

**Department of Information Technology**

**Annual Report –2020 - 21 CRITERIAWISE**

**PART-I**

**CRITERIA –I- CURRICULAR ASPECTS**

1) Certificate/ Diploma Courses introduced during the Academic year **NIL**

Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development

2) Students enrolled in Certificate/ Diploma Courses (ONGOING) **NIL**

	Certificate course	Diploma Courses
No of Students		

3) Value-added courses imparting transferable and life skills offered during the year. **NIL**

Value added courses	Date of introduction	Number of students enrolled

4) Field Projects / Internships under taken during the year **NIL**

Project/Programme Title	No. of students enrolled for Field Projects / Internships

5) Feedback taken from students on events/courses/activities etc. Conducted (Give the analysis) How has the feedback been used to improve events/courses/activities etc. **NIL**

**CRITERIA- II – TEACHING- LEARNING & EVALUATION**

**1. Demand Ratio during the year**

Name of the Programme	Number of seats available			Number of applications received			Students Enrolled		
	FYBSc	SYBSc	TYBSc	FYBSc	SYBSc	TYBSc	FYBSc	SYBSc	TYBSc
B.Sc.	40	40	40	50	40	40	34	38	38

## 2. Students enrolled from other States/ Other Colleges

Sr. No.	Name of the Student	Other State/ Other College	Class-(FY/SY/TY)
1	Hitesh Vishwakarma	Uttar pradesh	FYIT

## 3. Students from Reserved category(SC/ST/OBC,OTHERS) / DIFFERENTLY ABLED

S.No.	Name of the Student	Reserved Category	Disability
1	Akash Soni	SC	-
2	CHAVAN PRATIK SUHAS	OBC	-
3	JAGTAP OM ROHIT	BUDDHIST	-
4	SAGAR GANESH LAXMAN	GAWANDI	-
5	WANKHEDE VEDIKA SURESH	BUDDHIST	-
6	NAGAVKAR SHRUTI RAJESH	OBC	-
7	BENERE SANIKA VASANT	OBC	-
8	GUPTA RAJ SABARJEET	OBC	-

	KAMBLI ATHRVA PRASHANT	OBC	
	MANDAVE PRASAD RAJESH	OBC	
	NADAR NITISH JEBASTIN PETER	OBC	
	HITESH VISHWAKARMA	OBC	
	GARUD SHEKHAR DNYANESHWAR	SEBC	
	DOIPHODE KARAN JITENDRA	SC	

**4. Syllabus revision if any .Course outcomes (If syllabus has changed). Attach as annexure NIL**

**5. ICT TOOLS USED BY TEACHERS**

<b>Name of the teachers</b>	<b>ICT tools and e resources used</b>	<b>Technique of using the ICT tools and e resources</b>
Hiral Joshi	Computers, printers, laptops, projectors, tablets / smart phones	1. Using laptops, projectors for online teaching learning 2. Tablets and smart phones for executing —Android Developerl code 2. Using computers and printers during practical sessions 3. Watching online tutorials of Unity projects.
Jayalalitha Iyer	Computers, printers, laptops, projectors, tablets / smart phones	1. Using laptops, projectors for performing practicals in R software , Scilab and Python. 2. Using computers and printers during practical sessions.

**6. Mentoring system in the department- write in 5-10 Points**

Online teaching – learning, remedial coaching (especially for slow learners), periodical tests, solving previous year question papers, project guidance, giving knowledge on

current trending technologies, career guidance.

