - Proceedings	2019	2	1	2
No file uploaded.						

3.3.6 – 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
Image Compression and Decompression using Fence Decimation	Darshan L M	1st IEEE International Conference on Advances in Information Techn	2019	1	1	1st IEEE International Conference on Advances in Information Techn

		ology, ICAIT 2019 - Proceedi ngs				ology, ICAIT 2019 - Proceedi ngs
Knowledge based medical decision support system using data mining	Taranath, N.L.,	Internat ional Journal of Innovative Technology and Exploring Engineerin g	2019	1	1	Internat ional Journal of Innovative Technology and Exploring Engineerin g
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	7	46	27	29
Presented papers	6	53	16	2
Resource persons	2	2	2	Nil
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3.4 – Extension Activities

3.4.1 – 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
Celebration of International Biofuel day by seed ball sowing in the unused area of the college campus	Department of Social Forest, KSCST and KSBDB	2	100
Blood Donation Camp	Lions Club Chikmagalur.	4	300
Community service	Computer Science Engineering	27	45
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3.4.2 – 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
CODE VITA	Participated and Placed in CODE VITA	Tata Consultancy Services	2
Workshop	Placed in NINJA Organized by T.C.S	Tata Consultancy Services	14

Quiz	Participated in HACKATHON Organized by MITE Mudbidre in Association with ISTE	MITE Mudbidre	25
Quiz	Participated in TECHBYTES Quiz Competition Organized by TCS	Tata Consultancy Services	50
Workshop	Participated in Workshop on IOT Conducted by GreeksLab Technologies Private limited in association with IIT Delhi	GreeksLab Technologies Private limited	120
Achievement	Secured Second Rank in Department of Computer Science Engineering from VTU Belagavi	VTU Belagavi	1
Quiz	Secured First Place in "BLOCK-ATHON" 2019	PES College of Engineering	1
Workshop	Secured Second Place for Web Development in 33 CSI Karnataka State Student Convention 2019	Dayanand Sagar Academy of Technology and Management , Bengaluru	1
Workshop	Participated in Artificial Intelligent Workshop Conducted by "KYRION TECHNOLOGIES PRIVATE LIMITED"	N.I.T.K Suratkal	9
Jyana Vigyana Mela	Participated and Won First Place in "JYANA VIGYANA THANTRAGYANA MELA"	Sri Adichunchanagiri Maha Samsthana Mutt, Bellur	8
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3.4.3 – 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
Awareness program on biofuels	Department of Social Forest, KSCST and KSBDB	Celebration of International Biofuel day by seed ball	2	100

		sowing in the unused area of the college campus		
World Environmental day	Hosting College	Planting trees	10	40
Biofuel Promotion Activity	Karnataka State Bio-Energy Development Board	Celebration of International Biofuel Day	2	120
NPTEL COURSE	Dept of ISE	NPTEL COURSE	Nil	15
Swachh Bharat	Dept of CSE EC	AICTE ACTIVITY	27	62
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
NIL	0	NIL	0
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3.5.2 – 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
Training Programme	Biofuel Training Programme	Karnataka State Bio-Energy Development Board	19/08/2019	19/03/2020	25
Awareness Programme	Biofuel Awareness Programme	Karnataka State Bio-Energy Development Board	19/08/2019	06/03/2020	25
Project Work	Internship	CAPULUS TECHNOLOGIES	27/01/2020	08/02/2020	138
Project-Work	Internship	Qspiders Software Testing Training Institute	10/02/2020	27/02/2020	128
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3.5.3 – 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
CAPULUS TECHNOLOGIES PRIVATE LIMITED	04/11/2019	Organizing and Conducting Internship for Engineering Students	138
MOBOGENIE	11/11/2019	Internship and Guest Lecturer	138
Design Technologies	03/08/2019	To Provide Industrial Training, Internships and projects to students	80
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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
799.52	400.67

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
No Data Entered/Not Applicable !!!	
View File	

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 partially)	Version	Year of automation
Easy Lib	Fully	4.3.3	2000
Easy Lib	Fully	Web	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	838117	19353625	990	561642	839107	19915267
Reference Books	4279	1319777	31	14654	4310	1334431
e-Books	13139	Nil	21113	Nil	34252	Nil
Journals	8611	Nil	1700	Nil	10311	Nil
e-Journals	6197	Nil	21113	Nil	27310	Nil

CD & Video	1489	Nil	Nil	Nil	1489	Nil
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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
NIL	NIL	NIL	Nil
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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
Existing	677	16	425	4	30	1	1	100	0
Added	10	0	1	0	0	0	0	0	0
Total	687	16	426	4	30	1	1	100	0

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

200 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
NIL	NIL

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
459.3	348.02	224.85	59

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)

No Data Entered/Not Applicable !!!

