



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY BANGALORE
Name of the head of the Institution	Prof. S Sadagopan
Designation	Director
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	918041407777
Mobile no.	9845900014
Registered Email	registrar@iiitb.ac.in
Alternate Email	dean-academics@iiitb.ac.in
Address	26/C, Hosur Rd, Electronics City Phase 1, Electronic City
City/Town	Bengaluru
State/UT	Karnataka
Pincode	560100

2. Institutional Status					
University	Deemed				
Type of Institution	Co-education				
Location	Urban				
Financial Status	private				
Name of the IQAC co-ordinator/Director	Prof. Chandrashekar Ramanathan				
Phone no/Alternate Phone no.	918041407777				
Mobile no.	9845943079				
Registered Email	registrar@iiitb.ac.in				
Alternate Email	dean-academics@iiitb.ac.in				
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)	https://www.iiitb.ac.in/aqar				
4. Whether Academic Calendar prepared during the year					
	Yes				
if yes, whether it is uploaded in the institutional website: Weblink :	https://www.iiitb.ac.in/includefiles/userfiles/images/pdf/Calendar-and-Holiday-list-of-2019.pdf				
5. Accrediation Details					
				Validity	
Cycle	Grade	CGPA	Year of Accrediation	Period From	Period To
1	A	3.08	2014	05-May-2014	06-May-2019
6. Date of Establishment of IQAC			01-Aug-2014		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries		
Admission Analytics to be	20-Jul-2019		15		

prepared for leadership team

1

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Information Technology	Govt of Karnataka	Center of Excellence Machine Intelligence and Robotics	2018 1800	343500000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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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

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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)

1. Revamping of Admission process of iMTech 2. Restructuring the course work and comprehensive examination framework of Ph. D. Programme 3. Preparations for NAAC reaccreditation 4. Review changes in Plagiarism check process 5. Recommendation of New course proposals

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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
Initiate changes to Integrated M.Tech.	New specializations offered thus making

specializations	the graduates more industry-ready
Review membership of external members into Senate	Retired professor from IIT Bombay added to Senate; Industry expert from Germany added to Senate
Initiate steps for dealing with COVID-19	Platforms for conducting online classes and exams identified and implemented
Initiate Integrated M.Tech. curriculum review	Introduced revamped specialization including addition of AI/ML related specializations
Creaset policy and purchase tools for preventing plagiarism	Plagiarism-checking incorporated into thesis acceptance process thus improving integrity of research
Appoint Committee for restructuring PhD comprehensive exam	Rigour of comprehensive exam increased thus improving quality of research students
Continue preparing Admission Analytics for leadership team	Continued to see improvement seen in GATE/JEE cutoff scores
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Senate	14-Oct-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	05-Mar-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	The institute has a cloudbased ERP to take care of the Management Information System pertaining to students encompassing modules for Pre admission, Admission, Attendance, Programs and Courses, Examinations, Results, Fees and Payments, Completion (graduation). The ERP produces reports which can be used to manage the student's activities, programs and different courses. Information can be retrieved
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batch specific wise and for the entire institute as well. A IIITB applicant can apply online through the ERP, see the status of his/her application and also know the result /outcome of his/her selection through the ERP. Status of the admission is automatically updated on the portal and accessible to the applicants. The admission information on the institute website is quite comprehensive and selfexplanatory. Besides the portal and ERP support there is also a help desk available for telephonic enquiries pertaining to admission. All aspects of merit list generation, display, fee remittance, receipt etc are taken care by the ERP. The system configures the mid semester exams, internal assessments, quizzes and end semester exams and produces the final result after processing. So the ERP is an MIS solution for the campus from admission to graduation of students, taking care of all intermediary processes in a seamless manner. Other MIS standalone systems include hostel management, student campus entry exit management, Campus people count management etc. A comprehensive Library Management Information and Retrieval system called Lybsys is also in place. The entire HR related information and Management is through a cloud base ERP called Zing HR which encompasses Attendance management, Employee Self Service Management, HR Payroll management, Mobile support, Exit Management, Help Desk, employee leave management and host of other HR related modules. The Finance related MIS is operated through an ERP accounting software called Tally which takes care of the entire gamut of financial accounting, inventory management, pay roll, purchase, fee receipts, refunds etc.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

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

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

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
Mtech	Computer Science and Engineering	Nil	Data Modeling DB 210;DS/SE 603;DS 603;CS 605	Nil

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
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 University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Mtech	Computer Science and Engineering	Nil
Mtech	Electronics and Communication Engineering	Nil
Integrated(PG)	Computer Science and Engineering	Nil
Integrated(PG)	Electronics and Communication Engineering	Nil
MSc	Digital Society	Nil

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
Microsoft Word and Excel	03/08/2019	121

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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
Mtech	Computer Science and Engineering / Electronics and Communication Engineering	484

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
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Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