### 7. Details of mentoring

Faculty	No. Of students	details of mentoring
Hiral Joshi	38	Teaching, remedial coaching, test and evaluation after each unit, career guidance
Jayalalitha Iyer	38	Teaching, solving problems and tests

### 8. Honours and recognitions received by teachers

*(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year ) NIL*

Name of the teacher	Designation	Name of the award, fellowship, received from Government or recognized bodies

### 9. Mention the continuous evaluation system and give details in the Part- II .

(Like Class tests, Seminars, Projects, PPT Presentations , Excursions reports , Hands on training during workshops, Personality development programmes or Lectures . )

**Conducted class tests, guided and evaluated projects, organized PPT presentations**

### 10. Pass percentage of students Year—

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year	Pass Percentage

			<b>examination</b>	
2019-20	BSC IT	38	38	100%
2020-21	BSC IT	38	38	100%

**CRITERION –III - RESEARCH, INNOVATIONS AND EXTENSION**

**1. Research funds sanctioned and received from various agencies, industry and other organisations NIL**

Nature of the Project	Duration	Name of the funding Agency	Total grant Sanctioned	Amount received during the Academic year

**2. Details of workshop/conference/seminar conducted by the department**

Title of Workshop/Seminar/Conference	Date(s)
webinar on DataScience Career & Job Prospects by ITVedant	25 Nov 2021

**3. Awards for Innovation won by Teachers/Students during the year NIL**

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
NIL				

**4. Teachers who have received recognition/awards/Incentives NIL**

**5. STARTUP created by students/ STARUP Work in progress/ Idea by staff or students LIFI Subhash chandrashekar Akash Soni**

**6. Details of publications NIL**

Sr. No	International/	Name of the Author/Authors	Topic/title	National/State	

Name of the Publication & Impact Factor

**7. Details of Books and Chapters in edited Volumes / Books published, and papers in National/International Conference/Seminar/ Symposia- Proceedings per Teacher during the year NIL**

Name of the teacher	Title of the book/conference proceeding with dates(National/International)	Title of chapter/research paper

**8. Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index Staff can mention the above details if available NIL**

**9. Number of Collaborative activities for research, faculty exchange, student exchange during the year NIL**

Nature of Activity	Participant	Source of financial support	Duration
NIL			

**10. Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year NIL**

Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Participant

**11. MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year NIL**

Organisation

	Date of MoU Purpose		Number of students/ teachers participated

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 1. Facility for e-content

<b>Name of the e-content development facility</b>	<b>Provide the link of the videos and media centre and recording facility</b>
Blogger	<a href="https://hiralupadhyay.blogspot.com/">https://hiralupadhyay.blogspot.com/</a>
YouTube	<a href="https://www.youtube.com/channel/UC_KSRcZ4DBgHdhLZYkojHutg?view_as=subscriber">https://www.youtube.com/channel/UC_KSRcZ4DBgHdhLZYkojHutg?view_as=subscriber</a>

### 2. 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

<b>Name of the teacher</b>	<b>Name of the module</b>	<b>Platform on which module is developed</b>	<b>Date of launching e – content</b>
Jayalalita Iyer	Cloud Computing	YouTube Blogger	1 Apr 2020 30 Apr 2020
Hiral Joshi	IOT	Blogger	13th May 2020

### 3. Technology up gradation in the Department

8 computers are upgraded with 1TB hard disk, i-5 processor and 8GB RAM

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 1. Scholarships and Financial Support

	<b>Name /Title of the scheme</b>	<b>Number of students</b>	<b>Amount in Rupees</b>
Financial support from institution	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>

Financial support from other sources :			
a) National	NIL	NIL	NIL
b) International	NIL	NIL	NIL

**2. Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,**

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Python Programming test	22 Mar 2021 to 24 Mar 2021	92	ITVedant

**3. Students benefited by guidance for competitive examinations and career counselling offered during the year**

Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
38	38	5	2

**4. Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year**

Grievances received	How the grievance was redressed	Average number of days for grievance redressal
NIL	NIL	NIL



**5. Student progression to higher education in percentage during the year**

Year	Number of students enrolling into higher education	Program graduated from	Dept graduated from	Name of institution joined	Name of Program me admitted to
2019-20	4	BSC- Information Technology	BSC- Information Technology	S K Somaiya College  Mumbai University  MIT WPU, Pune	M.Sc. Information Technology  Msc Information Technology  M.C.A.

