

Yearly Status Report - 2018-2019

Part A					
Data of the Institution					
1. Name of the Institution	SILICON INSTITUTE OF TECHNOLOGY				
Name of the head of the Institution	Dr. Jaideep Talukdar				
Designation	Principal				
Does the Institution function from own campus	Yes				
Phone no/Alternate Phone no.	06742728005				
Mobile no.	9051419777				
Registered Email	jaideep@silicon.ac.in				
Alternate Email	principal@silicon.ac.in				
Address	Silicon Hills, Patia				
City/Town	Bhubaneswar				
State/UT	Orissa				
Pincode	750124				
2. Institutional Status					

Autonomous Status (Provide date of Conformant of Autonomous Status)	27-Sep-2018		
Type of Institution	Co-education		
Location	Urban		
Financial Status	private		
Name of the IQAC co-ordinator/Director	Dr.Siba Sankar Nayak		
Phone no/Alternate Phone no.	06742728005		
Mobile no.	9861930033		
Registered Email	snayak@silicon.ac.in		
Alternate Email	snayak_2009@yahoo.com		
3. Website Address			
Web-link of the AQAR: (Previous Academic Year)	<u>http://www.silicon.ac.in/sitbbsr/qua</u> <u>litypolicy</u>		

4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://silicon.ac.in/wp-content/upload s/2022/01/Academic-Calendar- AY-2021-22.pdf

5. Accrediation Details

Cycle	Grade	CGPA Year of		Vali	dity
			Accrediation	Period From	Period To
1	А	3.04	2014	10-Dec-2014	09-Dec-2019
2	А	3.04	2018	04-Dec-2018	31-Dec-2023

6. Date of Establishment of IQAC

27-Jan-2012

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				

Role of Assessment and 07-May Accreditation for Quality 02 Assurance			-			45		
			n-2019)1			39		
		Vie	<u>w File</u>					
8. Provide the list of Special UGC/CSIR/DST/DBT/ICMR/T		-			nment-			
Institution/Departmen t/Faculty	Scheme		g Agency	Agency Year of award with Amount duration				
			Not Appli		!!!			
	N	o Files	Uploaded	!!!				
9. Whether composition of IGNAAC guidelines:	JAC as per la	atest	Yes					
Upload latest notification of form	nation of IQAC	;	<u>View File</u>					
10. Number of IQAC meeting year :	10. Number of IQAC meetings held during the year :							
	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 tak	en report	View	<u>File</u>				
	11. Whether IQAC received funding from any of the funding agency to support its activities during the year?							
12. Significant contributions	made by IQ/	AC during	the current	year(m	aximum five	bullets)		
1) Preparation of a proposal for applying to Govt. for University status 2) More encouragement for faculty research 3) Yearly action plan of a dept, designed, implemented and monitored with respect to various quality parameters 4) Periodic review of the quality policy in view of global perspective 5) Emphasis on ICT based teaching learning methods								
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	3. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality nhancement and outcome achieved by the end of the academic year							

Plan of Action	Achivements/Outcomes			
More emphasis on student innovations and start-ups.	Very encouraging with more participation by students with some winning state and National level hackathons.			
Faculties are encouraged to guide student for Ph.D work.	More number of faculty registered as Ph.D guides with the parent University recognising the institute as a Nodal Research Center in streams.			
At least one research paper per facuty per year in a reputed UGC notified journal	No and quality of paper gone up			
Vie	w File			
14. Whether AQAR was placed before statutory body ?	Yes			
Name of Statutory Body	Meeting Date			
Executive Council	16-Jul-2019			
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No			
16. Whether institutional data submitted to AISHE:	Yes			
Year of Submission	2020 03-Feb-2020			
Date of Submission				
17. Does the Institution have Management Information System ?	Yes			
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	All academic and administrative issues processed through ERP managed by the institute, The various modules include student admission, fees, hostel admission, their grievances, study material, faculty profiles, attendance , leave approval, purchase order, financial settlement, library book issue, staff details, various documentation.ERP(Enterprise resource planning for University / College Automation Software) is a unique and comprehensive automation Software package designed to effectively manage silicon institute at every level. It is a complete suite of applications that			

empowers us to automate all aspects of Institute management. User can create, manipulate and view relevant data in an efficient and friendly manner and Manage Multiple institute/department from Single Location. The ERP Software is cloud based software . Operational Modules in the ERP: i) Admission Module (From application of students to the institute to SIC number generation) ii) Students profile management(Detail profile of students) iii) Academic Module(Subject registration , Time Tables, Attendance, Feedback) iv) Exam Module(Exam conduction, Evaluation, Result Publication, Grade sheet Generation) v) Library Management vi) Training Placement vii) Alumni viii) Grievances ix) Finance Management x) Purchase xi) Budget xii) HR Management system xiii) Hostel xiv) Canteen xv) Transport Management

Part B

CRITERION I – CURRICULAR ASPECTS								
1.1 – Curriculum Design and Development								
1.1.1 – Programmes for	which syllabus	revisio	n was carrie	ed out durin	g the Academic	year		
Name of Programme Programme Code Programme Specialization Date of Revision								
BTech		UG		Computer science, ECE, , EEE, EIE,EEE, Eand IE			01/08/2018	
Mtech		PG		CSE,	EEE, ECE, MCA		01/08/2018	
			No file	uploaded	l .	•		
1.1.2 – Programmes/ co /ear					rship/ skill deve		-	
Programme with Code	Programm Specializati				Course with C	ode	Date of Introduction	
BTech	UG		01/0	8/2018	18HS1L02		01/08/2018	
			<u>Viev</u>	<u>v File</u>				
I.2 – Academic Flexib	 ility							
1.2.1 – New programme	s/courses intro	duced	during the A	cademic ye	ar			
Programme/Co	ourse	P	rogramme S	Specializatio	'n	Dates	of Introduction	
BTech		Electronics and Instrumentation Eng in place of Applied Electronics and Instrumentation			0:	1/08/2018		
			No file	uploaded				

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

ollege level during the Academic year	r.	
Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Computer science Engineering,Electronics communication, Electrical Electronics, Electronics I	01/08/2018
Mtech	Computer science &Engineering, Electrical & Electronics, Electronics & communication,	01/08/2018
MCA	MCA	01/08/2018
3 – Curriculum Enrichment		
.3.1 – Value-added courses imparting	g transferable and life skills offered dur	ing the year
Value Added Courses	Date of Introduction	Number of Students Enrolled
Professional Ethics Human Values	01/08/2018	527
	No file uploaded.	•
3.2 – Field Projects / Internships und	der taken during the year	
Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	computer science, Electronics, Electrical & Electronics	215
	<u>View File</u>	1
4 – Feedback System		
4.1 – Whether structured feedback r	eceived from all the stakeholders.	
Students		Yes
Teachers		Yes
Employers		Yes
Alumni		Yes
Parents		Yes
4.2 – How the feedback obtained is haximum 500 words)	being analyzed and utilized for overall	development of the institution?
Feedback Obtained		
grievances being recorded implementation of the reco defined mechanism of obtai	ually and on line mode. It and discusses in the right mmendations. The institute ning the feedback from the the institutional provision	forum. Steps are taken for has a clearly set and students to improve the

performance and quality of the institutional provisions. Student Feedback is obtained every semester in regard to Faculty, Teaching Learning Process, Course Curriculum. Parent feedback is obtained during the Parents Meet held on second Saturday of September every year. Alumni meet is held every year. Informal feedback is obtained from peer institutions and community and the outcomes are used for improvement of the curriculum through Principal and HODs, who in turn present the relevant extracts of the feedback / suggestions before the Academic Council / Board of Studies of the University for possible incorporation / modification of syllabi. The IQAC in the planning process considers feedbacks collected from all the stakeholders to prepare perspectives on development. These developmental perspectives are discussed in the respective meetings of Advisory Board, RC, PT and alumni. The reflections of the meetings are incorporated in the plan. The institution has developed evaluation tools for stakeholders to record their opinions, suggestions and objections for constructive developments for future.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	PG	54	12	2
MCA	PG	60	324	25
BTech	EEE	120	384	107
BTech	EIE	60	82	21
BTech	CSE	180	549	187
BTech	ECE	180	452	174