At the end of the year feedback was obtained from Alumni, Parents, Employers, Students and Faculty. Dean (Academics) consolidates all the feedback and renders a report to the IQAC and also to the faculty members in a faculty meeting. This ensures continual improvement. Some of the improvements that resulted from the feedback are appended below: - Detailed inputs from Alumni was provided to the curriculum review committee of 2019 to match syllabus to industry standards. This resulted in specializations covering all contemporary areas such as Data science, artificial intelligence, Digital Society, Signal Processing, Computer networking and communication, VLSI Systems, etc. Evening snacks introduced in the hostel cafeteria. Came about as a result of feedback from parents Students given the option to do electives ("Open electives") from any of the branches including Digital Society. Moreover, students can do their internship / 20 credit project under any professor irrespective of the branch they belong to. - Consequence of feedback from some employers belonging to the non-core industry (e.g., Banking) who suggested that students should be exposed to non-technical subjects as well. Many new student clubs were formally recognized and added. Areas include photography, debating, art, theater, etc. Feedback from the SAC that more opportunities were needed for extracurricular activities. Impartus lecture capture was implemented in all major classrooms of IIITB (A106, A307, A302, A303, R103, R203). Implemented this because students shared a very positive feedback on lecture capture of videos which allows students to review classroom lectures through Moodle. In addition to permitting PE/RE to be done in research labs and research in their labs and research centers. Several suggestions to make this possible were shared by the teachers. centers for credit, students could also do their research thesis under the professors. Separate funding to be allocated to provide stipend for research thesis students of M.Tech., iMTEch and Msc Digital Society. This came about as a result of Teachers wanting to encourage students to contribute to research in their labs and research centers.

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
PhD or DPhil	Nil	30	101	10
MS	By Research	30	226	24
MSc	Digital Society	30	97	18
Integrated(PG)	Electronics and Communication Engineering	30	905	30
Integrated(PG)	Computer Science and	90	2975	90

	Engineering			
Mtech	Electronics and Communication Engineering	30	411	26
Mtech	Computer Science and Engineering	150	778	139
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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	Nil	1009	Nil	46	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	Number of smart classrooms	E-resources and techniques used
46	46	11	19	19	6

[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)

IIITB has various channels of mentoring facilities available to its students. The main element of our mentoring programme is, however, targeted at the incoming cohort of undergraduate students. This is a particularly vulnerable group in terms of their age, the toll that a rigorous coaching schedule potentially can take on their physical and emotional well-being, as well as being their first experience away from a protective home environment. Our Student Mentor Programme (SMP) seeks to provide mentoring services to the first-year students so that they understand the challenges and opportunities at IIITB and develop a smooth transition to campus life. Through this programme, the mentors, a carefully identified group of senior students, attempt to proactively identify problems faced by their assigned set of mentees, and solve them personally, or bring them to the attention of concerned Institute officials at the right time. The SMP operates under the overall guidance and oversight of the Coordinator (Student Affairs) office. Nominations from senior students are invited before the incoming undergraduate cohort joins, the applications are scrutinized by a groups of faculty members and Institute officials, and mentor-mentee pairing is done with a suitable consideration of the branch and gender. The mentors are appropriately briefed and counselled by Institute officials as well as experts drawn from our student counselling partner firm. Every mentor is expected to work closely with a smaller group of 8-10 mentees for the entire year through physical interactions and using online group chat applications. The mentors are expected to help their mentees with questions and concerns related not only to academic and administrative matters related to the Institutes activities, but also provide an empathetic ear as the first sounding board for any pressing personal and inter-personal issues mentors are also expected to flag cases of deviant behavior, so that appropriate advice and counselling support could be provided to the concerned mentee on time. Orientation and induction sessions are conducted by the Director, Deans and Coordinators for our incoming batch of graduate level students also. The Student Activities Council and various other student led clubs and committees also interact with all the students at the time of joining to make them comfortable and ease their process of transition. The Institute makes available dedicated services of expert counsellors through a reputed counselling firm for all

its students. Counselling services are provided in an online mode as well as in a physical face-to-face mode while maintaining the required confidentiality of the interactions. Senior Institute officials and faculty members, including the Director, are in regular contact with students of all batches and frequently interact with them in informal settings to enable free-flowing conversations. Such sessions also provide a useful platform for mentoring support and have particularly been found useful by our senior graduate students and research scholars.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1009	46	1 : 22

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
46	46	Nil	1	46

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
2019	Prof. Jyotsna Bapat and Debabrata Das	Professor	Best paper award

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
Integrated(PG)	IM.Tech	1st Year Term 1	07/12/2019	19/12/2019

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

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
12	1009	1.18

2.6 – Student Performance and Learning Outcomes

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

<https://www.iiitb.ac.in/programme-out-comes>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students	Number of students passed	Pass Percentage
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			appeared in the final year examination	in final year examination	
Mtech	Mtech	Computer Science and Engineering / Electronics and Communication Engineering	160	160	100
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2.7 – Student Satisfaction Survey

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

<https://www.iiitb.ac.in/includefiles/userfiles/images/pdf/SSS-Report-2019.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Prof Jaya Sreevalsan Nair	Intel India Research Fellowship	01/09/2019	Intel India Pvt Ltd
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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
Sowmya Rasipuram	120	Mphasis
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
International Projects	365	Aarhus University, Denmark	1.26	1.26
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3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Workshop on Entrepreneurship	Information Technology	21/05/2020

Development

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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Appreciation	Prof. Debabrata Das	IEEE Bangalore Section	Nil	Teacher

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	AgriHawk Technologies (Fyllo)	IoT device powered by an AI platform for farmers	01/09/2019

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Information Technology	7

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Information Technology	1	Nil
International	Information Technology	23	Nil

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

Department	Number of Publication
Information Technology	4

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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Saptarshi Chaudhuri Irfan Baig Prashant Mishra Debabrata Das	Published	201821015753	01/11/2019

