# YEARLY STATUS REPORT - 2020-2021

## Part A

Data of the Institution

<table>
<thead>
<tr>
<th>1. Name of the Institution</th>
<th>INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY, HYDERABAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of the Head of the institution</td>
<td>Prof P J Narayanan</td>
</tr>
<tr>
<td>Designation</td>
<td>Director</td>
</tr>
<tr>
<td>Does the institution function from its own campus?</td>
<td>Yes</td>
</tr>
<tr>
<td>Phone no./Alternate phone no.</td>
<td>914066531144</td>
</tr>
<tr>
<td>Mobile no</td>
<td>9949544088</td>
</tr>
<tr>
<td>Registered e-mail</td>
<td><a href="mailto:director@iiit.ac.in">director@iiit.ac.in</a></td>
</tr>
<tr>
<td>Alternate e-mail address</td>
<td><a href="mailto:pjin@iiit.ac.in">pjin@iiit.ac.in</a></td>
</tr>
<tr>
<td>City/Town</td>
<td>Hyderabad</td>
</tr>
<tr>
<td>State/UT</td>
<td>Telangana</td>
</tr>
<tr>
<td>Pin Code</td>
<td>500032</td>
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</tbody>
</table>

2. Institutional status

<p>| University | Deemed |</p>
<table>
<thead>
<tr>
<th><strong>Type of Institution</strong></th>
<th>Co-education</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Location</strong></td>
<td>Urban</td>
</tr>
<tr>
<td><strong>Name of the IQAC Co-ordinator/Director</strong></td>
<td>Prof Ramancharla Pradeep Kumar</td>
</tr>
<tr>
<td><strong>Phone no./Alternate phone no</strong></td>
<td>914066531187</td>
</tr>
<tr>
<td><strong>Mobile</strong></td>
<td>9391131199</td>
</tr>
<tr>
<td><strong>IQAC e-mail address</strong></td>
<td><a href="mailto:registrar@iiit.ac.in">registrar@iiit.ac.in</a></td>
</tr>
<tr>
<td><strong>Alternate Email address</strong></td>
<td><a href="mailto:ramancharla@iiit.ac.in">ramancharla@iiit.ac.in</a></td>
</tr>
</tbody>
</table>

3. Website address (Web link of the AQR (Previous Academic Year))


4. Whether Academic Calendar prepared during the year?

Yes

5. Accreditation Details

<table>
<thead>
<tr>
<th>Cycle</th>
<th>Grade</th>
<th>CGPA</th>
<th>Year of Accreditation</th>
<th>Validity from</th>
<th>Validity to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cycle 2</td>
<td>A</td>
<td>3.05</td>
<td>2017</td>
<td>02/05/2017</td>
<td>01/05/2022</td>
</tr>
</tbody>
</table>

6. Date of Establishment of IQAC

30/06/2016

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

<table>
<thead>
<tr>
<th>Institution/Department/Faculty</th>
<th>Scheme</th>
<th>Funding agency</th>
<th>Year of award with duration</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIL</td>
<td>NIL</td>
<td>NIL</td>
<td>00</td>
<td>00</td>
</tr>
</tbody>
</table>

8. Whether composition of IQAC as per latest NAAC guidelines

Yes

- Upload latest notification of formation of IQAC

View File
<table>
<thead>
<tr>
<th>9. No. of IQAC meetings held during the year</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>• The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. (Please upload, minutes of meetings and action taken report)</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>• If yes, mention the amount</td>
<td>00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>11. Significant contributions made by IQAC during the current year (maximum five bullets)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. More elective courses were introduced in transdisciplinary and multidisciplinary programmes to meet the emerging national and global market requirements as part of the curriculum enrichment.</td>
</tr>
<tr>
<td>B. IQAC has created feedback forms for Graduating Students, Alumni, Employer’s, faculty, parents and for Internal Departments (Non academic).</td>
</tr>
<tr>
<td>C. The Institute has strengthened its teaching aids, learning processes using technological advancement like audiovisual aids, multimedia, and other modern ICT tools viz., MS Office 365 and Moodle.</td>
</tr>
<tr>
<td>D. Regularly conducting development programmes for both, teaching and non-teaching members, refresher courses and staff training programmes etc.</td>
</tr>
<tr>
<td>E. Internal Audit committee initiatives have been taken and IMS based platform was setup to collect academic data from Moodle (TLPs)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan of Action</td>
</tr>
<tr>
<td>To meet with the Industry demands, M.Tech programme curriculum is revised</td>
</tr>
</tbody>
</table>
The institute seed fund has been constituted to support early career research faculty with their initial research projects. The expectation is to support such faculty with a seed amount, up to Rs. 10 lakhs with a fund that will enable them to carry out their research.

To create awareness on Scopus Publications and IPRs, planned to conduct frequent trainings for the faculty and students. Two, orientation programmes on Scopus Landscape and How to file/publish patents? were organized.

Deployed Academic data management system for internal audit (AAA). Faculty have started creating course files.

Recommended - Updating Scopus landscape for faculty and students, google scholar. Conducted two orientation sessions.

<table>
<thead>
<tr>
<th>13. Whether the AQAR was placed before statutory body?</th>
<th>Yes</th>
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<tbody>
<tr>
<td>• Name of the statutory body</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Date of meeting(s)</td>
</tr>
<tr>
<td>Governing Council Meeting</td>
<td>17/09/2021</td>
</tr>
</tbody>
</table>

| 14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning? | No |

<table>
<thead>
<tr>
<th>15. Whether institutional data submitted to AISHE</th>
<th></th>
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<tbody>
<tr>
<td>Year</td>
<td>Date of Submission</td>
</tr>
<tr>
<td>2020-21</td>
<td>06/04/2022</td>
</tr>
</tbody>
</table>

Extended Profile

1. Programme

1.1

Number of programmes offered during the year: 26

1.2

Number of departments offering academic programmes: 10

2. Student
### Part B

**CURRICULAR ASPECTS**

1.1 - Curriculum Design and Development
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the Programmes offered by the University

The curricula at IIIT Hyderabad has been consciously and meticulously developed by considering local, national, regional and global developmental needs so that students are equipped with the knowledge for creating a sustainable society in a harmonious and sustainable manner.