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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		Number of students enrolled in the institution	Number of fulltime teachers available in the	Number of fulltime teachers available in the	Number of teachers teaching both UG	
	(UG)	(PG)	institution teaching only UG courses	institution	and PG courses	
2018	489	26	126	2	128	

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), Elearning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e- Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used					
128	32	32	38	8	8					
View File of ICT Tools and resources										
	View File of E-resources and techniques used									

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

Yes.A group of 30 students is assigned a teacher as the Faculty Adviser. The FA takes feedback from the students regarding their grievances. FA submits monthly report to the H O Ds and the Dean. Report is discussed and corrective measures are taken. Faculty Advisor (Student Mentoring) Shared Vision: To ensure that all students have access to reliable, truthful, valid and one-to-one advising services for academic success over their

period of stay in the Institute. Objectives The primary purpose of academic advising is to assist students in their pursuit of life through the selected educational program, leading them to be well-established in life and prepare them as professionals good human beings in the modern society. Apart from monitoring their academic progress and other related activities, it also includes assisting students: (1) to adopt a healthy and success-oriented academic culture (2) to inculcate a disciplined and professional attitude (3) to understand institutional support services available (4) to understand institutional policies/procedures and abide by the rules regulations (5) to focus on academics and take decisions for academic success career planning, and (6) to overcome their personal problems (if any) and render required support and help. The Faculty Advisor Concept : Conceptually, the role of Faculty Advisor is intended to mentor guide the students for achieving academic success for which they have come to the Institute. In this context, faculty members are required to offer their best efforts in line with the Institute's mission to shape the student's career as well as impart essential life-skills. A group of 15 students are assigned to a selected faculty member, termed as the "Faculty Advisor" of that group, and remains in that role till the student successfully completes his/her course from Silicon. A Faculty Advisor is expected to closely interact with each student in the group primarily in a one-to-one manner, establish a trusting relationship with them and be in touch with their parents. In a way, the Faculty Advisor is envisioned to assume the role of a Social Parent, keep track of their day to day activities (including monitoring, mentoring, and facilitating academic co-curricular progress), extend a helping hand whenever required, and acts as a vital bridge between the parents and the Institute. Furthermore, a Faculty Advisor would also provide necessary motivation, encouragement, moral support, and primary counselling to the students to help them prepare for a successful professional career. Assuming the role of a Social Parent however does not authorize a Faculty Advisor to intentionally or unintentionally invade into their family aspects, religious/cultural values practices, relationships and personal lives in general. However, if anything is of a damaging nature or likely to damage the academic performance of a student as per the observations of the Faculty Advisor, he/she may express concern, discuss personally, advise and sensitize the student and/or bring the same to the knowledge of the parents, if required, depending on the outcomes of the advice.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2208	128	1:17

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
132	128	4	4	35

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies	
2019	Mrs. Manorama Swain	Assistant Professor	ISTE State level Best Teacher Award	
2018	Dr.Bimal Prasad Meher	Associate Professor	Best Thesis Award by CSI	
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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	UG		8	30	0/03/2019	14/06/2019	
BTech	UG		6	12	2/04/2019	26/07/2019	
BTech	UG		4	04	Ł/05/2019	03/08/2019	
BTech	UG		2	04/05/2019		17/06/201	
MCA	PG		6 12		2/04/2019	26/07/2019	
MCA	PG	4		04	Ł/05/2019	03/08/2019	
MCA	MCA PG		3	04	Ł/05/2019	17/06/2019	
		No file	uploaded.				
.5.2 – Average per e examinations dur	-	t complaints/grievar	nces about eva	aluatio	on against total nu	mber appeared ir	
Number of complai about eva	0	Total number of st in the exa		ared	Perce	entage	
1	35	2	100			7	
ion i rogram out	بريما والمتحامية والتحاد	ebsite of the institu	tion (to provid	e the	weblink)		
stitution are stated	silicon.ac.ir	/bbsr-home/b-		iter-	,	neering/	
.6.1 – Program out stitution are stated <u>https://</u> .6.2 – Pass percen	silicon.ac.ir			iter-	,	neering/	
titution are stated	silicon.ac.ir			of the	,	1	
https:// 6.2 – Pass percen Programme	tage of students Programme	n/bbsr-home/b- Programme	Number o students appeared in final year	of the	Number of students passed in final year	1	
6.2 – Pass percen Programme Code	tage of students Programme Name	Programme Specialization	Number o students appeared in final year examinatio	of the	Number of students passed in final year examination	Pass Percentag	
titution are stated <u>https://</u> 6.2 – Pass percen Programme Code UG	silicon.ac.ir tage of students Programme Name BTech	Programme Specialization Computer science Electronics & Communicat	Number o students appeared in final year examinatio 116	of the	Number of students passed in final year examination 111	Pass Percentag	
titution are stated <u>https://</u> 6.2 – Pass percen Programme Code UG UG	BTech	Programme Specialization Computer science Electronics & Communicat ion Electrical&	Number o students appeared in final year examinatio 116	of the	Number of students passed in final year examination 111 149	Pass Percentag	
titution are stated <u>https://</u> 6.2 – Pass percen Programme Code UG UG UG	BTech BTech	Programme Specialization Computer science Electronics & Communicat ion Electrical& Electronics Applied in strumentatio	Number o students appeared in final year examinatio 116 169	of the	Number of students passed in final year examination 111 149 107	Pass Percentag	
titution are stated https:// 6.2 – Pass percen Programme Code UG UG UG UG	BTech BTech	Programme Specialization Computer science Electronics & Communicat ion Electrical& Electronics Applied in strumentatio n	Number o students appeared in final year examinatio 116 169 121 47	of the	Science-engin Number of students passed in final year examination 111 149 107 40	Pass Percentage	

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

http://www.silicon.ac.in

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

		Yes				
	Name o	of the teacher getting see	d money			
		Dr. A.G Mohapatr	a			
		217 III C 110114 pa 01				
		<u>View File</u>				
1.2 – Teachers award	led National/Internation	onal fellowship for advance	ced studies	research o	during the year	
Туре	Name of the teache awarded the fellowship	Name of the award	Date of	award	Awarding agency	
National	Nill	Nill	N	i11	Nill	
		No file uploaded	•			
2 – Resource Mobil	ization for Researc					
.2.1 – Research funds	sanctioned and rece	ived from various agencie	es, industry	and other	organisations	
Nature of the Project	Duration	.		grant oned	Amount received during the year	
Major Projects	1095	DST, G O I	170	0000	1000000	
Major Projects	1095	SERB	0000	275000		
		No file uploaded	•			
3.2.2 – Number of ongo uring the years	ping research projects	per teacher funded by g	overnment	and non-go	overnment agencies	
		2				
3 – Innovation Ecos	system					
.3.1 – Workshops/Sen actices during the yea		Intellectual Property Righ	ts (IPR) an	d Industry-/	Academia Innovative	
Title of workshop	/seminar	Name of the Dept.			Date	
IPand techno innovations and under Make in start up i	l transfer india and	IQAC		1	3/08/2019	
IOT Work	shop C	SE with Lecture No Ltd	otes	0	4/09/2018	
IOT with Rasp	bherry Pi	ISTE Students chap	ter	0	2/02/2019	
	f Patents	ED Cell		1	0/01/2019	
Importance of		No file uploaded	•			
Importance of		NO IIIE upicaded				
	vation won by Institut	ion/Teachers/Research s	cholars/Stu	dents durir	ng the year	