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
A Novel Frequency Allocation Scheme for in Band Full Duplex Systems in 5G Networks	Annamalai P., Bapat J., Das D.	IEEE Wireless Communications Letters	2019	Null	IIITB	Null
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	9	Null	Null	Null
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Prof. S Rajagopalan	BESCOM	Bangalore Electricity Supply Company Ltd	3191000
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Prof Chandrashekar Ramanathan	Sponsored M Tech	Samsung R and D Institute India Pvt Ltd	21825000	61
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3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp	Aikyam/ Bangalore Medical Services Trust	Nil	172
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Evaluation Committee	Nomination as Member	Office of the Commissioner Urban Land Transport	Nil
Technical Advisory Board	Nomination as Member	Government of Karnataka (Police Department)	Nil
Steering Committee	Nomination as Member	Karnataka State Financial Corporation	Nil
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agen- cy/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp	Bangalore Medical Services Trust	Blood Donation Camp	Nil	172
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Research/ Students exchange	Cmde SR Sridhar Registrar IIITB and Representative of TCS foundation	TCS Foundation	1440
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industry	6 months	Dunzo	15/12/2019	15/06/2020	

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
TCS Foundation	19/07/2019	Research/ Students exchange	1440
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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
1723	517

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Class rooms	Existing
Campus Area	Existing
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Koha	Fully	16	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	12348	21852609	579	1441287	12927	23293896
Reference Books	1558	3611465	41	178642	1599	3790107
e-Books	3724	2435808	2598	3014045	6322	5449853

Journals	32	1242099	Null	47916	32	1290015
e-Journals	4882	28152216	170	6044747	5052	34196963
Digital Database	18	205204	Null	205204	18	410408
CD & Video	1244	81647	Null	Null	1244	81647
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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
Prof.Meenakshi DSouza	Algorithmic and Theoretical aspects of Machine Learning	NPTEL	14/10/2019
Prof. Ashish Choudhury	Foundations of Cryptography	SWAYAM	27/01/2020
Prof.Bidisha Chaudhuri Prof. Amit Prakash	Inclusion and Technology Design	SWAYAM	26/08/2019
Ashish Chaudhury	CS 201 / Discrete Mathematics	moodle-LMS/Impartus	08/08/2019
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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	415	125	415	50	120	60	60	1048	0
Added	9	0	9	0	0	4	5	1048	0
Total	424	125	424	50	120	64	65	2096	0

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

1048 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
Media Center	https://iiitborg-my.sharepoint.com/personal/vishnu_raj_iiitb_org/_layouts/15/onedrive.aspx?originalPath=aHR0cHM6Ly9paWl0Ym9yZy1teS5zaGFyZXBvaW50LmNvbS86ZjovZy9wZXJzb25hbC92aXNobnVfcmlhOjJlb0JZJ1d4YW5ETkNNNHFPW

Mixing Equipment and software for editing	impartus
Lecture Capturing System	https://youtu.be/zMlKtD3yFk8
Recording Studio	https://www.blackmagicdesign.com/in/products/davinciresolve/studio

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
312.93	267.96	492.07	468.67

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)

The institute administration takes direct initiative in the maintenance and upkeep of infrastructure and support facilities. The Infrastructure and Maintenance committee headed by the Director oversees the maintenance of the buildings, classrooms, sports complexes and laboratories. Registrar, Chief Administration Officer, Chief Finance Officer and various committee heads monitors the quality of maintenance of infrastructure and equipment. Infrastructure and Maintenance committee Institute's Estate Office headed by Chief Administrative Officer (CAO), maintains the campus infrastructure, electrical installations and equipment through its preventive and post maintenance activities. In case of any repairs/ faulty equipment reported orally or in the Complaint Registers maintained for this purpose are immediately attended to through outsourced staff /team. Security Services - the Campus security is also outsourced and maintained by external agency which provides round the clock security. CCTV cameras are installed in all the prime locations of the campus for surveillance. Housekeeping Services Gardening have also been outsourced. Maintenance of Academic, Library, Laboratories, IT, Sports Hostel Facilities. Academic infrastructure and maintenance is under the control of Dean (Academics) and technical staff assigned takes care of smooth functioning of classroom activities and teaching aids. IT, Library, Laboratories and Sports facilities and services are supervised by the respective faculty-in-charge and advisory committees. Institute Data Centre with the help of IT Committee through its inclusive IT policy provides Wi-Fi, Cybersecurity, Data management and recovery, licensed software, and highly refined server services round the clock with the supporting staff and maintain adequate computers accessories in Admin, faculty, Lab, and Classroom areas. Library facilities and services are well maintained by the library staff under the supervision of Library Committee and of the facilities with the help of housekeeping staff and provides its users a conducive learning environment with flexible timings for reference to its print resources and electronic resources round the clock without any physical barriers through campus internet and remote access facilities. Library committee strives to provide the optimal support in terms of teaching and learning resources and continuously looks out ways for improvement in providing the facilities and services to its patrons. through faculty recommendation , Feedback and Suggestions from campus community. Sports Complex and recreational facilities are handled by the Qualified Sports Officer and the facilities are maintained by the Campus Maintenance Committee. Sports equipments are periodically inspected and necessary repairs are done as and when required and new gears are purchased

accordingly. A separate Sports Committee comprising mostly students oversees the day to day maintenance. Medical facilities: A Clinic with a Doctor and a nurse is available on campus. Institute has a dynamic network with local hospitals which provide ambulance facilities in case of emergency and also inpatient admissions in those hospitals. First-aid kits are kept handy and always available at the security desk near the Reception area.

<https://www.iiitb.ac.in/procedures-and-policies>

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	Student Benovalent Fund	107	7343976
Financial Support from Other Sources			
a) National	Govt and non govt scholarships	384	64975746
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
Awareness of Trends in Technology	21/08/2020	200	Dr. Balaraman Ravindran, Head, Robert Bosch Centre for Data Science and Artificial Intelligence, and Professor of Computer Science and Engineering, IIT Madras

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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
2019	CERN Open Source talk IIITB	Nil	70	Nil	Nil

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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
5	5	7

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
Accolite	66	2	ola	1	1
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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	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	Mtech	Information Technology	University of Toronto, Canada	PHD
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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	177
GRE	1
No file uploaded.	

