



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	WALCHAND INSTITUTE OF TECHNOLOGY, SOLAPUR
Name of the head of the Institution	Shashikant Annarao Halkude
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0217-2653040
Mobile no.	9422457776
Registered Email	principal.witsolapur@gmail.com
Alternate Email	halkude60@gmail.com
Address	Seth Walchand Hirachand Marg, Ashok Chowk
City/Town	Solapur
State/UT	Maharashtra
Pincode	413006

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. Sachin Ratikant Gengaje
Phone no/Alternate Phone no.	02172652700
Mobile no.	9028874000
Registered Email	principal.witsolapur@gmail.com
Alternate Email	gosachin22@gmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://witsolapur.org/pdfs/5fc8eaf2ec91d_aqar_report%202018-19.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://witsolapur.org/academic-calendar.php

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A+	3.26	2018	30-Nov-2018	29-Nov-2023

6. Date of Establishment of IQAC	02-Jan-2017
---	--------------------

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
IQAC Meeting of July,	06-Jul-2019	2665

2019	1	
Conduction of online classes & assessment of students due to Covid-19 pandemic	01-Apr-2020 365	2347
Strategic plan to overcome strengths & Weakness (Areas of improvement) of 04 UG programs accredited by National Board of Accreditation, New Delhi. (Civil Engg., Electronics Engg., Electronics & Telecommunication Engg. & Mechanical Engg.)	01-Jan-2019 545	1945
Pre-qualifier approved & SAR submitted for Accreditation of two UG (CSE & IT) programmes to National Board of Accreditation, New Delhi.	01-Jul-2019 210	850
Submission of Annual Quality Assurance Report (AQAR)	01-Jul-2019 365	2665
Participation in AICTE-Clean & Smart Campus-2019	06-Jul-2019 90	2347
Participation in AICTE-CII Survey for	03-Jul-2019 45	2347
Participation in National Institute Ranking Framework (NIRF)	06-Jul-2019 150	2347
Annual internal Academic Audit of all programs shall be carried out. An action plan shall be prepared for improvement in consultation with faculty and staff	03-Sep-2019 13	2624
Comprehensive feedback from all stakeholders shall be collected and analyzed	06-Jul-2019 365	2665
View File		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. S.S.Patil	National Ambient Air	Maharashtra Pullution	2019 365	610000

	Quality Monitoring Program	Control Board, Govt. of Maharashtra		
Dr. S.S.Kashid	RPS - Research Promotion Scheme	All India Council For Technical Education(AICTE)	2016 1065	2098000
Dr. S.A.Halkude	RPS - Research Promotion Scheme	All India Council For Technical Education(AICTE)	2013 1065	2323334
Dr. S.K.Dixit	RPS - Research Promotion Scheme	All India Council For Technical Education(AICTE)	2013 1065	539584
Ms. A.V.Thalange	CAYT - Career Award for young Teacher Awardee	All India Council For Technical Education(AICTE)	2013 1065	297000
Dr.S A Halkude	RPS Research Promotion Scheme	All India Council For Technical Education(AICTE)	2017 1065	2352941
Dr. S R Gengaje- Co-ordinator Mrs. M.A.Nirgude - IT Coordinator	E-Learning Centre	All India Council For Technical Education(AICTE)	2017 1065	2505000
Dr.S.S.Patil	MODROBS - Mod. & Removal of Obsolescence of transportation engg. Laboratory	All India Council For Technical Education(AICTE)	2017 730	1020952
Dr. S.A.Halkude	Travel Grant	All India Council For Technical Education(AICTE)	2019 365	103563
View File				

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes

Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
12. Significant contributions made by IQAC during the current year(maximum five bullets)	
<p>To Inculcate lifelong learning through self learning • Total 5433 students registered for 423 various courses through our NPTEL local chapter. • @ 90 students completed "Google cloud Computing Foundation Course "offered by NPTEL Google. • 1332 students have enrolled for @ 5000 Coursera online courses. • 441 students completed TCS ion Certification Vocational training</p>	
<p>Focus to enhance students internship with stipend. • 51 students have done internship with stipend. During internships students' stipend is performance based which varies from Rs. 2000/ to Rs. 20000/ per month.</p>	
<p>Faculty members to create Learner centric MOOC(LCM) with an increased percentage of course e content. • During A.Y. , 1276 videos are created , which are available on our YouTube channel and 170 partial LCM are created. Till 31st Jan 2021, the total views for these videos are 2626590 and 18300 subscribers for @ 3100 videos. In the pandemic situation of COVID19, these videos are found to be useful</p>	
<p>Research and Development activity through funded collaborated research. •One Research project is completed. The total expenditure incurred on this RPS project is Rs. 32,24,747/ against a sanctioned grant of Rs.23,52,941/. •The second project of Elearning centre is going on. The 2nd installment grant of Rs. 5,01,000/ for this project is received. •124 industry collaborated research / consultancy completed. • 27 proposals are submitted to PAH Solapur University under RGST Commission, Govt. of Maharashtra.</p>	
<p>Procure equipments, instruments and to train students in sync with Industry 4.0 and strenghten infrastructure for proctored assessment. •Total 75 AIO machines have helped 600 students to appear for placement activities and as an outcome 398 offers were recieved. • Purchase order placed for procuring CNC and VMC machine.</p>	
<p>View File</p>	
13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year	
Plan of Action	Achivements/Outcomes
All faculty shall continue creation of Learner centric MOOC (LCM)	LCM is created partially, for 170 courses using 1276 total videos created by the faculty members of the institute during A.Y. 201920. Some of the previous videosly created videos are also used to create these LCM. Overall LCM its implementation has improved