**6.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	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET/SET/SLET/GATE/GMAT/CAT /GRE/TOEFL/CIVIL SERVICES/STATE GOVT. SERVICES/ ANY OTHER	NIL	NIL

**7.Student Participation and Activities NIL**

**5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)**

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
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### 8. Alumni involvement in department activities

Date	Nature of activity	Name of alumni
NIL	NIL	NIL

### 9. Alumni contribution during the year (in Rupees) / Meetings NIL

#### 1. Quality enhancement in teaching and learning

Class /Subject	New methods used	Details of the methods
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Security in computing (TYIT)	Online tutorial videos	The students watched online tutorial videos and then practiced hands on practicals.
SIC,SQA,BI,IT SM. (TYIT)	Zoom application	Remedial coaching and doubt solving through zoom app.
	Google classroom	Previous years question paper solving and posting solutions on Google classroom
(Computer Networking,c++ ,java,DBMS, DS)	Google classroom	Notes, Question bank, Assignments posted on google classroom

SYIT  (c++ prog., Maths, Stats, DS,operating system, WEB Prog.) FYIT	Zoom application	Online lectures through zoom classroom
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**2. No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year**

<b>Title of the professional development programme</b>	<b>Name of teachers who attended</b>	<b>Date and Duration (from – to)</b>
Webinar on Artificial Intelligence	Hiral Joshi	1 <sup>st</sup> May 2020
National level FDP on Online College Management and Online Content Creation tools	Hiral Joshi	1 <sup>st</sup> to 2 <sup>nd</sup> May
FDP on Online tools	Hiral Joshi	3 <sup>rd</sup> May 2020
Webinar on Business Intelligence	Hiral Joshi	8 <sup>th</sup> May 2020
Webinar on Effective ways to develop e contents	Hiral Joshi	9 <sup>th</sup> May 2020
Webinar on How to create educational videos	Hiral Joshi	10 <sup>th</sup> May 2020
Online IT Quiz	Hiral Joshi	10 <sup>th</sup> May 2020
Webinar on Current trends and opportunities in Ethical Hacking	Hiral Joshi	15 <sup>th</sup> May 2020

Teacher's Mental Ability, General Knowledge and Aptitude test	Hiral Joshi	22 <sup>nd</sup> May 2020
FDP on Cyber Security	Hiral Joshi	23 <sup>rd</sup> to 27 <sup>th</sup> May 2020
FDP on Online tools		

FDP on Moodle	Amitkumar Rai	20 <sup>th</sup> April to 25 <sup>th</sup> April 2020
FDP on Scilab	Amitkumar Rai	21 <sup>st</sup> April to 25 <sup>th</sup> April 2020
National level FDP	Amitkumar Rai	5 <sup>th</sup> June to 12 <sup>th</sup> June 2020
Webinar – ‘Mobius’ – a new Digital Education Online Platform	Amitkumar Rai	2 <sup>nd</sup> May 2020
National Webinar on Plagiarism and Research Integrity	Amitkumar Rai	31 <sup>st</sup> March 2021

**3. Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year**

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
NIL	NIL	NIL

**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**

1. Gender Equity (Number of gender equity promotion programmes organized during the year)

Title of the programme	Period (from-to)	Participants	
		Female	Male
Nil	NIL		

2. Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of	Number of	Name of the initiative	Issues addressed	Number of
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	initiatives to address locational advantages and disadvantages	initiatives taken to engage with and contribute to local community			participating students and staff
2020-21	NIL	2	<p>1) Volunteer in Covid camps in various areas of Bhandup, Kanjurmarg</p> <p>2) COVID19 Prediction Bot using Natural Language</p> <p>3) Fiana (Skin Tumor Prediction ChatBot)</p>	<p>Helping in covid camps in supply of food, medicines for senior citizens and disabled people during COVID-19 lockdown.</p> <p>This app can predict whether the person is corona positive analysing certain parameters. It can be used by doctors, health workers and common citizens during COVID-19 pandemic.</p> <p>Fiana is a chatbot in which you can analyze yourself for skin allergy and tumor. This app can be used by doctors, health workers as well as common</p>	<p>1 student</p> <p>1 student</p> <p>1 student</p>

					citizens	
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**3. Activities conducted for promotion of universal Values and Ethics**