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

Activity	Level	Number of Participants
Independence Day celebration	Institute	190
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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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Intel Student Ambassador for Artificial Intelligence	International	Nil	1	MS2019012	Prakhar Mishra
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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)

The Student Activities Council (SAC) is a student-elected, student-member body, consisting of equal membership from under-graduate and post-graduate students. It is an elected student body which consists of regular and full-time students only, as per the recommendations of the Lyngdoh Committee set up by the Ministry of Human Resource Development, Government of India. A structured election system is followed and students of all degree programs at the Institute select a set of eight SAC members every year. The elected SAC members decide on allocating portfolios among them based on competency and interest. SAC act as a bridge between the Institute administration and the student community. It steps in to address students grievances related to academic and administrative matters. SAC meets regularly to resolve student concerns and plan for various student led curricular and extra-curricular activities on campus. Various Student Committees are formed to guide and involve students such as • Alumni Committee collaborates with alumni • Branding Committee maintaining a presence on various social media platforms and poster design. • Food Committee interfaces with the food vendors for the mess. • Infin8 Committee organizes the annual cultural event. • Placement Committee placement-related activities. • Sports Committee organizes sports events throughout the year. Student Clubs Aikyam help the poor and the needy in the society. 8Bit magazine run by the students. Dance Club organizes dance events and competitions. Parvaaz (Theatre Club) performs theatre and street plays. Music club organizes musical nights and perform at all key events of the Institute. Aksh (Litureature Club) forum to showcase their poetic and story writing abilities. Debate Club to enhance their interpersonal skills, communication and leadership capabilities. Enigma (Robotics Club) to develop interest in Robotics and Artificial Intelligence. SPICMACAY IIIT Bangalore Chapter organizes classical music, dance, folk arts and classic cinema screenings. Lean In Club promotes and mentors female students in computing, open source and research. Zense Club conducts Hackathons and promote Open Source culture. Movie Club to develop acute movie watching skills, depth in film viewing and appreciation. Events and Festivals: • Infin8 three-day annual event with simulation games, cultural activities and fun field games. • Yamini annual event takes place on 31st October. It consists of dance and music performances by renowned artistes across the country. • Spandan annual sports event conducted in March. The three-day event is fully loaded with outdoor as well as indoor games. • Sangam annual event exclusively for the alumni organized by the Alumni Committee. • Foundation Day celebrated on 15th September, every year. • Convocation Day held on 1st Sunday of July, every year. • Ramanujan Math and IT conference (RMIT) is annual event is held in remembrance of mathematician, Srinivasa Ramanujan. • Research Innovation, Society Entrepreneurship (RISE): The three-day event to showcase the Institutes focus and contribution in research and innovation dimensions. • Winter School is a three-day annual event by CITAPP. • Summer School aims to give students knowledge on algorithmic and theoretical aspects of machine learning.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of registered Alumni:

3280

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

885500

5.4.4 – Meetings/activities organized by Alumni Association :

02

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)

On September 05, 2019 on account of efforts of Prof Rajagopalan and his team in the MOSIP a MoU Signed with Philippines to implement MOSIP for that country, A group of professors, staff members and students organized Blood donation camp at IIITB on September 05, 2019, A committee of Professors, Registrar finalized and signed a MoU on September 12, 2019 with Tongmyong University for identifying and carrying out joint research and run programs / courses. On October 30, 2019 Prof Rajagopalan and the MOSIP Team met with Mr Bill Gates in US. A group of faculty members, staff and students organized UMANG an Inter College Sports event on November 07, 2019. On account of coordinated efforts of Professors, staff and Innovation Centre team IIITB participated in the Bengaluru Tech summit from November 18-20, 2019 and won the won Best Exhibitor Award for the year 2019 in the Interactive and Best Managed Category. On December 13, 2019 Faculty members retreat and brainstorming on strategic planning on vision, mission and objectives of IIITB. On February 05, 2020, Dean (Academics) and a team of Professors finalized the Big Data Biology Program details in collaboration with Institute of Bioinformatics and Applied Biotechnology (IBAB), Bangalore. A team of Professors on April 02, 2020 helped Government of Karnataka in designing Dashboard for COVID-19.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	The admission process in IIIT Bangalore is transparent and merit based. IIITB gives advertisement on the website for each program. Potential students applied. For iMTECH IIITB considers JEE MAIN organized by Ministry of Education Govt. of India. For MTECH IIITB considers GATE exam. For PhD, MS by Research and MS for Digital Society students written test, followed by viva. If someone has good GATE score preferred for MSR and PhD admission
Industry Interaction / Collaboration	IIIT Bangalore has multiple sponsored projects, consulting from industry and special also academic programs for industry, etc, which shows a strong and long industry interaction and collaboration from the day of inception. We have also a IAB (Industry

Advisory Body), where multiple industry leaders in ICT areas interact with Dean-RD and others for vision for next niche areas RD. Accordingly we shape multiple research portfolios in institutes.

Human Resource Management

IIITB has recruited adequate number of faculty members, Lab staff, admin staff and finance staff according to the guidelines mandated by the board and management bodies. The faculty and staff are being supported by various facilities etc. for their professional growth and personal health.

