



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY, HYDERABAD
Name of the head of the Institution	Prof P J Narayanan
Designation	Director
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	04066531144
Mobile no.	9949544088
Registered Email	director@iiit.ac.in
Alternate Email	pjn@iiit.ac.in
Address	Prof C R Rao Road, Gachibowli
City/Town	Hyderabad
State/UT	Telangana
Pincode	500032

<b>2. Institutional Status</b>	
University	Deemed
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Prof Ramancharla Pradeep Kumar
Phone no/Alternate Phone no.	04066531187
Mobile no.	9391131199
Registered Email	registrar@iiit.ac.in
Alternate Email	ramancharla@iiit.ac.in

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.iiit.ac.in/files/naac/AOAR-2017-18.pdf">_https://www.iiit.ac.in/files/naac/AOAR-2017-18.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.iiit.ac.in/academics/academic-calendar/">https://www.iiit.ac.in/academics/academic-calendar/</a>

**5. Accrediation Details**

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
2	A	3.05	2017	02-May-2017	01-May-2022
1	A	3.40	2011	16-Sep-2011	15-Sep-2016

<b>6. Date of Establishment of IQAC</b>	30-Jun-2016
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**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

Religious diversity in a globalised society	09-Oct-2018 1	35
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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
N.A.	N.A.	N.A.	2019 0	0
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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)**

a. By collecting the course feedback from students, the Institution is started introducing new electives and flexible courses in the curriculum b. A new scheme for faculty was initiated to encouraging their research work. When a new faculty join at the Institute, a fixed seed support budget has been allocated c. With the help of technology transfer cell, the faculty are participating actively in more research and advanced developments and able to mobilize more activities from the external funding agencies d. By organizing Outreach programs, the faculty participation was increased and it has created awareness to improve their professional interactions and research collaborations by organizing International Conferences (Star rated), seminars, workshops and guest lectures etc., e. The Institute has now setup an exclusive grievance / complaint redressal cells and the response time for addressing the students issues were come down to the range of 15 to 30 days (maximum).

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

Plan of Action	Achievements/Outcomes
<p>Activity 1: It was planned to outsource the entire admission process to minimize the workload on both, faculty and support staff members. Activity 2: It is planned to monitor both, faculty and students research projects (B.Tech BTP and Honors) and provide appropriate broad guidelines as per the latest research trends and requirements. Activity 3: It was planned to expand the potential of extension programmes in the form of organizing social sensitivity programmes for the benefit of students</p>	<p>Achievements / Outcomes: From 2018 admissions, the entire process was outsourced to TCSIoN for conduct of the examination, nationwide</p> <p>Achievements/Outcomes 2: After monitoring the ongoing research activities of the faculty and research students, there is an improvement in number of research publications. Improvement in research projects bagged from the Government and Industry.</p> <p>Achievements/Outcomes 3: By organizing more number of gender sensitization and invited talks from the Industry and academicians, Student Clubs are able to organize such social connect programmes by inviting eminent personalities from diverse fields, which made a significant impact on the campus living</p>
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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Governing Council	11-Aug-2018

**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

2018

Date of Submission

10-Feb-2018

**17. Does the Institution have Management Information System ?**

Yes

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

Institute management System (IMS) has been rolled out since 2018 and most of the administrative office functions of the institute have been implemented in IMS. All daytoday transactions with respect to academics, HR, interfunction

communications, approvals, recommendations, payroll, etc happen in IMS and since then thousands are records have been created in the system. Most widely used functions include Admissions, HR, Finance Accounts, Academics, Purchase, Placements, Recruitment and Projects. This vital data is then correlated and converted into relevant information for analysis and for making informed decisions. It enables management to act confidently and improve its operational efficiency. IMS provides reports for each function besides the tailor-made reports and team plan to use advanced reporting and analytics to address specific needs for the user groups. The reports are specific to the functions. Every function uses reports for their decision making and improving the processes and thus working towards continuous improvement. Some of the List of Modules introduced are: Semester fee collection, Admissions Refund Process, Student's Grades Leaves, travel grants, disciplinary cases, Thesis submissions, CGPA/SGPA calculation, Projects/Honor's registration, Document requests, Course feedback, No Dues Certificate, Grievances, faculty and staff leave management, faculty appraisals, cash and bank receipts / payments, Income Tax computations, payroll management, Library process, Office Notes, Course portal, Mess Cash payments / receipts, Institute Budget preparation, Mess and Hostel Budgets, Room allocations, Registration (advisor/coadvisor), Dean Awards (scholarships and research awards), Student medical claims, patient records, institute and mess infrastructure, Inventory audit, Stores and Inventory Management, Fixed Assets process 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
BTech	101	Computer Science and Engineering	01/08/2018

BTech	102	Electronics and Communication Engineering	01/08/2018
MS	111	Computer Science and Engineering	01/08/2018
MS	112	Electronics and Communication Engineering	01/08/2018
MS	113	Computational Natural Sciences	01/08/2018
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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
BTech	Advanced Biomolecular Architecture	01/07/2018	SCI541	01/07/2018
Mtech	Advanced Computer Networks	01/07/2018	CSE435	01/07/2018
BTech	Advances in Robotics & Control	01/07/2018	ECE551	01/07/2018
Mtech	Analog IC Design	01/07/2018	ECE467	01/07/2018
BTech	Compilers	01/07/2018	CSE419	01/07/2018
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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
BTech	Computer Science	01/07/2018
BTech	Computing in Sciences-1	01/07/2018
BTech	Digital Systems and Microcontrollers	01/07/2018
BTech	Discrete Structures	01/07/2018
BTech	Electronic Workshop-1	01/07/2018
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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
BTech	Computer Science Engineering	01/06/2018
BTech	Electronics and Communication Engineering	01/06/2018

Mtech	Computer Science Engineering	01/06/2018
Mtech	Computer Aided Structural Engineering	01/06/2018
Mtech	Bioinformatics	01/06/2018
Mtech	Humanities	01/06/2018
Mtech	Computer Science and Information Systems	01/06/2018
BTech	Dual-degree Programme leading to B.Tech. in CS and Master of Science in Computational Natural Sciences (CNS) by Research	01/06/2018
BTech	Dual-degree Programme leading to B.Tech. in CS and Master of Science in Computational Linguistics (CLD) by Research	01/06/2018
BTech	Dual-degree Programme leading to B.Tech. in CS and Master of Science in Computing and Human Sciences (CHS) by Research	01/06/2018
BTech	Dual-degree Programme leading to B.Tech. in CSE and Master of Science in Computer Science and Engineering (CSE) by Research	01/06/2018
BTech	Dual-degree Programme leading to B.Tech. in ECE and Master of Science in Electronics and Communication Engineering (ECE) by Research	01/06/2018

### 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
Value Education	01/07/2018	248
Ethics	01/07/2018	49
Technology Product Entrepreneurship	01/07/2018	34
Privacy and Security in Online Social Media	01/07/2018	25
Language, Mind and Society	01/07/2018	15

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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	CASE	1
BTech	Electronics	1
BTech	Computers	1
BTech	Computers	1
BTech	Computers	1
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### 1.4 – Feedback System

#### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

##### Feedback Obtained

(i) Student's feedback: During the end of the academic year, IQAC is collecting the student's feedback from graduating students. o Academics - whether their level of knowledge in applying engineering fundamentals is met with? o Whether are they able to identify the real-time problems and have analyzing levels? o Non-academic areas - What are all the gaps? o Whether Student Induction Program (SIP) has addressed such gaps? o Their satisfaction towards the practices are to be followed during their stay? o Whom to approach, what practices are to adapt, interacting with seniors students made any difference? (ii) Teacher's feedback is being discussed in the academic council meetings, which held every fortnight that resulted to introduce the practice of consulting industry resource persons on focused areas. Some of the improvements on these lines are.. o Whether research facilities are sufficient for the faculty? o Whether Library/digital resources / Lab facilities are adequate for their programmes / courses? o Whether the faculty are comfortable in carrying teaching load / overload? o Purchase procedures for the equipment - are they cumbersome/comfortable? o Whether they are happy about the performance based incentives? (iii) Alumni feedback The alumni cell responsibility is to disseminate the feedback that was collected every year with the juniors and sub-juniors during their alumni programmes (a) Alumni Cell is also solicit feedback regularly at their annual meets. (b) There is also an alumni representative group - TWO alumni from every batch represent their batch in this group as representatives and provide feedback regularly on all alumni activities. (c) Two of the alumni students were representing our Governing Council (Statutory body) and they actively participate in all important decisions of the institute as an observers. (f) Several alumni were also involved with the Centre for Innovations Entrepreneurship (CIE) and startups to mentor the new aspirants. (iv) Employer's feedback: Placements cell is collecting the regular feedback from the employers thereby their required skillsets, programs were communicated through Placement Coordinators (PCs) during the placements. Some of the areas that we are able to focus are... o Whether our students are able to understand the complex engineering problems and apply their critical thinking and problem



solving skills? o Whether they have ability to collaborate with others and work in teams and group projects? o Their ability in different aspects of project management in the organization o How the employer's feel about our students on various aspects - communication skills, attitude, behaviour etc., (v) Parent's feedback: Communications cell at IIIT Hyderabad is regularly interacting with the parents. It resulted to improve on the following areas o Whether our campus has congenial environment in the hostels rooms? o How their children are feeling and when they are on the campus, their satisfaction towards security arrangements at the Institute? o Whether they are comfortable with the local mentoring system? o Whether they are happy with the guidance and counselling cell and Dispensary (Health) facilities etc.,? At the end, parents are very happy about their wards performance at Institution.

## 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
BTech	Computer Science and Engineering	30	5879	30
BTech	Electronics and Communication Engineering	25	745	25
BTech	Computational Natural Sciences	15	169	15
BTech	Computational Linguistics	15	261	15
BTech	Computer Science and Engineering	25	220	15

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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
2018	565	260	Nil	Nil	86

### 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

78	78	3	25	1	2
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

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

(a) Students mentoring system in Academic environment - Student's Help Cell (SHC) IIIT Hyderabad has set up Student's Help Cell (SHC) for the Undergraduate (UG) subjects to extend support to UG1 students who are struggling in their courses. Generally, those who don't cross some thresholds are terminated/asked to repeat/take lighter load, etc. So, the Student's Help Cell makes pre-emptive attempts in order to enable the students to get out of any such situation. Immediately after each semester, the academic performance of the students is reviewed. In cases when the academic performance of some students in some courses indicates that they are struggling with learning the concepts of foundational courses, these Help Cells address the difficulties and problems of such students. The senior students have volunteered to run these Help Cells. The Help Cells conduct remedial classes for four subjects every day (Monday-Friday), in specific duration. The struggling students are strongly advised and directed to make the best use of these help cells available to reset the course of their academics on the right path. All the volunteers are rostered for the help cells, can be changed based on the junior's feedback. An announcement will be sent to the students about these help cells well in advance. (b) Students mentoring system in non-academic environment - Apex body Students are always distanced from their homes and sometimes due to the academic assignments may feel inertia. To overcome from such nostalgic syndrome, a team of fellow senior students are constantly in touch with the juniors and lend their hands to excel student life on the campus. Unlike the schooling system, when it comes to the higher education, students are yet to learn their new world of education system for which the guidance is required from the senior students. Especially, the students from rural areas in various states, UTs are very new to the city culture and campus environment. To lend them a handhold support, senior students along with the teaching faculty and administrative staff have formed a group called Apex Body. The body ushers the students starting from their concerns on registration to admission process while joining the Institute. Before joining the campus, at least a month before several what'sapp groups and through social media network, senior students will meet the joiners to create awareness on campus activities. Immediately after the students join the Institution, a mentoring group of senior students continuously lends their hands towards juniors on various aspects viz., creating awareness on dangers of ragging, hostel facilities, cleanliness, mess / canteen facilities, sports, and yoga programs etc. This will create harmony among the new joiners and clear all their apprehensions and involving seniors has a merit in overcoming from the scary syndrome. An induction kit that illustrates about academic programs, course work, student clubs will be handed over to the new students and this Induction Kit helps as a ready reckoner to all the new students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1721	84	1 : 20

**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
4	4	Nil	4	4

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
2018	Dr. Anoop Namboodri	Associate Professor	Won the Best Paper Award (Silver) for his work on Semi-Adversarial

			Networks: Convolutional Autoencoders for Imparting Privacy to Face Image
2018	Prof. Vasudeva Varma	Professor	Chaired the combined committee for curriculum for Polytechnic (Diploma) in Computer Science and IT. He has been renominated for CAG's Audit Advisory Board for the state of Telangana for the period 2017-19
2018	Dr. Vineet Gandhi	Assistant Professor	Received patent rights for his work - System and Method for Automatically Generating Split Screen for a Video of a Dynamic Scene.
2018	Dr. Ashok Kumar Das	Associate Professor	Promoted to Institute of Electrical and Electronics Engineers (IEEE) Senior Member
2018	Prof. Vishal Garg	Professor	Received the Arthur H Rosenfeld Urban Cooling Award from the Global Cool Cities Alliance in California, USA.

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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
BTech	CSE	Monsoon 2018	17/11/2018	06/12/2018
BTech	ECE	Monsoon 2018	17/11/2018	06/12/2018
Mtech	CSE	Monsoon 2018	17/11/2018	06/12/2018
BTech	CSE	Spring 2019	20/04/2019	09/05/2018
BTech	ECE	Spring 2019	20/04/2019	09/05/2019

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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
53	2400	2.3

## 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.iiit.ac.in/academics/>

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
00	Mtech	CSE, CSIS, VLSI, CASE, Bioinformatics	105	105	100
00	BTech	CSE, ECE	132	132	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)

[http://intranet.iiit.ac.in/offices/static/files/SSS\\_Results-UG%26PG-16th August 2019.pdf](http://intranet.iiit.ac.in/offices/static/files/SSS_Results-UG%26PG-16th August 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
International	Prof C V Jawahar	Facebooks unrestricted grant	Nil	Facebook
International	Prof Vasudeva Varma	Adobe Systems Incorporation - Unrestricted grant	Nil	Adobe Systems

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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
Inspire Fellowship under Inspire program	1826	Department of Science Technology (DST)

Junior Research Fellow	1826	BINC, Council of Scientific Industrial Research (CSIR)
Junior Research Fellow	1826	BINC CSIR
Junior Research Fellow	1095	CSIR
Amazon Alexa Fellowship	365	AMAZON
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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
Minor Projects	1095	Science and engineering research board(SERB),DST	660000	220000
Minor Projects	1095	Science and engineering research board(SERB),DST	660000	220000
Minor Projects	1095	Science and engineering research board(SERB),DST	660000	220000
Major Projects	1095	Science and engineering research board(SERB),DST	250004	1468000
Industry sponsored Projects	365	Cognitive scale software India Pvt ltd	168000	840000
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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
UTSAH Meetup on Technology in Lifesciences	Centre for Innovation and Entrepreneur ship (CIE), IIIT Hyderabad	02/06/2018
Headstart Startup Saturday on Healthcare and Fitness	Centre for Innovation and Entrepreneur ship	09/06/2018
Fintech Masterclass	Centre for Innovation and Entrepreneur ship	16/06/2018
Idea Opportunity Validation Bootcamp	Centre for Innovation and Entrepreneur ship	17/06/2018
Roadshow in Mumbai on Avishkar and Medtech Accelerator programmes	Centre for Innovation and Entrepreneur ship	23/09/2018

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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
Scoobla Technology Pvt Ltd	Rupam Gupta	Avishkar	19/08/2018	Innovation
Radiate Healthcare Innovations Pvt Ltd	Abhishek	Avishkar	05/08/2018	Innovation
Speckle Internet Solutions Pvt Ltd	Mukesh	CIE-IIIT	09/07/2018	Innovation
Mashinga Tech Pvt Ltd	Nijil	Avishkar	Nil	Innovation
Praesus Technologies Pvt Ltd	Shamik Guha	OJAS MedTech BioNEST	14/11/2018	Innovation