Dev of innov tivesafety measure for to wheelers		Prasha Ranjan		TATA (20)	rucible 19	20)/02/20:	19	INNOVATIONS
Smart solution for drainage syste		wagat K Sahu	Cumar Smart Hackatho		Odisha on 2018	15/11/20		18	Urban planning
cost effective innovation fo agricultural use	effective Gho novation for gricultural		Manidipa Smart Ghosh Hackat		: India ithon			18	Smart innovation
Idea Generation Competition		Institut		MHRI Del), New .hi	21	L/11/20:	18	Idea Generation
				No file	uploaded	•			
3.3.3 – No. of Incub	ation cen	tre create	d, start-	ups incubat	ed on camp	us durii	ng the yea	ır	
Incubation Center	Nai	me	Spon	sered By	Name of Start-ເ		Nature c up		Date of Commencement
Incubation	ncubation Silicon Innovation and Incubation center		MSI	ME, GO I	VLS	3I	Smart	t Chip	15/01/2019
Incubation	Sil Innov ar Incub cen	nd ation	MSME, G OI		ІОТ		Innovation		21/12/2018
				No file	uploaded	•			I
.4 – Research Pu	blication	s and Av	wards						
3.4.1 – Ph. Ds awar	ded durin	g the year	r						
		Departme				Nun	nber of Ph	D's Awar	ded
Computer				ering				2	
1.4.2 – Research Pu	ublication	s in the Jo	ournals	notified on l	JGC websit	e during	the year		
Туре		D	epartmo	ent	Number	of Publi	cation	Average	Impact Factor (if any)
Internatio	onal	-	uter and Er	science ^{1g}		2			3.5
Internatio	onal		ctroni	.cs and ng		2			3
Nationa	.1		uter and Er	science ^{ng}		14			2.5
Nationa	1			cs and ation		6			2
Nationa	1		ctroni	.cs and ng		11			2

	nal	Basic science Humanities			12		1.5
Nation	nal	MCA			6		1
		No	file	upload	led.		
.4.3 – Books and roceedings per Te		edited Volumes / B g the year	ooks pu	blished,	and papers in N	ational/Internati	onal Conferenc
	Departi	nent			Numbe	r of Publication	
Elect	ronics In	nstrumentation				4	
Ele	ectrical	Electronics				2	
	M	CA				3	
	Electron	ics Comm.				9	
Bas	ic scienc	e Humanities				7	
	Computer	science				3	
		No	file	upload	led.		
.4.4 – Patents pu	ublished/awa	rded during the yea	r				
Patent Det	tails	Patent status		Pa	atent Number	Date	of Award
00		Nill			0		Nill
		No	file	upload	led.		
				domiou		versae citation in	day in Saanua
.4.5 – Bibliometri 'eb of Science or		blications during the dian Citation Index	last aca	idemic y	ear based on av	erage citation in	
			Yea Yea	r of	ear based on av	Institutional affiliation as mentioned in the publication	Number of citations excluding se citation
Veb of Science or Title of the	PubMed/ In Name of	dian Citation Index	Yea public	r of		Institutional affiliation as mentioned in	Number of citations excluding se
Title of the Paper Stress- Induced Va riability Studies in Tri-Gate FinFETs with Sourc e/Drain Stressor at 7 nm Technology	PubMed/ In Name of Author	dian Citation Index Title of journal Journal of Electronic	Yea public 20	r of ation	Citation Index	Institutional affiliation as mentioned in the publication SIT, Bhub	Number of citations excluding se citation

Title of the Paper	Name o Autho		Title of journal	Yea public		h-index	Number of citations excluding se citation	Institutional affiliation as If mentioned in the publication
Automated approach for detection of ischemic stroke using Delaunay T riangulati on in brain MRI images	M Da	sh	Computers in Biology and Medicine		018	94	14	SIT,Bhuk aneswar
Electro- osmotic flow of a third- grade fluid past a channel having stretching walls	S Pac	lhi	Nonlinear Engineerin g		019	15	8	SIT,Bhuk aneswar
				View	<u>File</u>			
.4.7 – Faculty pa	rticipation	in Se	minars/Confere	ences and	I Symposi	a during the ye	ar	
Number of Fac	ulty	Interr	national	Natio	onal	State	e	Local
Attended/S nars/Worksho			8		53	22	2	5
Presente papers	ed		24		2	2		2
Resource persons	e		0		7	8		11
				<u>View</u>	<u>/ File</u>			
5 – Consultano	;y							
.5.1 – Revenue g	generated	from	Consultancy du	uring the y	ear			
Name of the Co departme		1	Name of consul project	ltancy	Consul	ting/Sponsoring Agency		nue generated unt in rupees)
EEE(Pro Panda		a	Integrat etwork Plar nd system s for Mega L rigation p	nning study ift	ente	SaiSanket erprisers, yderabad		140000

Name of the	Title of the	Agency s	seeking /	Revenue genera	ated	Number of trainees
Consultan(s) department	programme	trair	-	(amount in rupe		
00	0		0	0		0
		No file	uploaded	l.		-
6 – Extension Activ	ities					
.6.1 – Number of exter on- Government Orga		-				
Title of the activitie	s Organising u collaboratin	• •	particip	r of teachers ated in such ctivities		umber of students articipated in such activities
11th Odisha D senior sports championship	5	ell, SIT		11		200
Cleaning Dri	ve Bhuba Municipa	neswar L corp.		14		287
Blood Donati	on Red	Cross		12		45
		No file	uploaded	l.		
.6.2 – Awards and rec Iring the year	ognition received for	extension act	ivities from	Government and	other	recognized bodies
Name of the activit	y Award/Red	ognition	Award	ling Bodies	N	umber of students Benefited
0	C	0		0		0
		No file	uploaded	ι.		
.6.3 – Students partici rganisations and prog				J ,		
Name of the scheme	Organising unit/Age cy/collaborating agency	laborating		he activity Number of teach participated in s activites		Number of student participated in sucl activites
Awareness						
Awareness	BMC	Gender tyAwar	Equali Teness	8		49
Swachhta Pakhwada	BMC Silicon Students Council and Campus-life Coordination Committee (CCC).	tyAwar	_			49 122
Swachhta	Silicon Students Council and Campus-life Coordination Committee	Clean	reness	8		
Swachhta	Silicon Students Council and Campus-life Coordination Committee	Clean	reness Liness12	8		
Swachhta Pakhwada 7 – Collaborations	Silicon Students Council and Campus-life Coordination Committee (CCC).	tyAwar Clean No file	reness Liness12 uploaded	8	ange	122
Swachhta Pakhwada 7 – Collaborations .7.1 – Number of Colla	Silicon Students Council and Campus-life Coordination Committee (CCC).	No file	uploaded	8 12 I.	ange	122
Swachhta Pakhwada 7 – Collaborations	Silicon Students Council and Campus-life Coordination Committee (CCC).	No file	uploaded	8	ange	122 during the year