(i) Some of the courses allow students to engage with local conditions and provide solutions to local problems. The courses on Language, Speech and Linguistic data teach students to categorise and analyse local languages. The Thinking and Knowing courses are designed to teach understanding of local social, economic and political conditions, and the courses on Earthquake Resistant Design and Remote Sensing teach students to build according to the demands of the local conditions.

(ii) Courses offered on the lines of National developmental goals: The courses on contemporary India, classical text readings, and Human Sciences teach students about the national development goals and how to apply solutions to problems keeping social and economic requirements of the country in mind.

(iii) Courses offered on the lines of Global developmental goals: The courses are designed for teaching students how to think of their knowledge in global terms building on experiences at the local and national levels.

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

3

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year

32

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all progr offered during the year
1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

IIIT Hyderabad integrates crosscutting issues, some of them are:

i) Ethics: The following six related courses are being offered at IIIT Hyderabad: (1) The course entitled “Values, Ethics and AI” looks at values and ethics and their relevance in IT systems in general and AI in particular. (2) The course entitled “Exploring Masculinities” explores social construction and meaning of masculinities. (3) The course entitled “Literature and the Ethics of Telling a Story” exposes students about ethical concepts work or fail in the context of war and genocide. (4) The course entitled “Questions of Crime and Punishment in Literature” uses pieces to literature to discuss age-old ethical and moral dilemmas of crime and punishment. (5) The course entitled “Science and Technology: Critical Perspectives” looks at the ethical responsibility of science and technology. (ii) Gender: IIIT-H believes in gender equality, and it is evident in the rights, responsibilities and opportunities given to students in academic and non-academic spaces. (iii) Human values: IIIT Hyderabad introduced an essential course on Value Education to all UG students. (iv) Environment and Sustainability: Institute floats various courses related to environment like Environmental Science and Technology, Ecological modeling, Eco-informatics.

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

III
1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and skills offered during the year

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1.3.4 - Number of students undertaking field projects / research projects / internships during the year

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1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus - semester wise / is received from Students Teachers Employers Alumni

- All 4 of the above

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1.4.2 - Feedback processes of the institution may be classified as follows

- Feedback collected, analysed, action taken and feedback available on website

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TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

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2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, as per applicable reservation policy during the year (Excluding Supernumerary Seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

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<td>Upload relevant supporting document</td>
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</tbody>
</table>
2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organises special programmes for advanced learners and slow learners

Assessing the learning levels of the students and organises special programmes for advanced learners and slow learners, such as:

1. After admitting the student, the institution assesses learning levels of the students in several ways: (i) Encouraging the students to frame open ended problems, which requires innovative skills and thought processes for answering questions. (b) Special programmes for advanced learners: The institute provides the following avenues for advanced learners: (i) In the course, the institute suggests faculty members to expose latest problems and research papers related to the topics of the course. The institute encourages students to opt for independent study of one course, in which a student is exposed to a research topic in a focused manner. (iii) The institute also encourages honours programs for advanced learners.

(c) Special programmes for slow learners: The institute provides the following avenues for slow learners: (i) Students mentoring system in Academic environment - Student’s Help Cell (SHC) IIIT Hyderabad has set up for the Undergraduate (UG) subjects to extend support to undergraduates, especially first year, students who are struggling in their courses.

2.2.2 - Student - Full time teacher ratio during the year

<table>
<thead>
<tr>
<th>Number of Students</th>
<th>Number of Teachers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1908</td>
<td>93</td>
</tr>
</tbody>
</table>

2.3 - Teaching-Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Every course is taught by a faculty whose research interests broadly match with the course content. Due to this, the course assignments, mini-projects, course projects, and the like are designed in such a way that
students develop a firm footing in the relevant fundamental concepts the same time get exposed to the state-of-the-art. Our curriculum emphasizes experiential learning following the practice-theory-practice principle and integrating the same throughout. All classes are conducted very interactively by asking suitable questions and engaging students through discussions on open-ended questions and ideas. Most courses have project and paper presentations which help students grow self-learners and develop courage, confidence, and other soft skills as communication, presentation, etc. To support students in activities such as writing quality reports, students are provided access to latest software packages Grammarly and Overleaf. Students have access to other collaboration tools such as Microsoft Teams that helps them create project teams and engage in online meetings and discussions.

Students have 24x7 access to a variety of tools and resources such as subscription to journals and conference proceedings, compilers, debuggers, scientific software, version management systems, simulation, and modeling software, etc. to solve complex problems from diverse domains.

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and processes during the year

Most of the lectures leverage electronic aids such as slides/digital writing boards that are also made available to the students after the lectures. Access to such material helps enhance the learning outcomes of students. Students are also encouraged to refer to other available resources on the internet, Swayam and NPTEL course material, and other related content that supplements the learning based on the lectures.

All the classrooms on the campus are equipped with ICT facilities enabling digital training. That is, all the classrooms have digital projectors (at least two per classroom), an audio system with wireless mics, screens, a computer along with green chalkboards/white boards. Computers are connected to a high-speed intranet and internet so that any AV material can also be shown in the lecture.