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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
Centre for Innovation and Entrepreneurship (CIE), IIIT Hyderabad	Dr. Shibic hakravarthy Kannan	Centre for Innovation and Entrepreneurship (CIE), IIIT Hyderabad	Theranosis Life Sciences Pvt Ltd	A personalized medicine startup with a focus on cancer diagnostics	24/09/2018
Centre for Innovation and Entrepreneurship (CIE), IIIT Hyderabad	Ramesh Durairaj	Centre for Innovation and Entrepreneurship (CIE), IIIT Hyderabad	Neubay, Inc	Neubay is a full-stack AI company enabling Enterprises to make decisions under uncertainty using its patented NeuroBayesian AI technology	25/09/2018
Centre for Innovation and Entrepreneurship (CIE), IIIT Hyderabad	Chandana Mallu	Centre for Innovation and Entrepreneurship (CIE), IIIT Hyderabad	Nourishwel	Aggregated platform enabling online consultation with nutritionists.	23/10/2018

Centre for Innovation and Entrepreneurship (CIE), IIIT Hyderabad	T N SUHAS TEJASKANDA	Centre for Innovation and Entrepreneurship (CIE), IIIT Hyderabad	SUTE TECHNOLOGIES Pvt Ltd	A kind in toilet automations and luxury living. The amazing products are completely touch less and intelligent in hygiene and ergonomics. It provides unique portable toilets for community use which are automated and 100 eco friendly.	23/10/2018
Centre for Innovation and Entrepreneurship (CIE), IIIT Hyderabad	K SRIHARSHA VARDHAN	NIDHI PRAYAS	ZERO AUTOMOTIVE	Electric Vehicle Startup	17/11/2018
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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
Computer Science and Engineering	3
Electronics and Communication Engineering	7
Bioinformatics	1
Computational Natural Sciences	2
Cognitive Science	1
Building Science	1
Power Systems	1
Spatial Informatics	1

#### 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	CSE	140	0
International	ECE	80	0
National	CCNSB	40	0

International	Computational Linguistics	15	0
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Computer Science and Engineering	3
<a href="#">View File</a>	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
System and method for real time traffic management in single lane roads	Filed	201741046522	Nil
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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
City-Scale Road Audit System using Deep Learning	Jawahar C V	IEEE International Conference on Intelligent Robots and Systems	2018	1	IIIT Hyderabad	1
Analysis of Beam Wander and Pointing Error on Laser Beam Propagation through Atmosphere	Azeemuddin Syed	Asia Communication and Photonics Conference , ACP	2019	2	IIIT Hyderabad	2
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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
Wavelength Selection to Predict Crude	Chaturvedi N., Purini S., Azeemuddin	Asia Communication and Photonics Conference	2018	28	16	IIIT Hyderabad



Protein in Sorghum using PLSR	S., Kalyana M., Rao K.S.	, ACP				
Analysis of Beam Wander and Pointing Error on Laser Beam Propagation through Atmosphere	Basak S., Azeemuddin S., Nayak J.	Asia Communications and Photonics Conference, ACP	2018	28	18	IIIT Hyderabad
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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	2	11	Nil	2
Presented papers	51	44	5	4
Resource persons	9	218	9	2
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### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Robotics Research Centre (RRC)	Autonomous urban exploration	Rockwell collins Inc., USA	2300000
Language Technologies Research Centre (LTRC)	Document classification and information extraction from clinical trial data	Novartis healthcare p ltd	4000000
Lab for Spatial Informatics (LSI) / Centre for Visual Information Technology (CVIT)	Road extraction and centerline identification	Cyient Limited	1500000
Machine Learning Lab	Explainable and Robust models for AI	Cognitive scale software India Pvt ltd	1680000
Centre for Visual Information Technology (CVIT)	Vision and learning with limited to ND supervision: Applications to autonomous navigator to beyond	Intel Technology India p ltd	9200000
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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
TalentSprint	Artificial Intelligence and Machine Learning (AIM) Batch - 03	Industry	15514984	213
TalentSprint	Artificial Intelligence and Machine Learning (AIM) Batch - 03	Industry	7114800	103
TalentSprint	Artificial Intelligence and Machine Learning (AIM) Batch - 03	Industry	13047605	179
TalentSprint	Artificial Intelligence and Machine Learning (AIM) Batch - 03	Industry	3057005.02	73
TalentSprint	Artificial Intelligence and Machine Learning (AIM) Batch - 03	Industry	17025659	238

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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
Volunteer Cleaning - Shubra Hyderabad	NSS-IIIT Hyderabad	2	20
Clothes Donation Drive	NSS-IIIT Hyderabad	2	20
Tree Plantation with Freshers 2018	NSS-IIIT Hyderabad	2	20
Tree Plantation	NSS-IIIT Hyderabad	2	20
Blood Donation Camp	NSS-IIIT Hyderabad	2	60

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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
N.A.	N.A.	N.A.	Nil
<a href="#">View File</a>			

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
National Service Scheme (NSS)	NSS-IIIT Hyderabad Shubra Hyderabad	Volunteer Cleaning - Shubra Hyderabad	2	20
National Service Scheme (NSS)	NSS-IIIT Hyderabad Greater Hyderabad Municipal Corporation (GHMC)	Planet Tree Protection with Greater Hyderabad Municipal Corporation (GHMC)	2	25
National Service Scheme (NSS)	NSS-IIIT Hyderabad	World Aids Day	2	23
National Service Scheme (NSS)	NSS-IIIT Hyderabad	World Human Rights Day	2	30
National Service Scheme (NSS)	NSS-IIIT Hyderabad	World Environment Day	2	25
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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
Workshop on Impact on Revised Provisions of S1893 (1): 2016 on Earthquake Resistant Design of Buildings	"Rupen Goswami, IIT Madras R. Pradeep Kumar, IIIT Hyderabad Sunitha Palissery, IIIT Hyderabad and Professionals from civil and structural design practice, architects, builders & developers, policy makers from government agencies and academics"	Earthquake Engineering Research Centre, IIIT-H	1
Young Female	Preethi Jyothi	NSF, Apple,	1

Researchers in Speech Science Technology (YFRSW)	(IIT Bombay), Odette Scharenborg (Delft University of Technology) and Heidi Christensen (University of Sheffield)	Google	
IEEE WHISPERS 2018 - Workshop on Hyperspectral Image and Signal Processing: Evolution of Remote Sensing	Dr. Rama Chandra Prasad P (Spatial Informatics and Remote Sensing)	IEEE	4
Lighting Simulation for Enhanced Visual Comfort and Energy Efficiency	Prof. Vishal Garg of Building Science Research Centre - Workshop on Lighting Simulation for Enhanced Visual Comfort and Energy Efficiency	Center for Building Science (CBS), IIIT-H	2
Residential Building Energy Demand Reduction in India (RESIDE)	Prof. Vishal Garg - Workshop on Residential Building Energy Demand Reduction in India (RESIDE)	Center for Building Science (CBS), IIIT-H	1
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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
Computer Vision and Image Processing	Capacity and Intrinsic Dimensionality of Image Representations	Dr. Vishnu Boddeti, Computer Science Department, Michigan State University	10/08/2018	10/12/2018	Internal Students and faculty
Speech Technologies	Prosodic prominence in speech production and perception	Prof. Jennifer Cole, Department of Linguistics, Northwestern University	03/09/2018	03/09/2018	Internal Students and faculty