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 Name of the Duration From Duration To Participant linkage partnering institution/ industry /research lab with contact details 0 0 Nill Nill 00 0 No file uploaded. 3.7.3 - MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year Organisation Purpose/Activities Number of Date of MoU signed students/teachers participated under MoUs Institute of 25/06/2019 5 collaboration in Engineers training and research View File **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 1553.84 459.19 4.1.2 - Details of augmentation in infrastructure facilities during the year Existing or Newly Added Facilities Others Newly Added Video Centre Newly Added Seminar halls with ICT facilities Newly Added Classrooms with LCD facilities Newly Added Laboratories Existing No file uploaded. 4.2 – Library as a Learning Resource 4.2.1 - Library is automated {Integrated Library Management System (ILMS)} Name of the ILMS Nature of automation (fully Version Year of automation software or patially) SILICON ERP Fully 2.0 2014 4.2.2 - Library Services Newly Added Total Library Existing Service Type 37722 38387 Text 8841 455 665 9296 Books <u>View File</u>

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 & amp; institutional (Learning Management System (LMS) etc

Dr. J.					is de	m on which module is developed			Date of launching e- content	
	P.Mohant	Alg	utomata : jorithm, I PS, Graph:	OBMS,	LMS, I	ecturend	otes	12/08/2019)
Dr. J.	Senapati	L I	DP		LMS,			14/03/2019		
Dr. B.	Padhi		accounting sting	LMS		11	L/12/2018	}		
Dr. P.	K Tripat	hy (.ao	Lectur	renotes		24	4/04/2019)	
Mr. G.R.Biswal			lectrica hines	L	Youtuk	be		17	7/06/2019)
Dr. S.S.Rout			Software gineering		Lectur	renotes		21	L/01/2019)
				No file	uploaded	•				
.3 – IT Infra	astructure									
.3.1 – Tech	nology Upç	gradation (overall)							
Type Total Co Com		Computer Lab	Internet	Browsing centers	Computer Centers	Office	Depai nt		Available Bandwidt h (MBPS/ GBPS)	Others
Existin g	798	435	54	0	10	54	24	5	150	0
Added	42	22	5	0	0	5	10)	55	0
Total	840	457	59	0	10	59	25	5	205	0
.3.2 – Band	lwidth avail	able of inte	ernet connec	tion in the l	nstitution (Le	eased line)				
				205 MB	PS/ GBPS					
.3.3 – Facili	ity for e-cor	ntent								
Name	e of the e-c	ontent dev	velopment fa	cility	Provide t		ne vide cording		id media ce ity	ntre and
	Stu	ıdy Mate	rials			https://	www.	sili	.con.ac.i	<u>n</u>
4 – Mainte	enance of	Campus	Infrastructu	ire						
.4.1 – Expe omponent, c			aintenance	of physical f	acilities and	academic	suppo	rt faci	lities, exclud	ding salar
-	d Budget o nic facilities		penditure ind intenance of facilitie	academic	Assigned budget on physical facilities facilities facilities				physical	
4	£51 . 17		333.	94		495.97			302.0	53

An administrative set up is in place with a senior faculty as the H O D establishment. He is the budgetary and monitoring head of the maintenance part

supported by a civil engineer, an electrical engineer along with a no of supporting staffs. Construction part is fully looked after by a site engineer with a lot of ground staffs and supervisors. There is a Dean(Administration) looking after the general academic and general administration. Our system is having a senior faculty in charge of sports/ music clubs. Enough lab staffs are there for lab maintenance with a faculty as Lab coordinator. Various support facilities are well maintained with regular supervision and up gradation. Hostel administration is well maintained by a good no of support staffs with a warden . A hostel committee is in place for both boys and girls with faculty and student members. The entire functioning of the Institute is divided into three areas, viz., teaching, research and nonteaching, for administrative purposes. Accordingly, to facilitate smooth administration of the Institution following authorities help Principal carry out the responsibilities 1. Dean (Academics) will co-ordinate between the teaching departments and all activities involving teaching, viz., teaching, examinations, timetable etc. 2. Dean (Research) will co-ordinate all research and research related activities. 3. Dean (Administration) will co-ordinate all other activities. 4. Each department shall have a Head who shall be designated from among Its members, on the recommendation of the Director. 5. The Deans and the departmental Heads shall be responsible to the Director for the proper working of their respective Departments. The system of governance makes provision for the consideration of faculty, student, and employee views and judgments in those matters In which these constituencies have a direct and reasonable Interest. The System's policies, regulations, and procedures concerning the Institute are clearly defined and equitably administered. In addition to the principal bodies stated earlier, the college has the following support Committees/Cells to facilitate smooth functioning of the college: 1. Internal Quality Assurance Cell (IQAC) 2. Cell for Statutory Bodies 3. Disciplinary Committee 4. Grievance Committee 5. Committee Against Sexual Harassment (CASH) 6. Anti ragging committee 7. Anti ragging Squad 8. Examination Cell 9. Establishment Cell 10. Library Cell 11. Cell for ERP Academics 12. Staff Welfare Cell 13. Residence Cell 14. Student Council Cell 15. Sports Culture Cell 16. Accounts Cell 17. Purchase Cell 18. Transport Cell 19. Publication Cell 20. Industry Interface Cell The aforesaid Committees / Cells help in decentralised smooth functioning of the Institution. Rules, Regulations and Policies: Silicon Institute of Technology has well defined Rules, Regulations and Policies governing academic administrative functioning of the Institution that includes Student Handbook, Service Rules, Recruitment Policies, Staff Appraisal and Development Pi Promotional Policies etc. These Rules, Regulations and Policies are available online in the Institutional ERP system for awareness of Student and Staff. Decentralization in working and grlevance redressal mechanism .

http://www.silicon.ac.in

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	Silicon merit, Silicon Employee	28	336000
Financial Support from Other Sources			
a) National	Govt merit, Medhabruti	227	4592000
b)International	Nill	Nill	Nill

<u>View File</u>

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 Date of implemetation Number of students Agencies involved enhancement scheme enrolled Entrepreneurship 11/01/2019 125 NSTEDB, Govt of Awareness Camp India NSTEDB, Govt of Entrepreneurship 24/09/2018 150 Awreness Camp India IoT with 02/02/2019 40 IEEE Raspberry pi Meditation 17/01/2019 Yoga Club 120 22/03/2019 219 Language Lab Globarena View File 5.1.3 - Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year Name of the Number of Number of Number of Year Number of studentsp placed scheme benefited benefited students who students for have passedin students by competitive career the comp. exam examination counseling activities 2018 21 124 11 432 Pre placement Training, Career counselling 2019 12 120 452 Pre 17 placement Training, Career counselling No file uploaded. 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 12 4 4 5.2 – Student Progression 5.2.1 - Details of campus placement during the year On campus Off campus Nameof Number of Number of Nameof Number of Number of stduents placed organizations students stduents placed organizations students visited participated visited participated 21 562 338 9 124 98 <u>View File</u>