Some of the courses are inter-disciplinary in nature and attract students with varying background. Such courses help broaden the understanding of students to a multitude of issues and also helps them see how different disciplines of knowledge come together to solve the problems of the society. Some of the ICT enable tools that we use are - OER, SciLab, MATLAB, Python, Vio Python, Blender, Industrial Design etc.,

2.3.3 - Ratio of students to mentor for academic and other related issues during the year

2.3.3.1 - Number of mentors

93
### 2.4 - Teacher Profile and Quality

#### 2.4.1 - Total Number of full time teachers against sanctioned posts during the year

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<thead>
<tr>
<th>File Description</th>
<th>Documents</th>
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</tbody>
</table>

- **90**

#### 2.4.2 - Total Number of full time teachers with Ph.D./D.M./M.Ch./D.N.B Superspeciality/D.Sc./D’Lit. during the year

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<th>File Description</th>
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<td>Upload relevant supporting document</td>
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</tr>
</tbody>
</table>

- **87**

#### 2.4.3 - Total teaching experience of full time teachers in the same institution during the year

##### 2.4.3.1 - Total experience of full-time teachers

<table>
<thead>
<tr>
<th>File Description</th>
<th>Documents</th>
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</tbody>
</table>

- **90**

#### 2.4.4 - Total number of full time teachers who received awards, recognition, fellowships State, National, International level from Government/Govt. recognised bodies during the year

<table>
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<th>File Description</th>
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</tbody>
</table>

- **4**

### 2.5 - Evaluation Process and Reforms

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

- **Nil**

#### 2.5.1.1 - Number of days from the date of last semester-end/ year- end examination till declaration of results year wise during the year

- **14**
2.5.2 - Total number of student complaints/grievances about evaluation against total number of students who appeared in the examinations during the year

71

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

Coursework at the institute is ably supported by the moodle Learning Management System (LMS). This system allows faculty to upload course reading material, post homeworks, conduct in-class quizzes online, or evaluation results also. The system also comes with a discussion forum for course participants to discuss course related matters. Changes to evaluation results are timestamped and version controlled so that a trace of the changes can be maintained.

The pandemic induced online learning has been helped by the availability of moodle like platforms for not only posting course material but also in conducting evaluations at scale. Evaluations done online through this system can be also customized in terms of the number of questions that are displayed per student, the order in which questions appear to a student, the navigation across questions, and the like. These features allow for keeping the evaluation uncompromised to the vagaries of online evaluation and play a role in performing summative assessments at frequent intervals of the course.

The institute also purchased the necessary licenses to use a third-party online evaluation platform, Codetantra, that enables proctoring of exams conducted online.

2.5.4 - Status of automation of Examination division along with approved Examination Manual

A. 100% automation of entire division & implementation of Examination Management System

2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents
The B.Tech program has two set of outcomes inline with Outcome Based Education (OBE): Program Outcomes (POs) and Program-Specific Outcomes (PSOs). The program outcomes are kind of standard and relate to both technical and non-technical related outcomes. The Program Specific Outcomes contain the specific strengths of the program at IIIT Hyderabad. For academic programmes, the POs, PSOs, Course Outcomes and graduate attributes are well integrated into the course curriculum. More details are available at https://www.iiit.ac.in/academics/.

2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes evaluated by the institution during the year

Faculty assign letter grades at the end of the semester for each student in the class. These letter grades are from the set, A, A-, B, B-, C, C-, and F with a numerical value of 10, 9, 8, 7, 6, 5, 4, and 0 used for calculating the semester and cumulative grade point averages. These letter grades are then used to obtain the attainment of program outcomes and program specific outcomes as a numerical value between 1 to 3 (both inclusive). This is done as follows.

Each course description mentions the course outcomes and a mapping of course outcomes to the program outcomes and the program specific outcomes. This mapping is a number among 1, 2, and 3, with 1 being the lowest correlation and 3 being the highest.

The letter grades obtained by students in every course are now converted to a single number between 1 and 3 as (#A/A-/B grades *3 + ...). This number is the course attainment number. The course attainment numbers are weighted with the course outcomes to program outcomes and program specific outcome mapping. This weighted average for each course is the final number that indicates the attainment of the program outcomes and program specific outcomes, which is in progress.

2.6.3 - Number of students passed during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

405

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution design its own questionnaire) (results and details need to be provided as a web link)
RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution Research facilities are frequently updated and there is well defined promotion of research which is uploaded on the institutional website and implemented

We have several useful research facilities (like High Performance Computing (HPU) Servers, instruments, etc.) available in the Institute for faculty, research students, technical staff, etc. for their research purposes. For example, 3D printer, etc. The R&D Office updates the available facilities and announces to the research community from time to time along with details.

- Compute facilities
- Civil Engineering equipment / machines
- Makers lab (CIE) - IIIT-Hyderabad manages its innovation, entrepreneurial and technology outreach efforts through Centre for Innovation & Entrepreneurship (CIE).

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakh)

2500000

3.1.3 - Number of teachers receiving national/ international fellowship/financial support from various agencies for advanced studies/research during the year

5

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

16

3.1.5 - Institution has the following facilities to support research Central Instrumentation

D. Any 1 of the above

<table>
<thead>
<tr>
<th>Centre Animal House/Green House Museum</th>
<th>Media laboratory/Studios Business Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>Museum</td>
<td>Research/Statistical Databases Moot court</td>
</tr>
<tr>
<td>Theatre</td>
<td>Art Gallery</td>
</tr>
</tbody>
</table>

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognized by national and international agencies during the year

1

3.2 - Resource Mobilization for Research

3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources as industry, corporate houses, international bodies for research projects) endowments, fellowships in the University during the year (INR in Lakhs)

2269.25

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

17

3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year

26

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and initiatives for creation and transfer of knowledge
There are multiple ways in which IIIT Hyderabad interfaces with the industry to enrich the teaching-learning processes. For instance, the course titled Design and Analysis of Software Systems is a course that teaches the principles of software engineering. A major component of course is a semester-long hands-on project executed in teams. These projects are real-world projects sourced from companies operating with the Center for Innovation and Entrepreneurship (CIE) of IIIT Hyderabad. Representatives from these companies float projects, work with the students to prepare the requirements document, go through the entire process of software development, and so on. The final grade is a function of acceptance of the project at the end of the semester. These projects have been quite useful in inculcating the art and science of software development among students and make them ready to take leadership roles in the industry.