Machine Learning	Automated Scoring of non-native writer essays for language proficiency - Some observation	Dr. Sowmya Vajjala, Data Scientist at AbacusNext, Toronto, Canada	05/07/2018	05/07/2018	Internal Students and faculty
Innovation	Mytrah Talks	Sonam Wangchuk	16/10/2018	16/10/2018	Sonam Wangchuk, Internal Students and faculty (around 200 number of participants)
Security Theory	Assistant Professor in the Department of Computer Science and Engineering at the Indian Institute of Information Technology Design and Manufacturing Kurnool	Dr Biswajit R Bhowmik Assistant Professor in the Department of Computer Science and Engineering at the Indian Institute of Information Technology Design and Manufacturing Kurnool	10/01/2019	10/01/2019	Internal Students and faculty
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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
The University of Aizu, Japan	09/06/2018	IIIT, Hyderabad and The University of Aizu, Japan in pursuit of promoting closer ties and greater understanding, and recognizing the mutual benefits that may be derived from a program of cooperation in higher education and science and	5

		technology.	
Information Technology, Electronics and Communication Dept., (ITEC Dept), Govt. of Telangana	03/08/2018	1. Partner with Telangana - in identifying various use cases, on protocol development, incubation, acceleration and other related programs to achieve the vision of making India, and specifically Telangana, a Blockchain hub. 2. Any other area relate	Nil
Tata Consultancy Services (TCS) Foundation	25/09/2018	IIIT Hyderabad in July 2015 had laid the foundation of Kohli Center on Intelligent Systems (KCIS), a 60,000 sq.ft facility at their campus named after Dr. F.C. Kohli. KCIS will act as an umbrella. The organization at the institute to both strengthen	109
Airports Authority of India (AAI)	01/02/2019	The objective of this MoU is to develop a long term collaboration, wherein parties agree to work together to arrive at mutually beneficial solutions for respective problem statements, Air Navigation Services/Airport related research and development a	2
Yonsei University, Seoul, Korea	11/02/2019	Yonsei University and IIIT, Hyderabad intend to form a strategic partnership to develop a collaborative arrangement,	Nil

whereby the Institutions may participate in collaborative research, training and other agreed activities that further enhance the pro

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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
86413000	63073000

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added

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### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
LIBSYS	Fully	10	2003

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	30453	8873000	1624	815000	32077	9688000
Reference Books	2448	7547000	53	268000	2501	7815000

e-Books	3951	5063000	6255	66000	10206	5129000
Journals	61	4423800	Nil	830300	61	5254100
Journals	5055	Nil	4	Nil	5059	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
Dr Vikram Pudi	Advanced Programming Languages (APL) Lectures	Virtual Labs	08/08/2018
Dr Aniket Alam	Structuralism	Online lectures	26/09/2018
Prof Ramesh Loganathan	Centre for Innovation Entrepreneurship (CIE) Talks	YouTube	01/07/2018
Dr Suresh Purini	Computer Programming	Learning Management System	02/07/2018
Prof Venkatesh Choppella	Principles of Programming Languages (PoPL)	Virtual Labs	07/08/2018
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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	1450	21	1	22	18	1	20	1	1
Added	140	2	0	0	0	0	0	0	0
Total	1590	23	1	22	18	1	20	1	1

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

1.02 MBPS/ GBPS
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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
Digital Class Room	<a href="https://www.vlab.co.in/participating-institute-iiit-hyderabad">https://www.vlab.co.in/participating-institute-iiit-hyderabad</a>
Moodle	<a href="https://courses.iiit.ac.in/">https://courses.iiit.ac.in/</a>
NPTEL-Structural Dynamics	<a href="https://nptel.ac.in/courses/105/106/105106151/">https://nptel.ac.in/courses/105/106/105106151/</a>



#### 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
50167714	50167714	147960836	147960836

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)

1. Campus Environment: IIIT Hyderabad is an academic and research institute. Students are expected to maintain sanctity of the campus and should not indulge into anything that vitiates the academic and research environment. 2. Carry of Identity Cards: All the Students in the Campus have to carry their Identity Cards and they must be in a position to show the same to the Authorities on demand. 3. Movement Register at Main Gate: The Students while leaving/entering the campus have to register their movement at main gate by swiping their ID Card/finger print. 4. Cooperate with Security Personnel: All the students should co-operate with security personnel at all times. Any violation/ mis-behavior by the students with security will be viewed seriously. 5. Vehicle Free Zones: There are many vehicle free zones in the campus. Students are required to maintain sanctity of these zones. In case they want to move heavy goods or take handicapped persons in these areas, should approach nearest security post (main gate, hostel entry, etc) for help. 6. Vehicle pass: Institute discourages students to keep personal motorized vehicles during their stay in the campus. However, in case of some special circumstances, students may be allowed to keep vehicles by taking permission from the general administration. 7. Entry restrictions at hostels: Visitors are not allowed to enter into hostel blocks directly. They need to contact the hostel security for permission, and wait at visitors lounge till the concerned student come and take them inside. 8. Protection of personal devices/gadgets: Students are responsible for the safety of their personal devices/gadgets. Institute does not take any responsibility for this. 9. Adherence to the Laws of the Land: Students are expected to adhere to all the laws of the land. Other support facilities related guidelines are placed on the intranet for dissemination among the students, such as Academic Regulations [http://intranet.iiit.ac.in/offices/static/files/GeneralAcademicGuidelies\\_UG\\_PG.pdf](http://intranet.iiit.ac.in/offices/static/files/GeneralAcademicGuidelies_UG_PG.pdf) Students Academic Leave Rules [http://intranet.iiit.ac.in/offices/static/files/Leave\\_Rules\\_for\\_Students.pdf](http://intranet.iiit.ac.in/offices/static/files/Leave_Rules_for_Students.pdf) Library Policy [http://intranet.iiit.ac.in/offices/static/files/Library\\_Book\\_Issue\\_and\\_Return\\_PolcyNew.pdf](http://intranet.iiit.ac.in/offices/static/files/Library_Book_Issue_and_Return_PolcyNew.pdf) IT Wing Policies on use of computers, labs, wifi, internet etc - [http://intranet.iiit.ac.in/offices/default/offices\\_x?officeITServicesOffice](http://intranet.iiit.ac.in/offices/default/offices_x?officeITServicesOffice) Sports Credits policy - [http://intranet.iiit.ac.in/offices/static/files/Sports\\_Credit\\_Policy-July2018-Final.pdf](http://intranet.iiit.ac.in/offices/static/files/Sports_Credit_Policy-July2018-Final.pdf)

<https://www.iiit.ac.in/about/infrastructure/>

#### 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	Teaching Assistantship and	1297	23846213

	<b>Research Assistantship</b>		
<b>Financial Support from Other Sources</b>			
a) National	CSIR, DBT, DST, UGC, INSPIRE, IRCAS and Viswveswaraya Financial support	41	2283043
b) International	TCS, Google, Huawei, Qualcomm, Amazon, Ripple and KCIS	14	454000
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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 implemetation	Number of students enrolled	Agencies involved
IIIT Hyd Literary Club	28/09/2018	20	2
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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
2018	ICPC	40	85	40	15
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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
3	3	15

## 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
(1) Adobe Inc. (2) AlphaGrep (3) Amazon	289	189	N.A.	82	82
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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
2018	1	B.Tech	CSE	Carnegie Mellon University	Master of Science in Robotic Systems Development (MRSD)
2018	1	B.Tech	CSE	Arizona State University	Masters in Computer Science
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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	35
GMAT	60
GRE	85
TOFEL	40
Civil Services	3
Any Other	40
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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
CBIT Tournament - 2018, Hyderabad	National (Inter-College)	56
MLRIT Tournament - 2018, Hyderabad	Inter Collegiate	62
CMR Tournament - 2018, Hyderabad	Inter Collegiate	16
BITS Pilani Tournament - 2019, Hyderabad	Inter Collegiate	16
MEC Tournament - 2019, Hyderabad	Inter Collegiate	38
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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
2018	Inter College Football	National	1	1	2018201080	Shubhik Pokhriyal (M.Tech)

Tournament (Cash Prize INR 8,000)					
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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)

At IIIT Hyderabad, Students Parliament is in place of Students Council. The Students' Parliament has its origins spanning back to the early 2000s and is one of the oldest Student bodies of the institute. This body has been the representation of the larger student community to the college administration. Time and again the Students' Parliament has also come up with various initiatives to ease the life of students on campus as well as worked with the college management to improve facilities provided to students. The Parliament has also been instrumental in coordinating with and assisting other student bodies on campus. The Student Parliament consists of students representing each batch in college. In general there is one representative for every 50 students in the batch (referred to as a constituency). The representatives to the Students' Parliament are elected each year through an online voting system (IMS). The representatives then elect the General Secretary and the Speaker. The General Secretary (often with the advice of the Speaker) then nominates some representatives from the members to act as Secretaries (like the Hostel Secretary, Mess Secretary, etc.). The elected representatives then meet once every week or fortnight and hold discussions pertaining to a myriad of student issues. At the end of each tenure, the Parliament (generally) also prepares an Annual Report highlighting the activities and initiatives taken up by the body. Key excerpts from this annual report are then read out by the General Secretary in the Independence Day address to the students. Some of the representations are...