2019 3 B Tech CSE, EEE KIIT Mtec 2018 5 B Tech ECE, CSE Xavier Institute of Management, BESR MBA 2018 5 B Tech ECE, CSE Xavier Institute of Management, BESR MBA 3 Students qualifying in state/ national/ international level examinations during the year NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services) Imagement, BESR MBA CAT 12 CAT 10 Any Other 8 No file uploaded. Activity Level Number of Participants Cricket Tournament University 28 Inter college volleyball University 28 Inter college Table University 30 Vo file uploaded. Student Participation and Activities 1. No file uploaded. Volleyball Inter college University 30 Volleyball Inter college University 11 V	Year	Number of students enrolling into higher educatior	Prograr graduated		Deprati graduate		Name of institution joined	Name of programme admitted to
2018 5 B Tech ECE, CSE Xavier Institute Of Management, BBSR MBA No file uploaded. 3 - Students qualifying in state/ national/ international level examinations during the year NET/SET/SLET/GATE/GATE/GAT/CAT/GRE/TOFEL/Civil Services/State Government Services) GATE 12 CAT No file uploaded. Any Other Activity Activity CAT Activity CAT Activity Activity CAT Activity CAT No file uploaded. Activity Car No file uploaded. Activity Cricket Tournament University So file uploaded. Activities To file uploaded. Activities No file uploaded. Activities / college University 11 Car So file uploaded. Activitie Acti	2019	2	Bt	ech	CSE,	ECE		Mtech
No file uploaded. .3 - Students qualifying in state/ national/international level examinations during the year NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services) Items Number of students selected/ qualifying GATE .12	2019	3	вт	ech	CSE,	EEE	KIIT	Mtech
3 - Students qualifying in state/ national/ international level examinations during the year NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services) Items Number of students selected/ qualifying GATE 12 CAT 10 Any Other 8 No file uploaded. 4 - Sports and cultural activities / competitions organised at the institution level during the year Activity Level Number of Participants Cricket Tournament University 28 Inter college University 30 volleyball University 11 Inter college table University 11 Inter college table No file uploaded. 11 Volleyball University 11 Inter college table University 11 Year Name of the awards/medals for outstanding performance in sports/cultural activities at national/international (awards for awards for Sports Student ID Name of student Student 2017 EEE Year Name of the award/medal National Nill 1 2017 EEE Sama Student 2017 EEE 2018 English Elocution National Ni	2018	5	ВТ	ech	ECE,	CSE	Institute Of Management,	MBA
NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services) Items Number of students selected/ qualifying GATE 12 CAT 10 Any Other 8 No file uploaded. 4 - Sports and cultural activities / competitions organised at the institution level during the year No file uploaded. Activity Level Number of Participants Cricket Tournament University 28 Inter college volleyball University 11 Inter college table Tennis Von file uploaded. 11 No file uploaded. No file uploaded. No file uploaded. - Student Participation and Activities No file uploaded. No file uploaded. Year Name of the awards/medals for outstanding performance in sports/cultural activities at national/internati (award for a team event should be counted as one) Number of awards for Sports Student ID Name of studes for Cultural 2018 English Elocution National Nill 1 2017 EEE Sama Swai Swai Swai Swai Swai Swai Swai Swa			No	file u	ıploade	d.		
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CAT 10 Any Other 10 Any Other 8 No file uploaded. Activity Level Number of Participants Activity Level Number of Participants Cricket Tournament University 28 Inter college University 28 Inter college Table University 11 Tennis No file uploaded. Student Participation and Activities Activity Student Participation and Activities And of the award/medals for outstanding performance in sports/cultural activities at national/internate (award for a team event should be counted as one) Number of awards for Cultural Number of awards for Sports Student ID Name of sports/cultural activities at national/internate (award for a team event should be counted as one) Year Name of the award/medal Number of Sports Student ID Name of sports Student ID <th< td=""><td></td><td>Items</td><td></td><td></td><td>N</td><td>umber of</td><td>f students selected/</td><td>' qualifying</td></th<>		Items			N	umber of	f students selected/	' qualifying
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Inter college volleyball University 30 Inter college Table Tennis University 11 No file uploaded. Student Participation and Activities - Student Participation and Activities Inter of awards/medals for outstanding performance in sports/cultural activities at national/international (award for a team event should be counted as one) Year Name of the award/medal National/ Number of awards for Cultural Student ID number Name of student international 2018 English Elocution National Nill 1 2018 CSE Swara 2018 English Elocution National Nill 1 2017 EEE Smara 2018 Hindi Elocution National Nill 1 2017 EEE Swara 2018 Hindi Elocution National Nill 1 2017 EEE Swara 2018 Hindi National Nill 1 2017 EEE Swara		Activity		Leve	əl		Number of	Participants
volleyball University 11 Inter college Table Tennis University 11 No file uploaded. Student Participation and Activities - Student Participation and Activities .1 - Number of awards/medals for outstanding performance in sports/cultural activities at national/international (award for a team event should be counted as one) Number of awards for Cultural activities at national/international (awards for Cultural activities) Name of the student international (university) Year Name of the award/medal National/ International Number of awards for Cultural Student ID number Name of student Student international (university) 2018 English Elocution National Nill 1 2018 CSE Sward Bara 2018 Hindi Elocution National Nill 1 2017 ECE Show Santos	Cricke	t Tournament		Unive	rsity			28
Tennis No file uploaded. Student Participation and Activities - Student Participation and Activities 1 - Number of awards/medals for outstanding performance in sports/cultural activities at national/international (award for a team event should be counted as one) Number of awards for a team event should be counted as one) Number of awards for awards for functional Number of awards for Sports Student ID number Name of student Student Sports 2018 English Elocution National Nill 1 2018 CSE Swara Swara 2018 English Elocution National Nill 1 2018 CSE Swara 2018 Hindi Elocution National Nill 1 2017 ECE Showe Santos		-		Unive	rsity			30
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1 - Number of awards/medals for outstanding performance in sports/cultural activities at national/international (award for a team event should be counted as one)Number of awards as one)Student IDName of student of awards for CulturalYearName of the award/medalNational/ InternationalNumber of awards for SportsNumber of awards for CulturalStudent ID numberName of student of awards for Cultural2018English ElocutionNationalNill12017 EEESana Kuma Swai2018English ElocutionNationalNill12018 CSESwar Bara2018Hindi ElocutionNationalNill12017 ECEShow Santos	– Student P	Participation and A	ctivities					
award/medalInternaionalawards for Sportsawards for Culturalnumberstuder2018English ElocutionNationalNill12017 EEESana Kuma Swai2018English ElocutionNationalNill12018 CSESwar Bara2018Hindi ElocutionNationalNill12017 ECEShow Santos	.1 – Number	of awards/medals for	outstanding		ince in sp	orts/cult	ural activities at nat	ional/internatio
ElocutionNationalNill12018 CSESwar2018English ElocutionNationalNill12018 CSESwar2018Hindi ElocutionNationalNill12017 ECEShwar2018Hindi ElocutionNationalNill12017 ECEShwar	Year			awards	s for	awards	for number	Name of the student
ElocutionBara2018Hindi ElocutionNational NillNill12017 ECE Santos	2018		National	Ni	11	1	2017 EE	E Sanat Kumar Swain
Elocution Santos	2018	_	National	Ni	11	1	2018 CS	E Swara Baral
No file uploaded.	2018		National	Ni	11	1	2017 EC	E Shwet Santosh
			No	file u	ıploade	d.		
.2 – Activity of Student Council & amp; representation of students on academic & amp; administrative	.2 – Activity c	of Student Council &a	imp; represe	ntation of	students	on acad	emic & admini	strative