CIE at IIIT Hyderabad is a technology incubator with over 13+ years of experience in seeding, nurturing and growing deep-tech startups in emerging segments like med tech, tech4social, visual informatics, data engineering, machine learning, language technologies, gaming and robotics.

<table>
<thead>
<tr>
<th>Maker Lab, Prayas lab, AR/VR Lab at CIE, INAI &amp; Smart City Living Lab et al.</th>
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3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

Nil

3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year

44

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3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

9

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3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research
3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following
- Inclusion of research ethics in the research methodology course work
- Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)
- Plagiarism check
- Research Advisory Committee

**A. All of the above**

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3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards
- Commendation and monetary incentive at a University function
- Commendation and medal at a University function
- Certificate of honor
- Announcement in the Newsletter / website

**B. Any 3 of the above**

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3.4.3 - Number of Patents published/awarded during the year

3.4.3.1 - Total number of Patents published/awarded year wise during the year

**23**

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3.4.4 - Number of Ph.D's awarded per teacher during the year

3.4.4.1 - How many Ph.D's are awarded during the year

**16**

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3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year

**3**

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</table>
3.4.6 - Number of books and chapters in edited volumes published per teacher during the year

3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year

157

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS

B. Any 4 of the above

3.4.8 - Bibliometrics of the publications during the year based on average Citation Index Scopus/ Web of Science/PubMed

<table>
<thead>
<tr>
<th>Scopus</th>
<th>Web of Science</th>
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<tr>
<td>369</td>
<td>211</td>
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3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science - h-index of the University

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<thead>
<tr>
<th>Scopus</th>
<th>Web of Science</th>
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<tr>
<td>11</td>
<td>37</td>
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3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

At IIIT Hyderabad, consultancy task is taken up when a client, generally...
an industry or an institution approaches – IIIT-H with a specific pro
for advice. There might be very little direct research produced by ca
t out the task, however it is based on high end expertise of the facult
easily available outside. At this point two types of consultancy are
recognized and the guidelines and enclosed herewith.

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3.5.2 - Revenue generated from consultancy and corporate training during the year (INR
Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year
in lakhs)

34254059

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3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensiti
students to social issues and holistic development during the year

This year was challenging due to covid and the lockdown restrictions. Teaching was online, students did not have the college experience which includes not just academics but also social and cultural activities. The spirit was undeterred and to keep students engaged in social aware many events including talks and workshops were held. Some of the foll
activities were held on virtual mode during the past year.

05-Jul-2020: Pass the Green Challenge (Green India 2020)
13-Jul-2020: Pass the Green Challenge (Green India 2020)
18-Jul-2020: Pass the Green Challenge on IIIT Hyderabad Campus.
26-Aug-2020: Birth Anniversary of Mother Teresa.
05-Sep-2020: Teachers Day Wishes.
02-Oct-2020: Birth Anniversary of Gandhi Ji.
18-Dec-2020: Do Your Bit Challenge.
26-Jan-2021: Republic Day Celebrations.
08-Mar-2021: International Women’s Day.

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3.6.2 - Number of awards received by the Institution, its teachers and students from Government/Government recognised bodies in recognition of the extension activities carried out during the year

3.6.2.1 - Total number of awards and recognition received for extension activities from Government/Government recognised bodies during the year

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3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year (including Government initiated programs such as Swachh Bharat, AIDS Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

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3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

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3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/research establishment/industry for research and academic development of faculty and students during the year

3.7.1.1 - Total number of Collaborative activities with other institutions/research
establishment/industry for research and academic development of faculty and students during the year

3.7.2 - Number of functional MoUs with institutions/industries in India and abroad for internship, on-the-job training, project work, student/faculty exchange and collaboration for research during the year

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching-learning, viz., classrooms, laboratory computing equipment, etc.

The institution has adequate facilities for teaching-learning, viz.

1. Class Rooms: The institute has 16 class rooms, 2 auditoriums, 4 seminar halls and 7 open lab spaces with LCD projection and necessary internet connection in each rooms. All the buildings have independent facilities of separate rest rooms for women students and staff as per NBC standard.

2. Laboratories: The Institute has well-equipped, air-conditioned laboratories allocated batch-wise to the students. They contain the latest hardware and software. The average PC-to-student ratio is 1:2. IIIT-H established a High Performance Computing (HPC) facility to meet the research demands.

3. Library: The Library has a large collection of Reference Books, Text Books, Technical reports, Standards, Literature books and CDROMS. The Library is being managed with fully integrated multi-user Library Management Software (LMS). The Library is Automated and enabled with technology by using LIBSYS 10 Software, Which is an integrated multi-Library Management that supports all in-house operation of the library.

4. Digital Library: A digital library is also maintained. It is an archive of useful software, books and tutorials. Students can download permitted software from these resources.

5. Video Recording facilities: Three Video Recording rooms.
4.1.2 - The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor and sports. (gymnasium, yoga centre, auditorium, etc.)

There is adequate facility for conducting sports, yoga and cultural activities. There are two venues for organising outdoor cultural events. Many programmes including plays by Spic Macay and rockshows by international artists have been organised here. There are 4 indoor hall available to conduct events like music recitals and plays. For yoga, there is a dedicated hall where yoga classes are held in the morning and evenings. For sports, the indoor facility is for snooker, carroms, chess etc while outdoor there are dedicated grounds for football, tennis, cricket, volleyball, basketball, badminton and a running track. Sports: The institute gives sufficient incentive for everyone to excel in any of the plethora of activities and skills available. Facilities are provided for cricket, volleyball, soccer, basket ball, table tennis, etc. We also understand with nearby stadiums for other sports facilities such as hockey, swimming, etc. Gymnasium: Gymnasium facilities are available in hostel with a physical trainer. Apart from the common gym which is open for all residents, a separate mini gym is also provided for girls in the girls hostel. Yoga: Campus has a yoga room with a trainer and guru for students, faculty and staff. Yoga classes are held in the morning as well as evenings.