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
Financial Support from institution	Education Loan(For Minority Students) SC/ST	255	12146343

	Scholarship		
Financial Support from Other Sources			
a) National	Vidyasiri Scholarship (for OBC Students)	1408	27511780
b) International	Nil	Nil	Nil
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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
Remedial coaching	11/11/2019	124	PLACIN Engineering Services Hubball
Bridge Course	28/01/2020	65	Department of ISE
Mentoring	25/02/2020	186	Department of ISE
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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
2020	Nil	Nil	Nil	Nil	Nil
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
Nil	Nil	3

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
TCS, Robosoft, Mindtree, NTT Data, Mphasis, Rakuten, Cognizant, Wipro, Sysco (SCII), In	1635	329	Kodnest, Pentagon Space Pvt Ltd, Smart brains	120	11

fosys,Altime
trik,
IBM,Tech
Mahindra,
Codilar Tech
nologies,Ama
zon,
Qspiders,
Quest Inform
atics,Agrima
Roof and
Facade
Systems,
Empowersys,
Ethnus
Prayojana
Construc

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.E	Computer Science and E	Manipal	M.E
2019	1	B.E	Computer Science and E	US	MS
2019	1	B.E	Computer Science and E	LONDON	MS
2019	1	B.E	Computer Science and E	SIT Tumkur • LONDON,U.S • Manipal	MBA
2019	1	B.E	Information Science & Engg	AIT, Chickmagalur	M.Tech in CS & E

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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
GATE	1

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

Activity	Level	Number of Participants
E-Quiz on Mechanical Engineering Subjects	National Level	262

E-Quiz on Fluid Power System	National Level	298
Kannada Rajyotsava was celebrated by the Department of Mechanical Engg	Institutional Level	300
Volley Ball	University	13
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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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	NCIIPC(G ovt. of India) appreciation	National	Nil	Nil	4AI17IS032	Manoj K S 6th Sem
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

No Data Entered/Not Applicable !!!

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

13000

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

100000

5.4.4 – Meetings/activities organized by Alumni Association :

Second Sunday of December Every Year Meeting Will be Held AIT Alumni Chennai Chapter Annual Get together will be held in the month of August Every Year in Chennai, Tamil Nadu AIT Alumni Hyderabad Chapter Annual Get together will be held in the month of September Every Year, Hyderabad, Telangana AIT Alumni USA Chapter Annual Get together will be held during Akka Sammelana Every Year in USA AIT Alumni UAE Chapter Annual Get together will be held in the month of April Every Year in Dubai,UAE

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)

No Data Entered/Not Applicable !!!

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

No Data Entered/Not Applicable !!!

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
No Data Entered/Not Applicable !!!	

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

E-governance area	Details
No Data Entered/Not Applicable !!!	

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
2020	Nill	Nill	Nill	Nill
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the College 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)
2020	MICROCON TROLLER EMBEDDED SYSTEMS	MICROCON TROLLER EMBEDDED SYSTEMS	05/02/2020	06/02/2020	44	4
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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
FDP on "Research Methodology"	4	01/06/2019	02/06/2020	2
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
149	149	121	121

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Gratuity, 2 EPF, 3 ESIC, 4 GSLIC, 5 GSLIC Death Benefits, 6 Accedent Benefit Insurence, 7 Welfare Daeth Benefit, 8 AST Death Relif Fund, 9 Loan From AIT Welfare Fund, 10Loan Facility at AIT Co-operative Society, 11Loan from AST Relief Fund	1. Gratuity, 2 EPF, 3 ESIC, 4 GSLIC, 5 GSLIC Death Benefits, 6 Accedent Benefit Insurence, 7 Welfare Daeth Benefit, 8 AST Death Relif Fund, 9 Loan From AIT Welfare Fund, 10Loan Facility at AIT Co-operative Society, 11Loan from AST Relief Fund	Student Safety Insurance, Student Welfare Cultural Activities

6.4 – Financial Management and Resource Mobilization

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

No Data Entered/Not Applicable !!!

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
VGST K-FIST (L1), KREDL	1500000	Development and Analysis of MPI and PVM for high speed computation using Cluster based Architecture , Energy Awareness Programme
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6.4.3 – Total corpus fund generated

146530291

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	No	Null	No	Null
Administrative	No	Null	No	Null

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

Parent Teacher Meeting was held on March-7th 2020 for 4th Semester, April 12th 2020 for 6th sem, and May 4th 2020 for 8th sem

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

No Data Entered/Not Applicable !!!