group, Only students with good attendance, performance is eligible for standing as a member. The selected representatives choose one as the Secretary General.Silicon student council takes the charge of maintaining good atmosphere, discipline of the institute. The SG is the member of the disciplinary committee, IQAC, and some other decision making body. Student representatives from student council are the members of Canteen committee, Residence committee, Cultural and sports committee. The annual function is fully organised by the council. It conducts the Annual Tech Fest, Cultural Night, various other meets such as Induction Programme for new students, The anti ragging committee, anti ragging squad , do have active student members. The grievance readdressal committee is having student members. Charter of Silicon Students' Council OVERVIEW: Silicon Students' Council (SSC) is the student body representing students' interest and engagement in achieving a common goal of becoming a leading center of excellence. It was established in 2005 and has been actively involved itself in building student leadership in pursuit of technical events and humanitarian causes. The council is a representative structure, led by the Secretary General and its eminent office bearers which comprise of Core Team, Secretary Academics and Amenities. OBJECTIVES: SSC supports students in getting them involved in various activities, brainstorming for improved solutions for concerns, involving them in leadership and team activities to learn all aspects of a professional and promote holistic development in students. They assist and facilitate in the affairs of the Institute, working in partnership with various Clubs, Cells and Committees. SPECIFIC GOALS: To encourage democracy, team work, ideas and innovation, education and leadership COUNCIL FORMATION: The formation of the Council is an annual process of nominations and election from the present student base of the Institution. Selection of the Secretary General, their Core Team, Joint Secretaries and Activity Coordinators are done during the annual process. The tenure of each council is limited to one academic session, after which the term automatically stands concluded. THE ADVISORY COMMITTEE: The Advisory Committee comprises the Director and Dean (estb.) with the overall process being reviewed by Faculty in Charge (FIC). The committee is further assisted by Faculty coordinators and SPOCs of different Clubs, Cells and Committees functional in the Institute. POSTS IN THE COUNCIL: • Secretary General • Core Team Members • Secretary Academics • Secretary Amenities • Joint Secretary Academics • Joint Secretary Amenities• Activity Coordinators The Silicon Students' Council is committed to deliver their responsibility towards the students' interests in the Academics and Co? Curricular Activities. The major activities taken up by the Council are as follows: • Annual Function • Annual Sports • Annual Technical Fest • Blood donation Camp • Green Campus Besides the main events, the Council supports in organizing the events of the other departments including, Academics, Placement, Music Club, Residence Committee, and Admission Office as and when scheduled, through the help of the Activity Coordinators for the respective Department of the Institution.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Our first Alumni Meet was held at Mumbai on the 25th March 2006. A proud set of 30 members joined hands to share their views and dreams of thinking big and beyond. Registered in the year 2008 Silicon Alumni Association (SAA) is now a body, keen to take charge as Office Bearers and bring Academics closer to Industry and Research and build a family prosperous and humane, noble and contributing to the humankind in a larger way!Vision: To become a center of excellence in the fields of technical education research and create responsible citizens. Mission: To provide the best of technical skills, professional ethics, and human values in enriching the disciplines of Science, Engineering and Technology for social development and Nation building.

5.4.2 – No. of registered Alumni:

1018

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

200000

5.4.4 – Meetings/activities organized by Alumni Association :

Annual meet, Organised talk, Participation in various extensive activities, The 10th Alumni Meet was organized on 28th December 2017 inside the campus. There were 214 alumni members from different passing out batches attended the meet. Dr. Jaideep Talukdar (Principal) delivered the welcome address. A small cultural program and other entertainment programs were organized in the evening

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)

1-Participation of members and staffs of a department in the decision making process. 2-Discussion on various staff grievance and other issues in the monthly quality circle meeting and the decisions conveyed to the institutional decision making bodies. The quest for good technical education with a social look and human value 2- Participatory management and work culture Over a period of 18 years, Silicon has evolved a series of best practices that has helped it to emerge as a centre of excellence. Some of them are: 1. Effective pedagogy and student-centric learning by self and ICT based learning. 2. Secular campus with no religious bias. 3. Seminars by senior faculty members and industry experts. 4. Training of students for placement examination and interview. 5. Institution e-mail ID for every staff student. 6. Special classes for academically slow learners. 7. Chamber consultancy/assistance available to students. 8. Standard guidelines for faculty members to prepare lesson plans, model answers and course handouts. 9. In-house projects under the guidance of faculty members. Many of these projects have won prizes in various competitions. 10. Infosys "Campus Connect" programme for selected students 11. The annual function and tech fest for all round development of the students 12. A student council works for the social cause and betterment of students 13. Best Student award of the year 14. Communicative English programme to strengthen the communication skills of the student. 15. Heads conduct regular monitoring of the syllabi coverage by the faculty members. 16. Detailed supplementary courseware files prepared to augment the course syllabus. 17. Thrust given to ICT enabled courses and ICT competency. 18. Knowledge communication centre to provide research and learning. 19. Open House Science programme. 20. In-house documentation centre. 21. Industry-Silicon interaction activities are promoted. 22. Innovation and Incubation facilities for students. 23. Entrepreneurship awareness and development programmes for students on regular basis 24. Efficient ERP system manages all academic and administrative activities. 25. Top-ranked Institute Innovation Cell (IIC) encourages and monitors Institute research and entrepreneurship activities. 26. Seed money given to faculty members to encourage inter-disciplinary research, culminating in external funding 27. Several active MoUs in place with with leading government and private organizations, in both academia and industry. Silicon Incubation Centre Silicon's incubation center is a place to build future entrepreneurs mainly from Silicon faculties and students and see them realize their dreams. The focus areas are: • Entrepreneurship Development • Building Industry-Student and Industry-Faculty Relationships • Building Industry Focused

Technology Value Stream • Employment Generation • Enable Automation in the Local Market Examination Process in Silicon • Dedicated examination halls with CCTV surveillance • Fair, strict, and streamlined Examination • Transparent and continuous evaluation • ERP enabled question setting, Quiz, Exam Scheduling and Processing • Online evaluation, mark submission and result processing • Most trusted examination centre of BPUT • Facilities for National level competitive examinations (both online and offline The Approach to Curriculum for UG Degree Programs needs to lay special emphasis on educating.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	Transparent process of admission
Industry Interaction / Collaboration	Proper utilization of various collaboration and industrial linkage
Human Resource Management	Proper use of human resources in various strategic role
Library, ICT and Physical Infrastructure / Instrumentation	Emphasis on e resources and effective use of ICT and other facilities.
Research and Development	Thrust on interdisciplinary research and focus on emerging areas.
Examination and Evaluation	Transparency in examination and evaluation process which is mostly done on line with various level of moderation, change in question set up.
Teaching and Learning	Use of ICT and other e resources for improving class room teaching and learning.
Curriculum Development	Participation of all faculty in the curriculum revision once in 2 years under the Autonomous system.

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

E-governace area	Details
Administration	Administration fully managed by the ERP system with help of various modules designed in an effective way
Finance and Accounts	ERP modules include budget making, approval, execution of various work order, order execution, auditing, salary disburshment
Student Admission and Support	Admission, unique id creation,hostel admission, fee collection, recording of grievance, leave approval
Examination	Examination erp module includes notification of schedule, question set up, moderation, answer sheet ,admit card, seating arrangement generation,

	evaluation.result publish, re
	examination, grade sheet generation
Planning and Development	mostly executed by the ERP system i

a systematic and transparent way

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	Siba Sankar Nayak	National seminar on Future India, Science Technology	Association of Chemistry Teachers	1000			
<u>View File</u>							

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Language skill for Leadership Management	Language Training	26/04/2019	27/04/2019	24	8
2018	Leadership Quality En hancement	Leadership Quality En hancement	21/12/2018	22/12/2018	21	4

No file uploaded.