***

4.1.3 - Availability of general campus facilities and overall ambience

IIIT Hyderabad is a 66 acres campus, located on the main Gachibowli road (also called the Old Bombay highway) is well connected by bus and is the route for the proposed metro rail. We are surrounded by many academic research institutions like the Hyderabad Central University, Indian School of Business (ISB), TCS-CMC, Indian Immunologicals and Jawaharlal Nehru Institute of Development Banking (JNIDB), and are minutes away from the bustling HiTech City Center and Lingampally, which are major shopping areas. Lingampally is also the nearest railway station.

Within-campus facilities include a bank extension counter, ATM machin, stationary shop, and laundry services. The campus has been developed a bit since the institute was started in 1998.

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year in Lakhs

84895045
4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitized facility

IIIT Hyderabad Library supports the informational and scholarly needs of students, research scholars, Faculty members and staff. The library has a rich collection of Text books, Reference books, e-Books Springer LNCS Books, EBSCO e-Books Engineering Core, ACS In Focus e-books Inaugural Collection and subscribed e-journals (IEEE, ACM, Elsvier ScienceDirect Two Subject Collection), Springer Journals, Nature Online, JSTOR, SCOPUS, INDIASTAT etc., and open accesses e-resources.

· The Library is Automated and enabled with RFID technology by using 10 Software, Which is an integrated multi-user Library Management that supports all in-house operation of the library.

· The library has OPAC terminals to facilitate easy search of information. The library is providing service Current Awareness Services (New Arrivals Services) and Photocopy Services.

· The Total carpet area of Library 13,120 (in Sq. Ft) with attractive interiors and seating, The library include well reading space, stack display area. The Library has a collection of 36774 volumes of books - good collection of back volumes.

· IIIT-H Library keeps its resources (Journals, Databases and e-Books) accessible online to its academics and researchers through VPN from anywhere, and 24/7 from its website (https://library.iiit.ac.in).

File Description

Upload relevant supporting document

Documents

View File

4.2.2 - Institution has subscription for e-Library resources

Library has regular subscription for the following: e - journals e-books e-ShodhSindhu Shodhganga Databases

A. Any 4 or all of the above

File Description

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Documents

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4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)

102.93

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Documents

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4.2.4 - Number of usage of library by teachers and students per day (foot falls and login online access)

70
4.3 - IT Infrastructure

4.3.1 - Number of classrooms and seminar halls with ICT-enabled facilities such as LCD, board, Wi-Fi/LAN, audio video recording facilities during the year

Infrastructure:

The Institute has well-equipped computer laboratories allocated batch to the students and contain the latest hardware and software. The average PC-to-student ratio is 1:1. Other facilities exist on the campus, as

Internet Bandwidth @ IIIT-H:

A&V system in Classrooms @ IIIT-H:

LAN @ IIIT-H:

Campus network has been enabled with wired connectivity throughout the campus. Policy refere:

http://intranet.iiit.ac.in/offices/static/files/IT_policies_Network_17_2021-v1-000.pdf

Wifi @ IIIT-H:

Wifi solutions are provided for the entire academic areas/ Research Centers/Research Labs. These services are accessible with different SSIDs. Currently AP from Cisco and Ruckus are available on campus

High-Performance Computing service. https://www.iiit.ac.in/hpc/ ada.iiit.ac.in

Eduroam @ IIIT-H:

IMS @ IIITH:

Software @ IIITH (SciLab, MATLAB and Open source tools etc.)

Learning @ IIIT-H:

Moodle and Open Edx are the Learning Management Systems used.

http://itinfo.iiit.ac.in/softwares/
Meet@IIIT-H with MS Teams and Zoom:

VPN@IIIT-H: IIITH research users can use VPN to connect securely to the server in campus.

Computing@IIIT-H:

Policy on Desktop/Laptop
Lab Facility (incl. Open labs)
Webspace

mail@IIIT-H:

Surveillance@IIITH:

Help@IIITH:

Other Infrastructure such as wired network in student’s hostels

IT Budget:

Institute has been continuously upgrading and updating its computational facilities as per changing needs of the teaching methodology, research needs and requirements.

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4.3.3 - Student - Computer ratio during the year

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<thead>
<tr>
<th>Number of students</th>
<th>Number of Computers available to students for academic purposes</th>
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<tr>
<td>1:2</td>
<td>916</td>
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4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)

• ≥1 GBPS

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4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System (LCS) Mixing equipment’s and softwares for editing

A. All of the above

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4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year
4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms.

Yes. There are established systems and procedures for maintaining and utilizing physical, academic and support facilities within the campus.

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than students receiving scholarships under the government schemes for reserved categories)

1310

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

120

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology

A. All of the above

5.1.4 - The Institution adopts the following for redressal of student grievances including

• All of the above
5.1 - Legal and Ethical Compliance

- Sexual harassment and ragging cases
- Implementation of guidelines of statutory/regulatory bodies
- Organisation wide awareness and undertakings on policies with zero tolerance
- Mechanisms for submission of online/offline students’ grievances
- Timely redressal of the grievances through appropriate committees

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (e.g. NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)

5.2.1.1 - Number of students who qualified in state/ national/ international examinations (IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

35

5.2.2 - Total number of placement of outgoing students during the year

405

5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

17

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter -university/state/national/international events (award for team event should be counted as one) during the year

00
### 5.3.2 - Presence of Student Council and its activities for institutional development and student welfare

Student Life Council (SLC) is a committee of faculty members who represent sub-committees related to students viz. campus life, cultural life, sports, mess, NSS and hostel affairs. The committee coordinates campus life activities such as awareness workshops, talks and festivals. It also organises inter-house and inter-batch sports, cultural and NSS activities.