Library, ICT and Physical Infrastructure / Instrumentation

IIIT-Bangalore has a well equipped library with physical books, e-Books, journals, class lectures, and other academic requirements. IEEEExplore and other latest journals in IIITB library helps a lot the research students and faculty for their research activities. In post graduate level, faculty members also refers latest papers and books in class. The above licenses of journals in library helps the students a lot. It has also Koha ILMS system to help the management of library. IIITB has state of art ICT support to faculty, staff and students. It has a high end virtual computing system and multiple servers. Whole campus is covered by latest generation WiFi access points and management software. The state of art WiFi management takes care of all kind of wireless band allocation to security related issues. Each lab also well equipped with various instruments too for courses and RD activities.

Research and Development

IIIT Bangalore gives a lot of stress to research and development along with teaching. Here the faculty selections one of the major criteria is their research potential. Each faculty members publishes in good journals and conferences. For all the young faculty members, moment they join, the institute gives Rs 5 lakhs to set up their research activities. If more fund needed for RD, the institute also supports case by case basis. Research scholars (PhD) have to publish in good venue for writing their thesis. imTech and MTech students also encouraged and evaluated according to their RD output. The institute also encourage to set up research Labs. All the faculty members write research proposal and being funded from Govt of India, Govt of

	Karnataka and many other MNCs.
Examination and Evaluation	Each course has we approved examination pattern. Like, class test, midterm, assignments, final exam, viva etc. The exam pattern discussed and approved during the curriculum design and Senate meetings. Each course concerned faculty member present the exam pattern and marks distributed for each exam to students. After the written exams and assignments evaluation, the students are shown the answer scripts. By the above process student come to know where they stand and where to improve. After the above process, the final grading is done.
Teaching and Learning	The teaching and research have been focused very seriously by IIITB authority. In this process of teaching, each faculty members student feedback analyzed by competent authority. The students feedback are anonymous. This feedback process are done time to time. Meetings to discuss academic output of subject from respective subject in a stream and program are also routine part of practice. In the meeting after rigorous discussion the proper suggestions to improve on the teaching learning practices are communicated to the concerned faculty for consideration and implementation and the loop is closed during the same meeting in same academic year or semester
Curriculum Development	IIIT Bangalore is an autonomous and Deemed to be university. Chairman of the Senate forms a committee for a program. The curriculum development for each program is done by faculty expert of that area by multiple discussions and meetings. Then the curriculum is presented to all the faculty members. Later to Senate members. Senate consists of senior faculty members of IIITB, eminent externals and other members. Curriculum is being discussed and modified if any Senate suggestion. Later the final copy of the revised curriculum is presented to Senate again for approval. Similarly each course designed by a faculty, presented to all the faculty members, then to Senate.

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

E-governace area	Details
Planning and Development	The Director is the executive head of

the institute. The basic planning and development is conceived, executed and monitored by two main councils - The Administrative Council (comprising Director, Registrar, CAO, CFO, Manager IT, CEO Outreach) for administration, infrastructure and day to day running and the Deans' council (comprising all Deans) which plans and administers academic and research activities. The overall management at the strategic level is approved and monitored by the Governing Body (<https://www.iiitb.ac.in/governing-body>) for vision and administrative aspects and by the Senate for the Curriculum and Syllabi. All aspects of Governance, mandatory disclosures etc are given on the institute's website at <https://www.iiitb.ac.in/about-us>.

Administration

The Registrar along with CAO steers the overall administration of the institute to provide a learner friendly and research friendly atmosphere in the campus. The administration is proactively responsive with all stakeholders of the campus community in loop, viz. Students through SAC (Students' Activity Council), faculty, staff, parents and the alumni. Utmost transparency is maintained in all the decisions and overall administration. The institute complies with all the regulatory bodies viz., UGC, AICTE, Department of Education, Government of Karnataka and participates in all its surveys, seminars and conferences to ensure that the overall administration is in sync with the policies and orders passed by these agencies. Frequent feedback is sought from all stakeholders through formal/informal meetings, surveys and various modes of communication.

Finance and Accounts

Finance and Accounts is steered by Chief Finance Officer, formerly Adviser (Finance). The institute follows Accounting Standards as promulgated by the Institute of Chartered Accountants of India (ICAI). All financial and other related authority in the Institute vests in its Governing Body. To facilitate smooth operation of the affairs of the Institute, the Governing Body delegates its authority to the Director in his capacity as the Chief Executive of the Institute, with powers

to sub-delegate except in case of items of authority that are specially reserved for exercise by the Director or other designated Officer of the Institute. All financial transactions are mostly done digitally through online banking and in a few cases through cheque (Account payee only). Petty cash facility is available to meet daily exigencies with certain financial authority with the Director. The institute finance is audited through a two-layer robust auditing process comprising Statutory auditors who conduct an annual audit and Internal auditors who conduct a half yearly audit. The institute's audited statements are available in the Annual Reports which are uploaded on the institute website at <https://www.iiitb.ac.in/annual-reports>.

Student Admission and Support

All admissions are through an automated process through ERP, the link for which is available in the institute website <https://www.iiitb.ac.in/admissions> for each of the programs. A IIITB applicant can apply online through the ERP, see the status of his/her application and also know the result /outcome of his/her selection through the ERP. Status of the admission is automatically updated on the portal and accessible to the applicants. The admission information on the institute website <https://www.iiitb.ac.in/admissions> is quite comprehensive and self-explanatory. Besides the portal and ERP support there is also a help desk available for telephonic enquiries pertaining to admission. All aspects of merit list generation, display, fee remittance, receipt etc are taken care by the ERP. An open house is organized on the day of admission (day 1) where student friendly counters are set up for document verification, hostel allocation, student number allocation etc. Parents are also apprised of the curriculum, infrastructure facilities and various other administrative aspects concerning the students.