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
Web Application Deveplopment	28	01/09/2018	08/09/2018	8
Imtroduction to Robotics	35	18/01/2019	19/01/2019	02
Internet of Things	56	26/10/2018	03/11/2018	8
Public policy Research	23	27/06/2019	27/06/2019	01

Importance of thinking big in life	42		18/12	2/2018	18	/12/201	8	01
Induction programme for students	2		06/07/201		08/07/2018		8	03
Faculty Developement programme	47		08/0	7/2019 13/0		/07/201	9	06
			No file	uploaded	•			
6.3.4 – Faculty and Stat	ff recruitment (r	no. for pe	ermanent re	cruitment):				
	Teaching					Non-tea	ching	
Permanent		Full Tim	e	Pei	manent			Full Time
6		6			11			11
6.3.5 – Welfare scheme	s for							
Teaching	J		Non-tea	aching			Stud	ents
GHI, EPF, O vehicle, h		ESI,Own your Vehicle scheme, Own your Home, EPF			scholarship(Silicon Merit, Silicon Employee)			
6.4 – Financial Manag	ement and Re	esource	e Mobilizat	ion				
6.4.1 – Institution condu					arly (wit	h in 100 w	ords ead	:h)
dept, banks. In notification. approval and ac 6.4.2 - Funds/Grants	It is conducted in the second	icted i g agen f	in a tran cies.It or trans	nsparent is uploa parency.	way a ded i	nd subm n the in	itted nstitu	to various tion website
vear(not covered in Crite Name of the non g	,							nropies during the
		Fun	ds/ Grnats r	eceived in l	Rs.		Purp	
funding agencies		Fund	ds/ Grnats r	eceived in l	Rs.		Purp	
-				0				
funding agencies // 00	individuals							pose
funding agencies /	individuals			0				pose
funding agencies // 00	individuals			0 uploaded				pose
funding agencies // 00	individuals		No file	0 uploaded				pose
funding agencies // 00 6.4.3 – Total corpus fun	individuals id generated Assurance Sy	vstem	No file 70000	0 uploaded	•			pose
funding agencies // 00 6.4.3 – Total corpus fun 6.5 – Internal Quality	individuals id generated Assurance Sy	vstem	No file 70000 Audit (AAA)	0 uploaded	•			000 00
funding agencies // 00 6.4.3 – Total corpus fun 6.5.5 – Internal Quality / 6.5.1 – Whether Acader	individuals id generated Assurance Sy	v stem strative	No file 70000 Audit (AAA)	0 uploaded 0000	done?	Yes/No		000 00

Administrativ	7e Yes		Pa: Univer IQAC(exte: expe	By an rnal		Yes	Internal Audit Team appointed by IQAC	
6.5.2 – Activities an	d support from the	Parent -	- Teacher A	ssociation	(at least	three)		
2-Constru	ctive suggest eetings. 3- E	ions a fforts	are consi	dered an en to ge	d put t act:	before IQA ive support		
6.5.3 – Developmer	nt programmes for	support	staff (at leas	st three)				
1- More coverage under ESI scheme 2-Proposal under active consideration for some retirement benefit like gratuity 3- Focus on some work related incentives during service								
6.5.4 – Post Accred	itation initiative(s) (mention	at least thr	ee)				
 1- Improvement in teaching learning by adopting different methodology looking at the intake of students. 2- Upgrade various quality parameters for getting NBA accreditation for 6 yrs. 3- Attracting students for the PG program with more thrust on research based curriculum and their placement aspects. 6.5.5 - Internal Quality Assurance System Details 								
a) Submis	sion of Data for AIS	SHE por	tal	Yes				
	Participation in NIR					Yes		
,	c)ISO certification					No		
d)NBA	or any other qualit	y audit				Yes		
6.5.6 – Number of C	Quality Initiatives ur	dertake	n during the	e year				
Year	Name of quality initiative by IQAC		ate of cting IQAC	Duration	From	Duration To	Number of participants	
2018	Process of Accreditatio n and Assessment	05/	02/2018	05/02/	2018	06/02/20:	18 42	
2019	Role of Teachers towards Autonomy	14/	05/2019	14/05/	2019	15/05/20:	19 32	
		- 	No file	uploaded	l.			
CRITERION VII -	INSTITUTIONA	L VAL	UES AND	BEST PF	ACTIC	ES		
7.1 – Institutional	Values and Socia	l Resp	onsibilities	S				
7.1.1 – Gender Equ year)	ity (Number of gen	der equi	ity promotio	n programm	nes orga	anized by the ins	stitution during the	
Title of the programme	Period fro	m	Perio	d To		Number of F	Participants	
					I	Female	Male	
Gender Equality	08/03/2	2019	08/0	3/2019		47	25	

7.1.2 – Enviro	nmental Consc	iousness	and S	Sustainability/A	Alternate Energ	gy ini	tiatives su	ich as:		
F	Percentage of p	ower requ	uirem	ent of the Univ	ersity met by t	he re	enewable	energy source	S	
	ternative s ct programm									
7.1.3 – Differe	ently abled (Divy	yangjan) f	riend	liness						
Item facilities Yes/No Number of beneficiaries										
Physical facilities Yes 2										
Provision for lift Yes 4										
1	Rest Rooms			Y	es			11		
Special skillYes2development for differently abled students2										
7.1.4 – Inclusi	on and Situated	dness								
YearNumber of initiatives to addressNumber of initiativesDateDurationName of initiativeIssues addressedNumber of participating students and staffYearNumber of initiatives to addressNumber of initiativesDateDurationName of initiativeIssues addressedNumber of participating students and staffIocational and disadva ntagesengage with local communityDateDurationName of initiativeIssues addressedNumber of participating students and staff										
2018	1	1		22/11/2 018	01	r	leanli Ness rive	Awareness	24	
2019	1	1		17/10/2 019	01	computer literacy		Education	35	
	•			No file	uploaded.					
7.1.5 – Humar	n Values and P	rofessiona	al Eth	nics						
	Title			Date of pu	ublication		Foll	ow up(max 10	0 words)	
		No D	ata	Entered/No	ot Applical	ble	111			
7.1.6 – Activiti	es conducted f	or promot	ion o	f universal Valu	ues and Ethics	6				
Act	tivity	Du	Iratio	n From	Durati	on To	D	Number of	participants	
	s in work ture	1	.0/0	5/2019	10/0	5/2()19	1	25	
	skill for sionals	0	5/0:	1/2020	05/03	1/20)20		52	
				No file	uploaded.					
7.1.7 – Initiativ	ves taken by the	e institutio	on to i	make the camp	ous eco-friendl	ly (at	least five)		
awareness	ts, plantat campaign,									
7.2 – Best Pra										
7.2.1 – Descri	be at least two	institution	al be	st practices						