1. Students organize activities viz., the periodical meetings of Faculty Committees i.e. Cultural Committee, Campus Life Committee, Clubs associated with Students, NSS-IIIT Hyderabad, Sports and Yoga Committee, etc where the planning of Non-Academic/Extra and Co-curricular activities pertaining to student's life will be done.
2. Student's coordinate the Cultural Exchange activities of external organizations like SPIC MACAY, Sanskriti Foundation. Student's invite renowned speakers from diverse fields across universities, and organizations during UG/PG-1 Students Induction Program in conducting their collaborated events within the campus.
3. Students were also taking active part in various committees viz., Campus Security Committee, Gender Sensitization Cell, Gender Grievance Cell, Campus Beautification Committee etc.,
4. An Online Mess portal is in place for students to register to avail their food. It is completely designed and maintained by IIIT H students. Registrations for meals are made through a centralized mess portal <http://mess.iiit.ac.in>. There are four messes available in the campus (a) South mess - serves south Indian food (b) Kadamba mess - serves both veg and non-veg menu (c) Yuktahar mess - serves simple healthy food (d) North mess - serves north Indian food. Institute messes follow two menus, Spring and Monsoon Menu which will be prepared by elected student body and mess admin staff.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

Established in 2013 by the joint efforts of faculty and students of IIIT-H, a network which aims at strengthening the bond of alumni with the current scholars, faculty and the campus. The body now runs with the support of alumni all across the globe. Dynamically changing and rapidly growing, the community

has brought diverse transformations for the community and anticipates in manifold its attempts with time. Objectives: The mission of Alumni Association is to provide a platform to connect the alumni and the alma mater in a synergetic relationship: To engage the alumni to proffer supervision to lead the organization forward To ensure the institute's core values and missions. To provide an environment for fund raising activities. To launch initiatives for inter and intra-networking among the alumni and the alma mater. Institutional brand building. To connect and celebrate the achievements of the alumni, faculty, staff and students Provide active support and guidance through mentorship programs.

5.4.2 – No. of registered Alumni:

2582

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

338289

5.4.4 – Meetings/activities organized by Alumni Association :

7

## **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)

(A) Decentralization Practice 1: Financial Powers Decentralization For day-to-day operations, about 20 administrative wings are responsible for functioning. Each wing has a Head and a faculty In-charge as a Chair. Each administrative Head prepares annual budgets in consultation with the faculty in-charge for seeking approvals. The finance powers are delegated to a three level (3 level) hierarchy, listed below. Level 1 authority: Wardens, Lab Coordinators and Select Centre Heads can be the signing authority amount upto INR 1.5 lakhs maximum. Level 2 authority: Committee Chairs, Programme Coordinators can sign when the expenditure is upto INR 5 lakhs (maximum) Level 3 approval authorities: Dean (Academics), Dean (RD), Faculty Chair (Students) and the Director through the Registrar. Decentralization Practice 2: Purchase Policy Decentralization o Petty Items: INR 30,000 (Level 1 Chair) Single Quotation Vendor (Any), Purchased by the Administrative Head. o Low Value items: Maximum INR 1,50,000 (Level 1 Committee), at least three Quotations o Medium Value items: Maximum INR 3,00,000 (Level 2 Chair), at least three Quotations o Medium Value items: Maximum INR 5,00,000 (Level 2 Committee), at least three Quotations o High Value items: Maximum INR 10,00,000 (Deans), Minimum, three Quotations o High Value items: More than INR 10,00,000 (Director along with committee) based on Open Tenders and Expression of Interest (EoI) from the Vendors. For day-to-day operations, the Registrar is the overall In-charge of smooth functioning activities on the campus. (B) Participative Management - Practice 1 o Both, faculty and students involved in designing the Institute's policy matters and it's implementation. o Regular interactions takes place through internal meetings among the faculty, staff and student bodies. o Director conducts every month, a faculty meeting to discuss academics, research, outreach matters and overall campus activities. Here, each faculty member has an opportunity to share their ideas. Dean (Academics) monitors the ongoing academic activities through the semester. o Dean (RnD) conducts monthly review meetings to deliberate on status of sponsored and consultancy projects etc., o Chair's [Student Life Committee (SLC) Student's Affairs Committee (SAC)] convenes review meetings with the Student Parliament Coordinators. Participative Management - Practice 2 o Academic functions are decentralized

i.e., each program has a program coordinator. o The program coordinators will touchbase their faculty members (internally) to achieve academic progress. o The students regularly meet up with the Programme Coordinator's and faculty members for clearing their academic queries. o The Registrar meets all the administrative heads once in a month. All these meetings provide a variety of ideas which will assure easy mechanism in terms of how the decisions are formulated and implemented.

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
Human Resource Management	<ul style="list-style-type: none"> <li>• To create a conducive environment to the faculty, orientation sessions were organized whenever the gaps were identified in the process, necessary trainings were also conducted.</li> <li>• Designing the steps for faculty promotions and, appraisal forms are improvising.</li> <li>• Recruiting faculty from diverse backgrounds for encouraging the inter-disciplinary courses and, to inculcate the industry demands in the academic curriculum viz., entrepreneurship and innovations.</li> <li>• Budgets were augmented for faculty relocation reimbursement, housing and emergency medical facilities</li> <li>• Responsible for issue of timely offer letters to all the incumbents across the Institute is smooth</li> <li>• Taking care of timely renewal of contracts of all incumbents and interim communications will be sending on policy-related changes, rules and areas impacting individual well-being.</li> </ul>
Library, ICT and Physical Infrastructure / Instrumentation	<p>Infrastructure: The Institute has well-equipped, air-conditioned computer laboratories allocated batch-wise to the students and contain the latest hardware and software. The average PC-to-student ratio is 1:1. All computers are part of an intranet which connects all buildings, including the hostels round the clock. Researchers have 24 hours access to the computational facilities. The students manage and maintain their own computer systems. Research centers provide specialized, high-end equipment, as needed in research and development projects. The IIIT Hyderabad's Library is the heart of the Academic and Research Programmes of the Institute. All students, faculty</p>



members and employees of the Institute are entitled to make use of the Library facilities on taking the library membership. The Library is having a rich collection of books, Reference Books , Theses and Dissertations and Back volumes of periodicals. The Library subscribes to various National / International Print Journals and popular magazines, and also subscribing e-Journals. Library is Automated and enabled with RFID technology by using LIBSYS10 software, which is an integrated multi-user library management system that supports all in-house operation of the library. It consists of modules on acquisition, cataloguing, circulation, serials and Web OPAC. Institute Management Software: An Enterprise Resource Planning software for Automation namely, Integrated Management System (IMS) was in pilot stages. This ONLINE portal will help to streamline internal functions of employees.

Curriculum Development

Our high quality B.Tech programmes in Computer Science Engineering (CSE) and Electronics Communication Engineering (ECE), and innovative curriculum allows students flexibility in selecting courses and undertaking research projects. IIITH's trans-disciplinary programmes effectively combine Computer Science with other domains such as Computational Natural Sciences, Computational Linguistics and Humanities. Our Master's programmes include both technology and domain areas and Dual-Degree programmes as well as Master's and Ph.D programmes have produced research-oriented individuals highly sought after by both academia and industry. These unique qualities of our institution are well recognized among the students and plan to continue this curriculum design strategy for the coming years.