Examination

The entire examination process is steered by the Controller of Examinations. A comprehensive examination infrastructure is in place

for conduct of examination in physical mode and in online mode. Various tools of evaluation like projects, assignments, quizzes, thesis, internships, mid-term examination and end term examinations are employed. For the mid-term and end-term examinations, the institute has adopted a paper-less digital tablet/ exam-pad where students can write their exams using an electronic scribe. Professors can also evaluate online at their own time and space. Evaluated answer books are sent to the students digitally for their perusal and feedback. This system also facilitates question wise analysis of each of the answers. For on-line examinations, a system is in place for on-line proctoring. An ERP portal facilitates an automatic generation/downloading of transcripts / marks card by the students themselves. The entire system of examination is thus transparent and automated at various levels.

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
2019	Prof. PradeeshA Ashok	International Frontiers of Algorithmics Workshop FAW2019 held at Sanya, China from 29 Apr to 03 May 19	Nil	68798

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Research Methodology: Tools Techniques	Nil	20/09/2019	20/09/2019	38	Nil

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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
https://www.blackmagicdesign.com/in/products/davinciresolve/studio	19	01/08/2019	01/08/2019	1

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
45	45	48	48

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Provident fund, Gratuity, Group Insurance Scheme (GIS), Medical Reimbursement, On Campus Doctor facility, Counselling Services, Womens Cell	Provident fund, Gratuity, Group Insurance Scheme (GIS), Medical Reimbursement, Campus Doctor facility, Counselling Services, Womens Cell	Insurance, Paper Presentation, Prize Money, Conference/ Seminar/ Workshop Fees, Campus Doctor facility, Counselling Services, Womens Cell

6.4 – Financial Management and Resource Mobilization

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

Institution conducts internal and external financial audits regularly. Internal Auditor is appointed by the Governing Body of the Institute. M/s Rao and Swami, Chartered Accountants is our Internal Auditor. Internal Audit are carried out in each half of the financial year. The Institute has a strong internal audit system. Queries raised by the auditors during the course of the audit are clarified by the finance team. The finance department requests clarifications from the respective teams/departments with respect to the queries raised during audit. Based on the explanation and examination of the documents, delegation of powers, Finance and HR manual, Internal Auditor will issue Audit report. Appropriate corrective measures, wherever required, are taken and necessary follow up is done to ensure compliance to the Audit Comments. This audit examines and report, whether the management policies and guidelines are properly implemented, compliances with the various Acts and regulations and the Internal control system is adequate and the extend of deviations and financial impact thereof. Audit reports placed before Audit and Finance Committee of the governing body and after its recommendation, it will be placed before the Governing Body. Our External/Statutory Auditors is M/S Rao Associates, Chartered Accountants, whose appointment is recommended by the Governing body and approved by the Members of the Society in the Annual General Meeting of the Society. The External Auditor conducts the audit after the close of the financial year. The scope of audit is to report on the true and fair view of the financial statement of the institute. Auditor also reports whether the

financial statement has been prepared in accordance with generally accepted accounting practices in India, in particular mandatory accounting standards issued by The Institute of Chartered Accountants of India has been complied with. The auditor examines the books and records, Income and Expenditure Statement, Receipts and Payments, and balance sheet and the internal audit report. Audit report ensure/covers the following aspects. • Sufficient and appropriate evidences are available for entries made in books of account • All transactions are being recorded in books of account, i.e. there is no omission • Information contained in the financial statements is clear and unambiguous • Amounts shown in financial statements are properly classified, described and disclosures are made in conformity with applicable accounting Standards • Financial statements reflect true and fair view of financial results and financial position as on the Reporting date. Auditor report was placed before the Audit and Finance committee of the governing body and after its recommendation, it is paced before the Governing body. The financial statement along with audit report is finally adopted in the Annual General Meeting of the members of the society and afterwards it will be filed with the Registrar of the Society.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
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6.4.3 – Total corpus fund generated

442862394

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	Yes	Indian Centre for Academic Rankings and Excellence Pvt Ltd	Yes	Institute Senate / IQAC Sub Committee
Administrative	Yes	Indian Centre for Academic Rankings and Excellence Pvt Ltd	Yes	Chief Administrative Officer / Governing Body Sub Committee

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

Not Applicable

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

- Open House seminar on Program curriculum, infrastructure facilities, Medical facilities, Medical insurance facilities, counselling facilities, fees etc for I MTech, M Tech and M Sc Digital Society programs.
- Post mid-semester counselling and appraisal for parents of students with inadequate performance in academics conducted by Academic Performance Monitoring Committee (APMC) •

Informal feedback session with parents on Convocation Day. • Talk by Campus Doctors to the parents on Open house day (Day 1) • Talk by Campus Counselor Dr Nalini Dwarakanath on Open house day (Day 1) • Seminar by yourdost.com an online counselling and wellness platform on open house day. (Free access to Yourdost.com is given to all students and faculty members)

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

Programme On Improve Interpersonal Relations at Workplace, NAAC - Preparation of SSR Report

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

1. Initiative #1: Procure tools to support high-quality research 2. Initiative #2: AI / ML Specialization 3. Initiative #3: PhD Programme Improvements 4. Initiative #4: COVID-19 Initiative - Online Teaching / Learning Infrastructure

6.5.6 – Internal Quality Assurance System Details

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

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Revamping of Admission process of iMTech Programme	05/07/2019	01/08/2019	Nil	15
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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
Womens day celebration	11/03/2020	11/03/2020	100	45
Communication and Online Safety - Webinar	24/06/2020	24/06/2020	58	42