Activity	Duration (from-----to-----)	Number of participants
NIL	NIL	NIL

**4. Environmental Consciousness/ Ecofriendly activities and Sustainability/Alternate Energy initiatives taken by the Department**

Steps taken to promote Environment conservation( Mention as points/ Table)

Activity

Duratic	f participants
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NIL	NIL	NIL
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**5. Steps taken for e-waste management/ waste management. NIL**

**PART- II**

**OTHER ACTIVITIES CONDUCTED/ INFORMATION OF TEACHERS/**

**STUDENTS 1.WORKSHOPS CONDUCTED ( Give details)**

Date/ Duration	Topic	Resource Person	Beneficiaries/ Classwise or Total	Outcome
25.11.2021	webinar on DataScience Career & Job Prospects	ITVedant	100	Exposure to applications of data science and various career options in Data science

**2.TRAINING PROGRAMMES CONDUCTED – In the College( Give details) ( Skill Development for employability)**

Date/ Duration	Topic	Resource Person	Beneficiari es/ Classwise or Total	Outcome
NIL	NIL	NIL	NIL	NIL

**3.TRAINING PROGRAMMES CONDUCTED – Outside the College/ students sent ( Give details)**

Date/ Duration	Topic	Organization Conducted	Beneficiaries/ Classwise or Total	Outcome
NIL	NIL	NIL	NIL	NIL

#### 4.STUDY TOURS ( Give details)

Date/ Duration	Place /Institution of Visit	Staff Accompanied	Beneficiaries/ Classwise	Outcome
			or Total	
NIL	NIL	NIL	NIL	NIL

			or Total	
NIL	NIL	NIL	NIL	NIL

#### 5.GUEST LECTURES ( Give details)

Date/ Duration	Topic	Resource Person	Beneficiaries/ Classwise or Total	Outcome
NIL	NIL	NIL	NIL	NIL

#### 6.NEW PRACTICALS/ ADDITIONAL PRACTICALS/ ASSIGNMENTS GIVEN

( Give details)

Sr.No.	Class	Title	Staff Conducted
NIL	NIL	NIL	NIL

#### 7.Outreach Activities ( Give details)

Date	Participating Departments	Organization / Community involvement	Beneficiaries



NIL	NIL	NIL	NIL
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**8. Projects ( DBT) / ANY OTHER ( Give details)**

Class/ Group	Project Title	Mentor Staff	Outcome
NIL	NIL	NIL	NIL

**9.Students Mentored for participation in Events outside the college (Avishkar, etc) ( Give details) NIL**

S.no	Name of the Event	College/ Organization	Names of students	Mentor teacher	Class

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**\* Prizes won**

S.No	Name of the Student	Class	Topic of Seminar/ PPT	Grade ( Optional)

**10.Seminars/ PPT / competitions organised for the Students with beneficiaries ( Give details) NIL**

S.No	Name of the Student	Class	Topic of Seminar/ PPT	Grade ( Optional)

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**11. Details of Bridge Course conducted : NIL**

**12. Movies/ Documentaries screened for the Students with beneficiaries. ( Give details) : NIL**

**13. Books Purchased /Equipments Purchased. ( Give details) : NIL**

**14. Scitrek Events/ TALENTEUX Events/ OTHER FESTS conducted with Prize winners/ Students participated. ( Give details) NIL**

S.No	Name of the Student	Class	Topic of Model/project	Grade ( Optional)
1	AKASH SONI	TYIT	LIFI	1st prize

**15. Teaching Aids made/ Purchased ( Permanent Charts/ models/ some collection for the Department, Softwares for the department, etc) ( Give details) : NIL**

**16. Committees of Teachers in the Department with their major contributions/ Activities organised by the staff. ( Give details) : NIL**

**17. Special mention/ contribution of the Staff/ Students. ( Give details) :**

**NIL 18. Future Plans of action for next academic year.**

Acquiring 100% results in FY, SY and TY.

Conducting extra-curricular activities.

Introducing certificate course.

**19. Any other information. NIL**