The student council members report directly to the SLC chair. It includes the elected body of representatives viz Student Parliament with MPs representing different sections of students community, hostel council looks after hostel facilities, mess council after dining and canteen facilities and finance council that handles the budget allocated for running student activities throughout the year. The activities include annual festival called Felicity, club activities like music, dance, quiz, astronomy etc, and other expenditures like batch-trips and city orientation trips. There is Apex council also which looks after the needs of the newcomers. From welcoming students to bidding them farewell, SLC is an important bridge between the students and the Institute in implementing the Institute’s vision to produce all-rounders with holistic perspective.

### 5.3.3 - Number of sports and cultural events / competitions organised by the institution the year

14 events

### 5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional) contributes significantly development of the institution through financial and other support services during the year.

The IIIT H Alumni Association, established in 2013, is a dynamic network of Alumni spread across the globe. We have an official IIITH Alumni Forum in the USA IIITHAF(USA) and are in the process of formally registering in India.

We are connected with around 5400 Alumni with whom we engage through various activities:

- Alumni Feature Blogs: 28 blogs featuring 40 distinguished alumni.
- Two interactive programs series on YouTube (a live show every two months)
  - Alumni Speak featuring successful Alumni
Alumni Start-up Showcase featuring Alumni Start-ups

- Alumni Start-up Directory currently listing 29 start-ups founded by Alumni
- 6 Alumni are now faculty at IIITH
- 2 Alumni are as observers in our Governing Council
- Alumni engage in our conferences, workshops, research collaboration, industry connects, diversity admission campaigns, career counselling, mentorship and more.

The Alumni have created an Alumni Fund of 2.3 crore through their donations which offers financial assistance to needy students on a pay-forward basis. It has so far supported 64 students of which 27 students have repaid the support.

The alumni have stepped up in times of need especially during COVID and have also helped raise funds for impacted families.

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5.4.2 - Alumni contribution during the year

(INR in Lakhs)

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GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance

The institute in its vision and mission statements has incorporated the idea that it wants to be a research-driven institution in the broad domain of information technology and its applications. Several efforts are under way and ongoing to translate this vision into actionable processes.

Regarding academic governance,

- Our undergraduate curriculum uses a practice-theory-practice mode of pedagogy that allows students the space to gain advanced knowledge and skills in a sub-discipline in addition to broad-based knowledge of a primary discipline. This has enabled our undergraduate students to take up research projects as part of their studies evidenced by research papers in international conferences and journals with undergraduate students as co-authors.
- Our mission is to produce not only competent graduates but also graduates who care about the society at large and are equipped to think about ethical questions that arise in the practice of their profession. To this end, our curriculum includes mandatory courses on Value Education, Ethics, Arts, and other courses on human sciences that students to various facets of science, technology, and society.
- The institute promotes quality research by faculty and students through appropriate mechanisms including travel support, professional development opportunities, and collaboration with industry.
development assistance, seed projects, internally funded projects, research awards, and the like. These act as force-multipliers in creating a positive and vibrant research environment and help all individual goals to institute goals.

Regarding administrative governance,

The Institute's administration framework is formulated such that it supports the Vision and Mission on the lines of creating world class research University.

### 6.1.2 - The effective leadership is reflected in various institutional practices such as decentralization and participative management

At IIIT Hyderabad, the effective leadership is reflected in various institutional practices such as decentralization and participative management.

**(A) Decentralization Practice**

1: Financial Powers Decentralization - For day-to-day operations, about 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.

Practice 2: Purchase Policy Decentralization was in place.

**(B) Participative Management**

Practice 1: Both, faculty and students involved in designing the Institute’s policy matters and it’s implementation.

- Regular interactions takes place through internal meetings among the faculty, staff and student bodies.
- Director conducts every month, a faculty meeting to discuss academics, research, outreach matters and campus activities.
- Chair’s [Student Life Committee (SLC) Student’s Affairs Committee] convenes review meetings with the Student Parliament Coordinators.

Participative Management – Practice 2

- Academic functions are decentralized i.e., each program has a program coordinator.
- The students regularly meet up with the Programme Coordinator’s and faculty members for clearing their academic queries.
- The Registrar meets all the administrative heads once in a month.
6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

In terms of strategy development and deployment, we have adapted the following measures in various areas for the current year. Some of these are...

Admission of Students

In this year, Institute strategic plan of building a world-class research based institution has been implemented in the following manner.

1. Efforts have been made to recruit world-class faculty – Seventeen members have joined in this year.

2. World class teaching labs have been created.

3. Efforts are being made to attract high quality Ph.D. students.

4. Industry partnership / Collaboration – new strategies are planned.

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policy, administrative setup, appointment and service rules, procedures, etc.

At IIIT Hyderabad, Governing Council (GC) is the supreme body, which twice in a year for taking the important decisions. The GC looks after overall development and strategy formulations of the institute. Where as Executive Committee is the steering body of the Institute to monitor day-to-day activities headed by a director. The committee consists of Director, Dean(S), Registrar and Ex-Officio members from Government, Industry and eminent scientists. Two of the alumni were also act as Observers.

Two Deans, Academics & RnD ensures the conduct of academic, and research led extension activities, respectively. Both, the academic and research activities are monitored by the Deans, periodically. The administrative wings / departments are responsible for strengthening the Institute activities for which, a set of policies were made for better implementation. IQAC cell is also actively contributing to setup several quality initiatives. All faculty members were asked to take active part in these committees for contributing to the Institute’s overall development. An opportunity exists to enhance their leadership qualities.

These written policy documents are made available on Intranet / Internet, which clearly indicate the efficient and effectiveness overall functioning of the Institute.
### 6.2.3 - Institution Implements e-governance in its areas of operations

| 6.2.3.1 - e-governance is implemented covering following areas of operation |
| 1. Administration |
| 2. Finance and Accounts |
| 3. Student Admission and Support |
| 4. Examination |

A. All of the above

---

### 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

**For teaching staff**

(1) The performance is based on performance appraisal system capturing teaching performance, research contributions, technology transfer and institutional service, professional service, societal service. A committee examines the progress of the faculty periodically adhering to the policy.