1-The quest for good technical education with a social look and human value 2-Participatory management and work culture Over a period of 18 years, Silicon has evolved a series of best practices that has helped it to emerge as a centre of excellence. Some of them are: 1. Effective pedagogy and student-centric learning by self and ICT based learning. 2. Secular campus with no religious bias. 3. Seminars by senior faculty members and industry experts. 4. Training of students for placement examination and interview. 5. Institution e-mail ID for every staff student. 6. Special classes for academically slow learners. 7. Chamber consultancy/assistance available to students. 8. Standard guidelines for faculty members to prepare lesson plans, model answers and course handouts. 9. In-house projects under the guidance of faculty members. Many of these projects have won prizes in various competitions. 10. Infosys "Campus Connect" programme for selected students 11. The annual function and tech fest for all round development of the students 12. A student council works for the social cause and betterment of students 13. Best Student award of the year 14. Communicative English programme to strengthen the communication skills of the student. 15. Heads conduct regular monitoring of the syllabi coverage by the faculty members. 16. Detailed supplementary courseware files prepared to augment the course syllabus. 17. Thrust given to ICT enabled courses and ICT competency. 18. Knowledge communication centre to provide research and learning. 19. Open House Science programme. 20. In-house documentation centre. 21. Industry-Silicon interaction activities are promoted. 22. Innovation and Incubation facilities for students. 23. Entrepreneurship awareness and development programmes for students on regular basis 24. Efficient ERP system manages all academic and administrative activities. 25. Top-ranked Institute Innovation Cell (IIC) encourages and monitors Institute research and entrepreneurship activities. 26. Seed money given to faculty members to encourage inter-disciplinary research, culminating in external funding 27. Several active MoUs in place with with leading government and private organizations, in both academia and industry. Silicon Incubation Centre Silicon's incubation center is a place to build future entrepreneurs mainly from Silicon faculties and students and see them realize their dreams. The focus areas are: • Entrepreneurship Development • Building Industry-Student and Industry-Faculty Relationships • Building Industry Focused Technology Value Stream • Employment Generation • Enable Automation in the Local Market Examination Process in Silicon • Dedicated examination halls with CCTV surveillance • Fair, strict, and streamlined Examination • Transparent and continuous evaluation • ERP enabled question setting, Quiz, Exam Scheduling and Processing • Online evaluation, mark submission and result processing • Most trusted examination centre of BPUT • Facilities for National level competitive examinations (both online and offline The Approach to Curriculum for UG Degree Programs needs to lay special emphasis on educating/preparing the students well for being able to demonstrate the following abilities: (a) Effective application of knowledge of mathematics, science and technical subjects (b) Planning and design to conduct scientific and technical experiments (c) Analysis and interpretation of scientific, technical and economic data collected (d) Design of parts, subsystems, systems and/or processes to meet specific needs (e) Identification, formulation and solving of problems using simulation or otherwise (f) Use of techniques/tools including software in all disciplines, as may be required (g) Effective communication skills and leadership/participation in team work (h) Fulfillment of professional, social and ethical responsibilities (i) Sensitivity to environmental and energy issues and concerns (j) Planning, development and implementation of strategies for life-long learning. 2. Preparation: To prepare the students to excel in various educational programs or to succeed in industry / technical profession through further education/training 3. Core Competence: To provide the students with a solid foundation in mathematical, scientific and fundamentals required to solve related problems, keeping in line with the global emphasis on STEM (Science,

Technology, Engineering, and Mathematics). 4. Breadth: To train the students with a breadth of scientific and knowledge to comprehend, analyze, design and create novel products and solutions for real life problems. 5. Professionalism: To inculcate in the students professional/ethical attitude, effective team work skills, multidisciplinary approach and to relate issues to a broader context. 6. Learning Environment: To provide the students with academic environment of excellence, leadership, ethical guidelines and life-long learning needed for a long/productive career. Curriculum Structure • The college has a well-developed action plan for effective implementation of curriculum by making mandatory provision of developing and upgrading the Course File and Lesson Plan. The curriculum is geared to facilitate entry to further higher education as well as employment and self-employment. • Though all the programmes of study at both UG PG are self-financing, the Institution is conducting value added / add-on programmes for the benefit of students. • ICT enabled teaching learning methods are in implementation in the institution with more courses added every year. Guest faculty members / Experts from Industry in relevant subjects are invited to the institution for better teaching learning process. • There is a continuous assessment of teachers by the students as per the prescribed guideline of the institution. There is a feedback mechanism to get information from employers about the quality of graduates and desired attributes of the student graduates. • The final year students of the undergraduate courses in engineering are allowed to take up project work in different industries/organization to have hands on training on Industrial practices, which also help them in campus placement. . Institution has introduced needbased courses for preparing students for Industrial requirements.

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

http://www.silicon.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

To provide best of technical education with a human look. Teaching-Learning Process • Well-planned and pre-defined process for effective teaching-learning process • Academic Committee meeting - 4 times a year • Non-negotiable Academic Calendar for each semester • Academic Planning (ERP) : 3 months before upcoming semester • Academic Process - Implemented in ERP (start to finish) • Class Feedback taken by HODs between 2nd to 4th week of start of teaching • Attendance Course Progress Monitoring by HODs • Faculty Advisor Interaction once every week • Moderation for maintaining quality of Internal Questions • Internal Exams and Quiz - centralized, conducted by CoE (strict, fair, disciplined) • Project groups guide allocation - completed in 1st month of 6th semester • Emphasis on interdisciplinary research oriented projects • Adherence to Academic Calendar • Maintenance of Course Files • Learning Objectives of the Course and Pre-Requisites • Course Policies and Procedures, BPUT Syllabus, Evaluation Criteria • Detailed Lesson Plan, Question Banks, supplementary materials • Attendance and Course Progress Monitoring • Fair timely evaluation, showing answer script to students and discussion • Use of ICT, NPTEL Videos, Notes and Video lectures by faculty members • Encourage class interaction for effective learning experience • Additional / remedial classes for slow learners, Chamber consultancy • Surprise Tests and Assignments, regular viva in Lab by Co-Faculty • Faculty feedback by Students - collected in last week of semester Teaching Methods Silicon practices a combination of traditional and modern methods of teaching and the faculty members are exposed and trained on these different methods and are adequately knowledgeable to choose the suitable method or methods for the topics to be taught in the class. The followings are

a list of methods a) Lecture: Oral presentation is one of the traditional methods of teaching in which the faculty members of Silicon are very good. They take care of the clarity in voice, audibility, pace and impact while giving a lecture. They are properly trained to develop a good communication skill for such purposes. b) Lecture with discussion: At times it becomes necessary to initiate participation from the students by engaging them in discussion on certain topics. The faculties members are take care of such requirements by guiding the students for a fruitful discussion which allows the students to learn the concepts in a better way. c) Brain Storming: The faculty members allow the students to brain storm over some topic or problems to reach or propose a solution. It has also created a healthy competition among the students to come up with better and innovative solutions for the problems. d) Use of Technology in the classroom: For better coverage of topics in limited time use of power point and DVD are becoming essential. 75 of classrooms of the Institute are equipped with all these facilities which are used by the teachers effectively. Faculty members use simulations and animations to explain many engineering process effectively. The NPTEL Video courses add value to these practices. e) Case Studies:

Provide the weblink of the institution

https://silicon.ac.in/wp-content/uploads/2021/10/SIT-Academic-Rules-Regulations-2020-21-v2.pdf

8. Future Plans of Actions for Next Academic Year

1-To open course in emerging fields like Data Science, Machine Learning 2- To have a holistic approach towards issues of national importance 3-To devise yearly action plan for each academic department and execute it in line with institutional vision and mission 4- To develop an interdisciplinary research culture. Effective student centric learning process. 2-Inducing research culture 3-Promoting skill-based courses 4-More emphasis on skill based courses 5-Emphasis on innovation and strat ups 6- Post NBA Accreditation works Improvement in various quality parameters like increase in the number of all clear subjects and average SGPA. Substantial increase in the number of good Publications. More multidisciplinary projects undertaken under SRPS. Conduction of skill-based invited TALKS Workshops at the department level Nore awards and recgnition for students in national level Involvement of faculties in preparing good number of teaching materials. Effective student centric learning process. 2-Inducing research culture 3-Promoting skill-based courses. 4-Galvanising the efforts to apply for funded research. • Academic Autonomy • Centre of excellence and accreditation of all departments • Global Curriculum with Industry Oriented innovative electives • All round learning and development for students • To achieve faculty cadre ratio with 80 Ph.D. • Improving the success rate in University result and other exam like UPSC/OPSC/GATE/CAT/XAT • Enhancement of placement to 100 • Collaboration with academically advanced institutes • Development of an advanced communication skills center in language and personality development • Roof-Top solar installations