Admission of Students

IIIT Hyderabad believes that any institute should have multiple ways to promote diversity of various kinds including KVPY/ Olympiad and SPEC etc., to different programs. There is a need to have multiple types of catchment to rank students in their own streams independently. IIIT Hyderabad has several admission options to its B.Tech programs and will continue to expand

	<p>them in coming years.</p>
<p>Examination and Evaluation</p>	<p>IIIT, Hyderabad follows a grade assignment scheme for evaluating a student's performance in a course. The total mark secured by a student in a course is mapped to a grade. There are five grades that reflect performance and are used in computation of grade point average (GPA): A grade is awarded to a student in a course for which he/she is registered, will be based on his/her performance in different forms of evaluation (such as, examinations, labs, projects, quizzes, assignments) in the course. Each course is required to have a mid-semester exam and a final exam. For a course taken under PCO, the instructor has to place a minimum grade requirement i.e., C and above for getting a (P) pass grade in the course. In exceptional cases wherein a student could not complete all the requirements (for reasons such as, medical problem or equipment breakdown) for securing a grade in the course, an (I) incomplete grade can be given. An incomplete grade has to be changed to a proper letter grade (A(-), B(-), C(-), D, and F) before the end of the next semester. Otherwise, it will default to a (F) fail grade.</p>
<p>Research and Development</p>	<p>IIITH is structured around research centers and labs unlike the conventional departments. Each research centre focuses on a broad problem area and brings together experts from varied backgrounds (industry, government, academia and social sectors) to conduct research and development on specific problem areas i.e., constantly pushing the boundaries of research to a higher level. The research centers, laboratories and domain centers utilise technologies in diverse disciplines to find innovative solutions to challenges faced by the society. We are laying focus on Applied Research in several areas where technology can help population-scale problems of the society. Special attention is on the use of Computing and AI for problems in healthcare, intelligent transportation, school education, etc. We are creating models within the institution to enable translational research that impacts the society, beyond the usual tech-transfer, start-up incubation, etc. We</p>



would like to be recognized among the very top global institutions in several areas of our research focus. The intense focus on research helps our B.Tech programs to stand out as demonstrated by the impact our alumni have had in academic and industrial research groups as well as in product companies.

Teaching and Learning

At IIITH, attracting enthusiastic and dedicated individuals from the world over as faculty members is a continuous endeavour. As a result, we have faculty members with Ph.D. from best Indian institutions like the IITs and IISc as well as the top global institutions like CMU, Cornell, Princeton, INRIA, University of Tokyo, and others. Faculty are given the flexibility in teaching to concentrate more on research, which creates a unique environment highly conducive to research. IIITH benefits immensely from subject matter from industry experts for both teaching and research areas in their association with the institute as Adjunct Faculty. We encourage faculty and students to undertake research exchange programs to promote our research excellence across the globe.

Industry Interaction / Collaboration

IIITH is a unique institutional model with high academic vision outside of the government. Globally, Industry-Research connect is quite low. IIITH would like to bridge the gap as research to companies is extremely beneficial. Research can be used by companies of different sectors like Tech companies, Banks, PSUs, Start-ups, etc to build on the following areas:  
 Advisory - Research can help validate a companys solution approach or tech/product roadmap to a specific problem  
 Co-innovation- Research helps to jointly create products/ solutions.  
 Prototype development - Solutions and products can be developed using emerging research in domain specific areas  
 Subject matter expertise - Companies looking for complimentary subject matter expertise and domain specific subject matter can engage with research.  
 Support - Support/ Resources for Project Based Research can be provided by Research.

E-governance area	Details
<p style="text-align: center;">Examination</p>	<p>IIIT, Hyderabad has a policy of continuous evaluation for students through conducting various quizzes, assignments, project work and examinations for a course. It is required that each course must have at least one mid-semester examination, and a final examination. Immediate after the semester both, Mid-semester and End-semester examination related collaterals are being uploaded on the Integrated Management System (IMS) portal for accountability and transparency. Both, Mid-semester and end semester examinations grades and evaluation sheets were uploaded on Moodle (ONLINE) platform.</p>
<p style="text-align: center;">Planning and Development</p>	<p>The campus is trying to make information available to students and staff - especially with the recently introduced Integrated Management System (IMS). Apart from this, Intranet and the Institute website is providing timely updates. Here, the objective is to disseminate the information. Since the Institute's focus is on use of Information and Communication Technologies (ICTs), all the stakeholders are passionate on using the advanced technologies. The information reaches to the campus rapidly so that the best practices followed within the Institute are known to others. Such initiatives are being replicated by the other departments in their day-to-day operations.</p>
<p style="text-align: center;">Administration</p>	<p>The Institute maintains a three-tier approach in terms of administrative matters and operations. The first and top layer, Governing Council takes the policy decisions and delegates to the Executive Members (2nd layer). The GC consists of academic, industry and government representation, meets - twice in a year. The executive members are responsible to implement the policies on the campus. The executive members will act as a bridge between the 1st and 3rd layer of operation heads. The third layer is actual operational team (line operations) and constantly touchbase with the executive committee (staff operations) for seeking guidance and suggestions. The mix of such top-down and bottom-up</p>

	<p>approach has resulted into achieve successful implementation of policies pertaining to both academic and non-academic matters on the campus.</p>
Finance and Accounts	<p>Before the academic year starts, each department is providing their proposed budgets in the Integrated Management System (IMS) Portal. The proposed budgets are categorized into three brackets i.e., Budgets less than (a) INR 1.5 lakhs (b) INR 1.5 to Rs.5 lakhs and (C) INR 5 to Rs.10 lakhs by giving an appropriate authority to approve the budgets while incurring the expenditure. The finance committee and the Director is authorized to approve the budgets more than Rs.10 lakhs. The entire revenue and expenditure reflecting on Ledger, Cash Book, Bank Book, Profit and Loss statements including Balance Sheet are being uploaded and maintained on the IMS (ONLINE) portal.</p>
Student Admission and Support	<p>Integrated Management System (IMS) is a state-of-art integrated platform where several departments of the Institution effectively use their day-to-day functions. The portal has customized applications where the end-user will actively perform his / her roles in the academic and administration processes i.e., provision is available to add / insert additional modules as and when required. The students belong to Undergraduate, Post-Graduate, Dual Degree and Ph.D. admissions (DASA, Olympiad, JEE etc) are made operational ONLINE. A dedicated student support service (SSS) channel is also being implemented to address the students queries timely.</p>

### 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
2018	Kavita Vemuri	Osa Vision 2018	N.A.	Nil
2018	Deva Priyakumar U	22nd International Annual Symposium On	N.A.	Nil

Computational  
Science And  
Engineering  
(anscse22)

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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)
2018	Consultation On Higher Education	n.a.	16/08/2018	16/08/2018	10	Nil

[View File](#)

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 Student Induction of AICTE-Human Values May 2018.	200	30/05/2018	03/06/2019	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
5	5	6	6

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Faculty Quarter Rentals on nominal basis, enhancement of Gratuity limit	Mediclaim, Education Loan, Gratuity and Emergency Medical Support	Group Insurance, Scholarships and financial support for purchasing laptops and admission fee loans guarantee by Institute Dispensary Unit and dedicated ambulance service 24/7 and, Alumni support on tuition fee for deserving students etc.,