**For Non-Teaching Staff**

(2) As per the administrative manual of the Institute, the Staff Committee examine the performance of individuals timely for the necessary promotional avenues.

(3) Welfare measures: Both, the faculty and staff have gratuity, medical allowance and insurance.

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### 6.3.2 - Total number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

7

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### 6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

1
6.3.4 - Total number of teachers undergoing online/face-to-face Faculty Development Programmes (FDP) during the year (Professional Development Programmes, Orientation/Induction Programmes Refresher Course, Short Term Course)

8

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Institutional strategies for mobilization of funds and the optimal utilization of resources

The institute mobilizes funds mainly from the student fee and research projects. The Heads of various departments viz., R&D, Outreach and AI are the major stakeholders for generating the funds from extension activities.

- The institute provides necessary support to the students in the form of teaching assistance and research assistance.
- For deserving and special talented students, University is also providing the necessary loans to meet their tuition fee.
- Inline with the subject/disciplines, the faculty is also mobilizing funds from organizing reputed top-rated conferences on the campus.
- Students Council Cell is able to generate the sponsorships for student’s annual fests.
- Outreach Division conducts various executive education programmes for working professionals in several batches.

Utilization of Funds

The finance committee oversee the optimum utilization of funds.

Optimal utilization of resources

- The faculty, who excels in research activities are encouraged for incentives at par with the standards that they accomplish.
- Faculty and students are encouraged to participate in worldwide conferences for presenting their papers or even requested to participate without a paper presentation subject to availability of funds.
6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

nil

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

nil

6.4.4 - Institution conducts internal and external financial audits regularly

Yes. In this year, the Institute has conducted both, Internal and External Audits.

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes by constantly reviewing the teaching learning processes and methodologies of operations and learning outcomes at periodic intervals

IQAC at IIIT Hyderabad's contribution during the year (2020-21)

i) Internal Academic Audit - Audit Committee has formed to build the infrastructure on Moodle. Course designs have collected and a Course is being maintained for all the faculty members.

ii) Corrective measures have been taken based on the mapping and output of Course Outcomes and Programme Outcomes.

iii) Apart from teaching labs, student's workspace was also created on campus for creating a better and learning environment.

iv) Conducted, two orientation sessions for the benefit of faculty and students on (a) Scopus Publications and, (ii) Intellectual Property Rights (IPR)

6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative

A. Any 5 or all of the above
Audit (AAA) and follow up action taken on Conferences, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and students Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

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6.5.3 - Incremental improvements made for the preceding during the year with regard to qu case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

IQAC at IIIT Hyderabad has made the following Quality improvements during the year (2020-21)

During COVID-19, some of the improvements were made through ONLINE mode. Some of them are:

(1) Moved the entire teaching and learning process on ONLINE with a required orientation to the faculty members.

(2) Established Teaching Labs with Smart Boards and setup modern labs for larger ICT intervention.

(3) Constructed new hostel blocks, faculty quarters including Ph.D. scholars accommodation.

(4) Tailored towards deploying Outcome Based Education (OBE)

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INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

IIIT Hyderabad has initiated the following measures for promotion of equity during the year.

Annual gender sensitization action plan: Conduct a gender workshop for every new batch in the 2ndsemester. Specific facilities provided for in terms of:

a. Safety and security: A 24 hour access to faculty to call in case of concerns. Girls hostels have women guards supported by in-campus resident hostel incharge.

b. Counselling: Have an robust and active counselling team to address aspects - from gender related issues to mental health wellbeing.
c. Common Rooms: The common reading rooms, TV rooms (in girl's hostel) are under supervision of guards and admin incharge to ensure safety.

d. Daycare center for young children: Have a day-care in campus IIITH community.

e. Admissions and Diversity: IIIT Hyderabad realizes that having a diverse set of students is important to the overall success. With this in mind, IIIT Hyderabad admits students to its undergraduate programs in multiple ways apart from those from the standardized JEE process. These include considering students who distinguish themselves with a selection in representing India in international Olympiads on Science, Maths, Linguistics, Informatics, and so on. To promote gender diversity, IIIT Hyderabad also introduced a diversity pool starting in 2020.

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<td>Annual gender sensitization action plan(s)</td>
<td>Annual Gender sensitization action plan is available at <a href="https://www.iiit.ac.in/files/iiit/Gender_Equality">https://www.iiit.ac.in/files/iiit/Gender_Equality</a></td>
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<td>Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information</td>
<td>Girls hostels have women guards supported by campus resident hostel incharge.</td>
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7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

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7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

IIIT Hyderabad has constructed a greywater treatment plant, which uses relatively clean sink and bath water from the Bakul hostel. Similarly, another sewage treatment plant (STP) opposite Vindhya has both black and grey water mixed in it. This water needs a little more treatment; hence is currently being used only for gardening purposes. An STP located near the faculty quarters filters greywater used exclusively for the agricultural farm on the campus. More recently, a state-of-the-art STP can treat around 400 kilolitres of grey and black water has been
constructed; this treated water is used for toilet flushing in Palash Kadam, Parijaat, and its extension blocks.

Raw water treatment: Water purification is a process by which undesirable chemical compounds, organic and inorganic materials, and biological contaminants are removed from the water. This treated raw water cannot be used for irrigation, construction, or cleaning purposes. For raw water treatment from all hostels, IIITH constructed a 0.40 MLD Capacity MBB Technology Sewage Treatment Plant behind Plash Nivas. Sewage treated is used for flushing in toilets at Palash Nivas and Kadamb Nivas and Parijaat, including extension Blocks A, B, and C. With this, there is saving in domestic water usage and survival of borewells.