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
Replaced 150 Watt MH Lamps of Street lights with 48KW LED to save 50 of power in street/campus lighting

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	Yes	1
Rest Rooms	Yes	2

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
2019	1	1	10/04/2020	23	Donate Food for Cause Event	Delivering 1250 food packets daily to these migrant labourers and their families	120

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

Title	Date of publication	Follow up(max 100 words)
Student Welcome Kit	27/07/2019	Orientation conducted for students at the time of joining the Institute. The students are informed about the rules of regulations of the Institute. The student welcome kit was reviewed and improvised each year by the Dean (Academics) and Programme Coordinators based on analysis and feedback from various stakeholders such as hostel, library, food court, security etc
HR Manual	13/11/2019	The HR manual was placed before the Governing Body. The manual was revised based on the review and feedback from key personnel of the

Institute. The Governing Body reviewed and approved the HR Manual of the Institute.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Helping Orphanage kids to learn more about sports and the sports equipments_Surabhi Trust	15/08/2019	15/08/2019	190
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Street lights Campus Lights - All street lights Campus Lights in open area (38nos) are replaced with LED sets to minimize power consumption (appx 35 units of power/day saved) 2) Removal of showers from Washrooms - Dismantled all the Showers from the Hostel Washrooms and fitted normal taps with hot cold water facility. This has resulted into appx 5 Thousand liters of fresh water saving every day and also reduced load on Sewage water treatment plant. 3) Water Saving Aerators - All the wash basins in Academic Hostel blocks (300 sets) are fitted with water saving Aerators to reduce the flow to 20. Achieved considerable saving of water (appx 10,000Liters per day) 4) Wet waste Composting - Kitchen waste composters installed to compost kitchen waste in-house. Compost is used in campus for plants. 5) Distribution of used mattress, clothes, bedsheets (Graduated Student's) to people in need through Student group (Aykyam) to avoid land filling.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1 State of the art research paper reading and presentation 2. Objectives of State-of-the-art research paper reading: - a) Encourage students to take up thesis in their final year. b) Give confidence to the students that what they have learnt as part of course work is enough to read state of the art research papers. c) Encourage students to take up research career in the long run. 3. The Context Several good students do not experience what it means to aspire for a research career and lack the confidence if they can aspire for such a career path. A baby step in that direction is to make the students read and present state-of-the-art research papers e.g. papers published in top research conferences in the year 2019/20 for a course in 2020. We believed that an automatic side effect of this will be that student start aspiring to do a thesis in the final year, and make decisions whether they would like to pursue PhD or a career in research. 4. The Practice This initiative was practised as part of the Advanced Visual Recognition course, an elective offered as part of the AIML specialization, with a class strength of 30 students. The class instructor identified around 20 papers to be discussed in groups from the top conferences in computer vision e.g. Computer Vision and Pattern Recognition (CVPR) or International/European Conference on Computer Vision (ICCV/ECCV). Every student is part of a group reading papers within a theme. Each student has to own and present two papers during the course. The instructor gives some instructions regarding how to read a paper in multiple rounds - i.e. focusing on the top level contribution and the main ideas, followed by understanding the details. The students discuss with the instructor and their group their understanding of the paper. The student then records a video presentation and

shares it with the instructor. The instructor gives feedback on the presentation to improve it further. Finally all the students present their paper in the form of a seminar, and are graded.

5. Evidence of Success The student feedback showed several positives of this type of offering. This includes: a) students gain confidence seeing they are able to read papers published in 2019/20, and that too published in top research conferences. b) personalized attention given to the students while they read (e.g. the main point and the context of the paper or certain important detail left out). c) students appreciate how to present their understanding so that the audience can understand in the first attempt. d) students mentioned that this course makes them feel that they really are in the Masters level course. e) interest from a relatively larger number of students to take up thesis in this area in the final year.

6. Problems Encountered and Resources Required Initially, as this approach deviated from classroom based lecturing, the students were not sure if things would work out. Also, they were under confident that they will be able to manage the whole exercise. Finally after one round, they really enjoyed and started appreciating this approach. Of course, one challenge will be when we try to scale up this course to even larger class strength, say 60 students. In the next offering, teaching assistants who are MS/PhD students can be assigned as mentors to help the students with initial round of reading as well.

Best Practice -2

1. Automation in finance process. 2. Objective of the practice: - (a) To maximize return on investments (b) To reduce unnecessary paper work (c) To have efficient control and monitoring of Finance process. 3. The Context The university income comprises of tuition fees, hostel and mess fees, Fees from continuing Professional Education, Interest income from investments of surplus funds and consulting income. The University expenditure under major heads are faculty salary, Staff salary, Housekeeping, Security arrangements, Annual maintenance of buildings, Labs, computers and other administrative overheads. The surplus of income over Expenditure are invested in Fixed deposits of banks after meeting working capital requirements in the savings account with the banks. While tuition fees are collected twice in a year, expenditure is incurred on continuing basis, that is salary of Faculty and Staffs on monthly basis thus results in a mismatch between income and expenditure on monthly time scale basis. Investments matured in a particular month are to be reinvested again after meeting working capital requirements. Further the University undertakes various RD projects funded by external agencies and University itself. The university also executing various Capital expenditures projects. In view of timing uncertainties on receipt and expenditure, the institute is facing practical difficulties as explained below.

a) How much surplus funds has to be invested in fixed deposits and on which tenure and how much to park in savings account to meet operational expenses. b) Monitoring of RD projects funded by external agencies so that expenditure does not exceed budget of the projects. c) Monitoring of cash flow of Continuing professional education domain.