## 6.4 – Financial Management and Resource Mobilization

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

Every year, two phases of audit takes place in the Institute - (a) Internal Audit (b) External Audit. I. Internal audit o The role of internal audit is to provide independent assurance that our organisation's risk management, governance and internal processes are operating effectively. It gives us further suggestions to improve the financial security at all levels. o Our Governing Council approves to identify and appoint an authorized audit agency for this exercise. o All the reports will be circulated to the senior management within the organization structure. o All categories of risks and suggestive measures are highlighted to strengthen the day-to-day activities. o It gives us a basic ground to conduct the external audit, further. The Scope of audit is on the lines of... 1. Opening Balance verification 2. Tuition fee reconciliation including Hostel, Electricity, water and Mess fee etc., 3. MS by Research, Ph. D tuition fee reconciliation 4. PGSSP [Tuition fee, hostel fee, mess fee and exemption] 5. Verification of interest accrued on deposits 6. MSIT Hostel fee Electricity and water charges and Mess fee reconciliation 7. Admission fee reconciliation with online portal 8. Allotment of seats with online portal and fee collection 9. Fixed Deposits physical verification 10. Scrutiny of all Ledgers 11. Rents recovery from companies and petty traders 12. GST payments to Government and month-wise returns and Inputs 13. Month-wise Professional Tax challan verification 14. Classification of Ledgers 15. Income Tax Remittance and quarterly filing of returns and month-wise verification 16. Residential Quarter rents recovered from Faculty and Staff from their salaries 17. BRS verification for all Banks.(9 Banks) 18. Month wise Vouching [Receipts Payments] 19. Verification of Journal Vouchers 20. Checking of Outstanding Liabilities 21. Verification of Receivable Accounts 22. Cross checking of 26AS with Books of Accounts 23. Verification of Pay bill with Office proceedings 24. Verification of Asset Registers and Library Books Registers 25. All Projects accounts [Asset registers for verification] 26. Verification of Hostel summer rents collections with online portal checking 27. Complete Mess Account verification 28. Verification of Seminar and Workshop Accounts 29. Verifying Revenue Generated Accounts II. External audit o The external auditors are appointed by our Governing Council (GC). Every year, the auditor's report will be circulated to the GC well in advance and after their approval, it will become a public document. o This report will be filed with Income Tax department every year within the stipulated time. The same is being submitted to external agencies for various regulatory / statutory purposes which shows our financial credibility. o Based on the internal audit report, identification of financial risks (if, any) for the organisation o Covers only financial nature of risks and reporting to stakeholders and alerts in case of risk. o Validation on stock registers, payments and receipt vouchers, purchase orders, utilization certificates, tuition fee reconciliation of all streams, cash book and ledgers o Based on the recommendations, post auditing measures will be executed by the management to sustain the transparent and accountability of Institute

### 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
n.a.	0	n.a.
No file uploaded.		

### 6.4.3 – Total corpus fund generated

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**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	N.A.	Yes	Dean (Academics) and Institute Affairs Committee (IAC)
Administrative	No	N.A.	Yes	The Registrar and Administrative Affairs 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)

(1) Student Name: Aashna Jena Course: CLD Admitting Their Daughter Ms.Aashna Jena in IIIT-h is a well thought decision as they looked for all round development of her , As she is a classical dancer, parents are very happy as she could continue her passion for dance with our break and at the same time managing her good CGPA. She was able to participate in Hackathons, Microsoft Contest and many other renowned contests and also an Outreach Intern with support of IIIT-H Environment of IIIT-H and Encouragement of Faculty had a big role in Ms.Aashna's skill development. She could develop her Teaching skill by being Teaching assistant to her Faculty. No curfew policy was a worry for parents while taking decision for admission in IIIT-H, but looking at the Girl safety and good environment in campus Parents are happy as their child is enjoying campus life made Ms.Aashna known as Independent Girl. Source file: <https://www.youtube.com/watch?vXr7dkME0yOM> (2) Name: Pravallika Etoori Course: 2013 CLD Initially confused to send their daughter to Hyderabad far from their Home in Delhi. But Faculty and curriculum at IIIT-H made them realise that Ms, Pravallika is in Safest Hands. Good Hostel and Food facilities. Various avenues like Student Parliament , Appex Body and ecell developed Leadership skills in Ms.Pravallika and thereby received Good opportunities. Proud to be part of IIIT-H Source: [https://www.youtube.com/watch?vVwLn\\_AA6g9I](https://www.youtube.com/watch?vVwLn_AA6g9I) (3) Name: NN Salghuna Nair, 2016 Ph.D in Spatial informatics Mother: Mrs.Saseela, School Principal Happy with IIIT-H guidance and helping Ms.Salghuna to develop her wings to develop professional dreams and success by permitting her to participate in various National and International conferences and workshops and win many prizes. Professors and other department students are very cordial which helped her in learning interdisciplinary concepts. IIIT-H gave opportunity to Ms. NN Salghuna in Teaching concepts, Organising Workshops, Conferences inside and out side campus which helped in her personality development. IIIT-H took proper and good safety measures for girl child and Wardens and care takers are like second parents and took very good care of her. Link for interview.:<https://www.youtube.com/watch?vIh5fjsqZCUU>

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

i. A workshop on How to improve Writing Skills was organized ii. A training

programme on How to use Computers and MS Office was organized for creating awareness on automation iii. A training programme on Integrated Management System (IMS) was offered on how to use the newly introduced IMS ONLINE portal

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

(i) Strengthening neighbourhood and community involvement IIIT-H is part of the knowledge hub in Gachibowli, with active association with University of Hyderabad, Indian School of Business and various industry RD centres including CMC, TCS, Infosys, Wipro and Microsoft. For various activities, all neighboring institutions are regularly invited to share the various activities and thereby contribute sustained community development. IIIT-H students are regular participants to various training and community activities being organized by all neighboring institutions forming part of Gachibowli Knowledge Hub. (ii) The Institute has an active programme to promote entrepreneurship to take its research to the Society. The Centre for Innovation Entrepreneurship (CIE) spearheads this activity under the Banyan Intellectual Initiatives. We incubated more than 150 start-ups during the period from 2011 to till date. Here we are providing end to end services like Mentoring, Accelerating, Funding, Networking etc. All of our start-ups working under IOT (Internet of things), Robotics, AR/VR(Augmented Reality/ Virtual Reality), Gaming, lifestyle sectors. (iii) Under Humanities projects a few students have undertaken independent studies on nearby villages. Asha Kiran, a school for the children of workers is run at IIIT-H, by student volunteers. Sanskar School is another successful ongoing activity on the campus, supported by IIIT H faculty spouses on voluntary basis.

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
2018	(i) Setting up of an exclusive Technology Transfer Office (TTO) to identify market relevant products which helps the faculty to promote their research outcomes. Over 150 such projects were	11/08/2018	11/08/2018	12/08/2018	85



	identified and IP and patents were emphasized on select produ				
2018	(ii) To inculcate knowledge sharing between seniors and juniors (PG UG students), in all the Student Club activities, made space for both the levels for better interaction and active participation in campus matters such as Mess, Security and Hostel	17/07/2018	17/07/2018	17/07/2018	25
2018	(iii) Alumni Cell has activated a special channel for wide coverage on updates in mothly newsletter	01/09/2018	01/09/2018	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
Orientation program on lesbian, gay, bisexual, transgender,	12/11/2018	12/11/2018	12	16



and questioning (LGBTQ)				
Gender Sensitization Workshop	20/03/2019	20/03/2019	9	13
Mind Body Behaviour and Substance Use	19/04/2019	19/04/2019	16	7
But, What was she wearing	24/04/2019	24/04/2019	6	11
Substance Abuse through the Legal Glass: Narcotic Drugs and Psychotropic Substances' Abuse	30/04/2019	30/04/2019	7	9

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

i. Replaced fluorescent lamps with LED lamps in all hostels and other buildings in the campus with this there is 145 KWH per day reduction in power consumption and reduced power bills by one time. ii. Replaced existing fans with energy saving fans at all hostels with this there is 450 KWH per day reduction in power consumption and reduced power bills by three times. iii. Water Conservation: Rain water from roof tops and surface runoff diverted to Rain Water Harvest Pits, recharge of borewells, storage ponds in the campus by considering environmental consciousness.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	Yes	Nil
Ramp/Rails	Yes	Nil
Braille Software/facilities	Yes	1
Rest Rooms	Yes	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
2018	8	5	Nil	3	Tree Plantation	To control the global warming,	27