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institution’s initiatives to preserve and improve the environment and harness energy are confirmed through the following:

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards
5. Beyond the campus environmental promotional activities

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7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

C. Any 2 of the above

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7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and diversities (within a maximum of 200 words)

The institute has committees to address gender and other forms of discrimination which play a pro-active role in spreading awareness. The committees organise workshops and meetings with experts and activists, students and employees to talk about gender and sexual ethics.

In the past year, the Institute has started special hostel facilities non-binary reporting students (LGBTQI) to provide them a safe and dignified space on campus.

The Institute organises Diversity Workshops to spread awareness and sensitivity about living in tolerance and acceptance of diverse lifestyles and cultural practices.

The Institute has started special drives to encourage admission of socially and economically disadvantaged students, and provide them financial assistance and academic support.

The Institute has instituted a diversity channel of admissions to increase the number of women students in BTech programmes.

Through the Students Life Committee, the institute helps students celebrate various festivals through financial and infrastructural support. All members of the IIIT community are encouraged to participate in these.

The institute organises a variety of cultural and music programmes which expose our students and employees to India’s rich cultural heritage.
7.1.9 - Sensitization of students and employees of the institution to constitutional obligations, values, rights, duties and responsibilities of citizens:

IIIT Hyderabad was the first to institute a deep and wide ranging Value Education programme for all its students from the early 2000s. Students enrolled in credited classes where engage in discussions and activities relating to community outreach, ethics, and human values. This model has been replicated in engineering colleges in Telangana and various other states of the country.

Our Value Education programme runs over two semesters and includes an additional summer workshop. This trains our students to actively live a life of aware and engaged citizens conscious of their rights and duties.

The Institute has a three week Induction Programme for all newly admitted students which exposes them to the duties and responsibilities of citizenship, adulthood and student life through a series of workshops, activities, lectures and self-learning exercises.

The Institute organizes talks and functions on Independence Day and Republic Day where legal and constitutional experts are called to talk about the republican values of our Constitution.

IIIT Hyderabad also organizes a series of Distinguished Lectures where academic experts as well as public figures are invited to speak to the Institute community about the need to engage with society as academic well as how as an academic community we can engage with the needs and demands of our country.

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct. The Institution organizes professional ethics programmes for students, teachers, administrators and other staff. Annual awareness programmes on Code of Conduct are organized.

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals.

Yes. IIIT Hyderabad always emphasizes the need for the holistic development of a student. This includes sensitizing students towards social and national issues. To instil the pride of being a citizen of India, such days are marked with multiple events. Every year, on both Independence and Republic Day, blood donation camps and Swachh Bharat related activities are conducted along with cultural programmes after flag.
hoisting/unfurling events. Cloth collective drives for NGOs like Goor held regularly as well. In the past 5 years, some more days like Mahadev Gandhi’s 150th birth anniversary, Jallianwala Bagh centenary, Rabindranath Tagore and Netaji birth anniversaries, Satyajit Ray centenary birth anniversary were marked with special talks, panel discussions and film shows. We also celebrate International commemorative days like World Health Day, International Mother Language Day, International Day of Yoga, International Women’s Day, World Music Day etc. Apart from Indian festivals like Diwali, Holi, Sankranti, Onam, Christmas, New Year and Halloween celebrated by the students with financial and logistic support from the institute.

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### 7.2 - Best Practices

#### 7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC provided in the Manual

1. **Title of the practice:** Due to COVID-19, the Institute has decided to explore the options of using the CodeTantra platform (www.codetantra.com) to conduct online examinations during the academic year 2020-21.

2. **The context that required the initiation of the practice:** The Covid-19 disrupted the process of imparting education. IIIT Hyderabad has conducted online lectures through MS Teams and the examinations are conducted using the CodeTantra platform.

3. **Objectives of the practice**
   - To facilitate a transparent and fair evaluation of the students during the Corona virus – hit period.
   - To provide flexibility for the teachers to set a different kind of questions for different students.
   - To ensure that the students complete their academic year in a stipulated period.

4. **The Practice:** IIIT Hyderabad has conducted orientation programs and sessions for the students, faculty, and staff about the guidelines to the platform.

5. **Obstacles faced if any and strategies adopted to overcome them:** All students have faced Internet connection issues and bandwidth issues.

6. **Impact of the practice:** Overall conduct has resulted in greater efficiency, ease of use, and capability of handling tough times with the use of technology devices.

7. **Resources required About the Institution:** About 30 to 40 staff and faculty.

### 7.3 - Institutional Distinctiveness

#### 7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)
The highlights of performance of the Institution

1. During the academic year 2020-21, seven faculty have received awards for their research achievements.
2. Each faculty member is awarded professional development fund that is based on their research productivity in the past year.
3. This year, total 7 number of faculty have joined on the board.
4. IIIT Hyderabad also offered limited support to its students to attend prestigious international and national conferences to present their work. This year, about 35 students were sanctioned of INR 8.20 lakhs.
5. The Dean (R&D) have selected students nominated by faculty advisors to conduct research in terms of building systems, data papers, and so on.
6. The Institute has also participated in National Rankings viz., NIRF and prominently fared in the ranking table.
7. Additional support (Mental health) to students during the COVID Pandemic in consultation with Student Counsellors.
8. Suitable changes in academic evaluation and learning environments support online learning in times of the pandemic.
9. Online teaching – video recording of all the lectures; necessary infrastructure was setup in the class rooms.

7.3.2 - Plan of action for the next academic year

IIIT Hyderabad has planned several activities for the next academic year, some of them are –

The plan of action for the academic year 2021-22 is as follows.

Academics: Due to COVID-19, the teaching, learning and assessment process have to be conducted ONLINE. The plan is to have a CodeTantra platform for professional software, for teaching, learning and assessments.

Research: The evaluations of MS and Ph.D. thesis are to be conducted in ONLINE mode.

Outreach and extension activities: IIIT Hyderabad is planning to organize Outreach and extension activities via Online mode in case the COVID-19 syndrome continue for the next academic year.

Efforts are being undergoing to introduce a New Programme on Product 
& Management.