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

No Data Entered/Not Applicable !!!

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Nil
b) Participation in NIRF	Nil
c) ISO certification	Nil
d) NBA or any other quality audit	Nil

6.5.6 – 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
2020	Nil	Nil	Nil	Nil	Nil
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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
Community Service	16/12/2019	21/12/2019	30	15
WOMEN'S DAY CELEBRATION	09/03/2020	09/03/2020	150	10
TEACHER'S DAY CELEBRATION	16/09/2019	16/09/2019	159	400
ENGINEER'S DAY CELEBRATION	16/03/2020	16/03/2020	159	400

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
No Data Entered/Not Applicable !!!

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	No	Nil
Ramp/Rails	Yes	1
Braille Software/facilities	No	Nil
Scribes for examination	Yes	1
Special skill development for differently abled students	No	Nil
Any other similar facility	No	Nil

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
2020	Nil	Nil	Nil	Nil	Nil	Nil	Nil
View File							

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

Title	Date of publication	Follow up(max 100 words)
No Data Entered/Not Applicable !!!		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Under the guidance of Parama Poojya sri sri Nirmalanandanatha Maha Swamiji, Faculties from our department participated in flood relief in Mudigere-kotigehara Belt(Charmudi Ghat)	11/08/2019	11/08/2019	238
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1.The institution is planning to achieve "Green Campus" by planting 1000 saplings within the campus by the end of this year. Already more than 200 Saplings have been planted. 2.Rain water Harvesting. 3. Check dams have been constructed inside the college campus for ground water recharge. 4. Bio diesel generation plant have been installed inside the college campus and bio diesel is being used to fuel college transport
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7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

<p>Title of the Practice 1: Impartus Lecture Capture Objectives of the Practice :</p> <p>a) Part of qualitative teachinglearning process. b) Enabling faculties for continually improving their teaching methodologies based on their Self appraisal and students rating. c) Enabling effective learning among student community. 2.Context a) To overcome offline (manual) interaction limitations between teachers and students. b) To facilitate repetitive watching of the recorded lecturer videos. 3. Evidence of Success Evidenced very good online learning interactions between teachers and students even after the working works. Title of the Practice2: "dhi" Academic Portal 1. Objectives of the Practice a) To establish core management information system for all stake holders of the institution. b) To create effective educational information management. 2. Context To reach student, parents, teachers and other administrative functionaries instantly. 3. Evidence of Success It has been observed all the academic services information is on finger tips, quick reach</p>
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out to students and parents.

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

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

1. High graduation rate 2. Low student-faculty ratio 3. Adequate financial aid 4. Excellent research, internship, and travel opportunities 5. Well-planned curriculum 6. Interesting club activities and other extracurricular 7. Deep concern for student health and wellness 8. Well-run campus safety systems 9. Helpful academic support services 10. Useful career services 11. Modern building infrastructure 12. Well-equipped labs / computing infrastructure 13. Dependable alumni network

Provide the weblink of the institution

<https://aitckm.in/igac/distinctiveness-of-ait/>

8.Future Plans of Actions for Next Academic Year

Future plans of the institute are primarily aiming at scaling the intellectual environment of the institute. This includes aiming at inducting a better quality of students, faculty and intellectual output. The institution strongly believes that academic research can strongly contribute to corporate decision making and has a well developed research plan for the upcoming year. The faculty is involved in actively performing research in the emerging areas and contemporary concepts, also, ushers in a culture of critical thinking, creativity and fosters an inspirational learning environment. The institution plans to host a set of international conferences in the upcoming year. The objective of these research based forums will be to serve as interdisciplinary and multidisciplinary avenues for exchange of entrepreneurial ideas, best research practices and research outcomes, for the benefit of the corporate professionals, industry practitioners, academicians and researchers at large. Research workshops and special sessions are also being organised with the intention of familiarising individuals with the latest developments pertaining to research methods, technological evolution and research paper writing, thereby aiming at increasing the intellectual output of the institution. To address the requirement of better quality of students focus will be on admission outreach of students on Pan India basis. During the recent past the faculty recruitment process has focused on inducting faculty with PhDs and good research background. We plan to improve the ratio of PhD faculty members keeping in view the requirement of both Indian and International accreditations. We are applying to all possible funding and grant schemes from government and non government organisations. We are going to propose MODROBS and Short term training program for faculty to AICTE. Our target to establish our institution as "Centre of Excellence" from reputed multinational companies like Cisco, IBM etc EEE and other reputed corporate houses for placement.