						60 new saplings were planted	
2018	Nil	Nil	Nil	Nil	N.A.	N.A.	Nil
<a href="#">View File</a>							

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

Title	Date of publication	Follow up(max 100 words)
Foundation Course in Human Values and Professional Ethics	10/04/2019	<p>Today's technical education, in its widely prevalent form, is not able to adequately empower students to think independently.</p> <p>Consequently, being driven by peer pressure, it is leading to a blind race for jobs that are intellectually and mentally unfulfilling, and wealth that breeds chaos in family and in society. However, education is not just about learning skills (how to) but also about developing the ability to decide on what (what to do?) and why (why to do?). It should lead to the development of critical ability in students towards distinguishing between essence and form, or between what is of value and what is superficial, in life. It should develop their understanding which is a prerequisite for a movement from rule based society to a relationship based society. In this paper, we discuss our experiment of introducing a compulsory course on Human Values in the undergraduate core curriculum in a technical university. Rather than aiming at teaching values, the course is structured to encourage students to discover what are of value for them and</p>

for the society. Thus the aim of the course is to enable students to discriminate between the valuable and the superficial in real situations in their life. The course is conducted through discussions in small groups each mentored by a faculty member. There are no formal lectures in the course. During every class the faculty mentor introduces a topic and initiates the discussion. While analysing and discussing the topic, the faculty mentors role is in pointing to essential elements to help in sorting them out from the surface elements. In other words, help the students understand the important or critical elements. For the above topics, scenarios are used to initiate discussion. Depending on the nature of topics, worksheets, home assignment and/or activities are included. What makes it challenging is the fact that the ability is to be developed not for a narrow area or field of study, but for everyday situations in life. Therefore, one week long intense workshop on Jeevan Vidya is conducted which allows students to reflect on questions pertaining to life.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
To control the global warming, 60 new saplings were planted	19/01/2019	23/01/2019	80
Dr. Michel Yorke, Senior Tutor in	11/02/2019	15/02/2019	65

Filmmaking at University College London gave a talk on Understanding Others as part of Human Values II course on 11 February.			
Mr. Baijesh Ramesh, Psychotherapist, Chetna Hospital gave a talk on A Mind Body Behaviour and Substance Use - An Encounter with Hungry Ghosts! as part of Human Values-II course on 1 April.	01/04/2019	01/04/2019	45
<a href="#">View File</a>			

#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

i. Replaced flourecent lamps with LED lamps in all hostels and other buildings in the campus with this there is 145 KWH per day reduction in power consumption and reduced power bills by 1. ii. Replaced existing fans with energy saving fans at all hostels with this there is 450 KWH per day reduction in power consumption and reduced power bills by 3. iii. Water Conservation: Rain water from roof tops and surface runoff diverted to Rain Water Harvest Pits, recharge of borewells, storage ponds in the campus by considering environmental consciousness. iv. Adapted plastic free zone by removing plastic items in the canteen areas with timely garbage cleaning v. Tree plantation programme conducted thrice in a year

### 7.2 – Best Practices

#### 7.2.1 – Describe at least two institutional best practices

**Best Practice 1: Research Outreach:** IIIT Hyderabad organizes several programs aimed at different segments of participants to promote research. For select students of engineering colleges, IIIT Hyderabad organizes an annual Excitement of Research Workshop that showcases the research outcomes of IIIT Hyderabad with an aim of also attracting students to our post-graduate research programs. For the wider societal audience and industry partners, the annual RD Showcase serves as an open house that exhibits the research outcomes of the past year. Several industry professionals and general audience attend these demonstrations held over two days. With a view to promote computational thinking among high school students, we organize a summer school called the STEP program ([www.iiit.ac.in/step/](http://www.iiit.ac.in/step/)) with an objective to equip young minds with fundamental computational skills that are increasingly pertinent in today's world. For the target group of post-graduate students and research scholars in the country, IIIT Hyderabad also organizes multiple summer and winter schools on select topics such as Artificial Intelligence, Computer Vision, Machine Learning, Natural Language Processing, etc.

**Best Practice 2: Education and Curriculum:** The undergraduate curriculum at IIIT Hyderabad is revised in 2018 to reflect the growing expanse of Computer Science and Electronics and Communication Engineering. Appreciating the need for an understanding of professional ethics, two mandatory half-courses on Ethics are introduced in the curriculum. These

two half-courses are beyond the 16 credits of Humanities courses that are part of the overall curriculum. In the context of Computer Science, the curriculum introduced half-course electives so as to allow to students to learn the basics of multiple sub-areas and specialize in some of them subsequently with next level electives. These next level electives are also categorized into five bouquets so that each student can focus on courses from a bouquet of choice. The ECE program also offers a similar structure with specialized courses in multiple disciplines of the field such as VLSI and Embedded Systems, Signal Processing, Robotics, and the like. IIIT Hyderabad also offers multiple education outreach programs aimed at the industry professionals. These are offered over multiple weekends and include both lectures and hands-on practice sessions. These courses include Blockchain, AI and ML, IoT, Software Engineering for Data Science, and so on.

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

<http://exor.iiit.ac.in/>

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

At IIIT Hyderabad, attracting enthusiastic and dedicated individuals from the world over as faculty members is a continuous endeavour. As a result, we have faculty members with Ph.D. from best Indian institutions like the IITs and IISc as well as the top global institutions like CMU, Cornell, Princeton, INRIA and University of Tokyo etc. o Faculty are given the flexibility in teaching to concentrate more on research, which creates a unique environment highly conducive to research. We encourage faculty and students to undertake research exchange programs to promote our research excellence across the globe. o IIIT-H is structured around research centers and labs unlike the conventional departments. Each research centre focuses on a broad problem area and brings together experts from varied backgrounds (industry, government, academia and social sectors) to conduct research and development on specific problem areas i.e., constantly pushing the boundaries of research to a higher level. The research centers, laboratories and domain centers utilise technologies in diverse disciplines to find innovative solutions to challenges faced by the society. o We are laying focus on applied research in several areas where technology can help population-scale problems of the society. Special attention is on the use of Computing and Artificial Intelligence for problems in healthcare, intelligent transportation, school education, etc., which resulted into collaborate with world class research institutions. o We are creating models within the institution to enable translational research that impacts the society, beyond the usual tech-transfer, start-up incubation, etc. IIIT-Hyderabad has also benefit immensely by involving subject matter experts / industry experts for both teaching and research as adjunct faculty. o We would like to be recognized among the very top global institutions in several areas of our research focus. The intense focus on research helps our B.Tech programs to stand out as demonstrated by the impact our alumni have had in academic and industrial research groups as well as in product companies.

Provide the weblink of the institution

[www.iiit.ac.in](http://www.iiit.ac.in)

### 8.Future Plans of Actions for Next Academic Year

New Admission Channel for 2019-20: IIIT Hyderabad believes that any institute should have multiple ways to identify talent to different programs. There is a need to have multiple types of catchment to rank students in their own streams

independently. IIIT Hyderabad has several admission options to its B.Tech programs and will continue to expand them. One such channel is, SPEC channel to support Students Tuition fee. IIITH strongly believes that financial constraints should not be an impediment to accessing quality education. Hence, the Institute strives to provide financial assistance to every admitted student who needs it under this mode of admission. The SPEC mode is a Special Channel of Admission for B.Tech programmes. This channel is aimed at identifying students with extraordinary talent or background. Applicants in this mode need to qualify in UDAAN scheme of CSE and appear for a computer-based entrance examination conducted by IIIT Hyderabad. The exam will test subject proficiency. Research Outreach: IIIT Hyderabad is planning to offer multiple education outreach programs aimed at the industry professionals. The plans are to offer these over multiple weekends and include both lectures and hands-on practice sessions. These courses include Blockchain, Artificial Intelligence and Machine Learning, Internet of Things (IoT), Software Engineering for Data Science, and so on.