4. The Best Practices a) Separate bank accounts are maintained for receipts from Continuing professional education and receipts from Campus students. b) Separate bank accounts are being maintained for RD projects. c) One-time instruction has been issued to the bank to transfer the surplus funds from Current account which fetches no interest to savings account as detailed below. (I) Transfer excess funds over Rs 25 lakhs available in the current account to savings bank account. (II) Periodicity is On Daily basis in the morning. (III) Separate bank account is identified for capital expenditures and Revenue expenditures.

5. Automation in Investment decisions a) Investment pocket is defined as Rs 3 Crores, equivalent to estimated revenue expenditures in a month. If any surplus amount is received, then it will be considered to fill the pocket of a month. b) For example, the balance in the savings account is sufficient to meet, say January and February Month revenue expenditure in a particular year and subsequently the institute receive Rs 5 Crores cash inflow in February, then it will be considered to fill March pocket of Rs 3 Crores and

April pocket of Rs. 2 Crs and so on. This standard operating procedures enables the Officer in charge of working capital management to collect quotes from banks for FD amount of Rs 3 Crs to be invested in March and for FD amount of Rs 2 crs in April and accordingly investment will be made.

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

<https://www.iiitb.ac.in/best-practices>

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

10 unbeatable reasons why IIIT Bangalore (IIITB) is the preferred university for IT education in India

1. A clear focus on our raison d'être - It is our vision to leverage the power of Information Technology to transform the lives of individuals and society through continuous innovation in IT education, research, and entrepreneurship.
2. Over two decades of excellence in IT education - As a deemed-to-be university, we have consistently been at the forefront of IT education and innovation for the past 21 years. Intersecting between technology and society, IIITB has grown in stature to become a highly reputed institute with its unique model of education, research, and industry interaction.
3. A global outlook and an industry-ready curriculum - We attract students from all over India and abroad and have the unique distinction of selecting 100 students on merit, pushing up the level of discourse and peer group at the institute. We offer interdisciplinary courses which criss-cross information technology and social sciences.
4. Research Focus - Research is the driving force at IIITB which has three key research centres with customized infrastructure and multiple labs managed by a group of expert Faculty members. Research on the campus is showcased through different forums round the year such as IIITB Rise, Samvaad talk series, conferences, presentations and publications.
5. World-class Faculty - We have outstanding faculty drawn from the some of the best institutions across the world such as MIT, Cornell University, Pennsylvania State University, University of California Berkeley, IISc, and University of Toronto. The institute's pool of distinguished professors has the right mix of academic expertise, research experience, global industry exposure and insights.
6. 100 Placements - IIITB has recorded 100 placement with major companies in the areas of product, hardware, research and development consistently visiting the campus. Students have also bagged international offers with record salaries. Some of the consistent recruiters include Cisco, Morgan Stanley, TCS, Accenture, Telstra, MediaTek and MathsWorks.
7. A vibrant Alumni community - We are proud of our 3300 alumni, many of whom currently hold leadership positions in over 100 blue-chip MNCs and large companies in the areas of IT products and services, in India and abroad.
8. Innovation Hub - IIITB Innovation Centre collaborates with exceptional researchers, innovators, entrepreneurs, users, and communities to co-create knowledge and socially-relevant solutions using cutting-edge technologies for a wide range of social needs. Our portfolio of solutions and startups help us, our communities and our governments. The centre nurtures research-led innovations, and offer pre-seed and seed-stage investments.
9. Campus and Location: The nine-acre main campus in Electronic City, the heart of the IT Industry in Bengaluru, has five main buildings with facilities like Innovation Centre, academic blocks, research labs, state-of-the-art classrooms, playground, library, food court, four student residence halls, medical room and multipurpose hall.
10. World-class facilities and amenities: The institute has around 90,000 sq. ft. of air conditioned space. The campus has modern facilities for various outdoor and indoor sports. A modern 900 seater auditorium-cum-conference complex is almost ready

Provide the weblink of the institution

<https://www.iiitb.ac.in/distinctiveness>

8.Future Plans of Actions for Next Academic Year

Future Plan of Action for Academic Year 2020-21 Since the COVID-19 pandemic has been raging across the world, IIITB's primary focus for 2021-21 is to ensure Academic Activities are least impacted and at the same time student welfare is taken care of.

1. Platform for Online Classes A suitable platform for conduction online classes is to be identified. The key requirements for the platform are:
 - Enables anytime anywhere teaching and learning
 - Capable of working in bandwidth-constrained environments
 - Enables recording of lectures to enable students to view later
 - Cost-effective
2. Platform for Online Assessments A secure and robust platform for online assessments has to be identified. The key requirements for the online assessments platform are:
 - Support online proctoring
 - Allow different types of questions (MCQ, typed, hand-written, etc.)
 - Automatic grading of MCQ questions
 - Online grading of hand written answers
3. Platform for Faculty and Staff Activities Investments are going to be made in platforms that will enable faculty and staff to continue to work from home. Key categories for which online support will be enabled include:
 - Secure access to administration and finance data via VPN
 - Support for home internet plans for key staff
 - Procure gadgets and devices to enable instructors to teach online (digital writing pads, etc.)
4. Health and Safety Sufficient budgetary allocation to be ensured to take care of health and safety of faculty, staff and students. Following activities are planned:
 - Procurement of equipment such as thermometers, pulse-oxymeters, etc.
 - Automated sanitizer dispensers
 - Retrofitting of wash rooms for contact-less use of taps, etc.
 - Frequent deep cleaning of entire campus