	<p>student's learning. The total views for these videos are 15,99,759 and 11,193 have subscribed to our Youtube channel.</p>
<p>Innovations in Teaching-Learning shall be encouraged</p>	<p>Innovations in Teaching-Learning process employing 15 instructional strategies & 10 ICT tools have improved student's learning. Outcome of these innovations is 6 research publications</p>
<p>Lifelong learning ability through continuous Self learning of students shall be nurtured by making them to enroll for various courses available on MOOC platform/s</p>	<p>Total 5433 student registered for 423 various courses through our NPTEL local chapter. 567students are benefited with credit transfer of NPTEL course to regular curriculum course. 1332 students have enrolled for @ 5000 Coursera online courses . 441 students completed TCSion Certification & Vocational training.</p>
<p>Provide training in sync with Industry 4.0</p>	<p>104 student certification on completion of training in Cloud computing. @ 200 Students are undergoing training on various modern /digital equipments</p>
<p>Focus to enhance students' internship with stipend</p>	<p>51 students have done internship with stipend. During internships students' stipend is performance based which varies from Rs. 2000/- to Rs. 20000/- per month.</p>
<p>For problem based/project based learning, students shall be encouraged to use platforms such as Hacker Rank, Hacker Earth etc. for improving real time problem solving skills through programming</p>	<p>We continue to encourage students to use various platforms such as HackerRank, HackerEarth etc. for improving their exposure to real time problems. 600 students are benefited. •Four coding/programming tests were organised on WIT HackerEarth. On an average @150 students have been participated. •SIH 2020 Round -I was conducted at institute level where 14 teams participated, out of which 7 teams has been nominated for Round 2. Three teams have been selected for Grand Finale of Smart India Hackathon 2020.</p>
<p>All faculty members shall attend at least one FDP/Workshop/MOOC for upgradation.</p>	<p>Overall 277 course certifications are done by faculty members. Faculty members are encouraged to do online certification courses. 127 Faculty members have completed total 545 Coursera certification courses. 165 faculty members have completed 37 unique NPTEL courses.</p>
<p>Outreach programmes- Organize ICT Training for faculties of nonprofessional institutes on their request</p>	<p>FDP on "Disruptive Innovations in Teaching-Learning Process" was organised for nonprofessional HEI. 35 faculty members of D.A.V. Velankar College of Commerce, Solapur participated in this FDP. They were</p>

	trained on how to record videos. 40 faculty members from WCAS & HNCC, have been assisted for creating videos at our studio and uploading then on Youtube channel.
Participation in various institute evaluation surveys.	Institute had participated in • AICTE-CII survey for "Best Industry Linked Institute" . In this survey institute is invited for face-to-face interactions for programmes Civil Engineering and Allied, Computer &IT Engineering and Allied, and Mechanical Engineering and Allied. Institute also ranked in Platinum in a highest score band more than 30 . •Institute awarded for the "Best Practices" followed in the institution in Clean & Smart Campus Awards-2019. • NIRF Ranking Survey
Get Accredited by Accreditation bodies	NAAC : The E-AQAR of 2018-19 is submitted. NBA: The preparation of Compliance report based on the observations made by evaluators of four accredited UG Programs namely Civil Engg., Mechanical Engg., Electronics Engg., Electronics & Telecommunication Engg. is going on. Autonomy: Applied for Fresh Autonomy Statue to UGC and Visit of expert is awaited
View File	

14. Whether AQAR was placed before statutory body ?	Yes
--	-----

Name of Statutory Body	Meeting Date
Governing Body	05-Aug-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
--	-----

Date of Visit	15-Oct-2018
---------------	-------------

16. Whether institutional data submitted to AISHE:	Yes
---	-----

Year of Submission	2020
--------------------	------

Date of Submission	16-Jan-2020
--------------------	-------------

17. Does the Institution have Management Information System ?	Yes
--	-----

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

Functioning of various modules of our MIS system is as follows:

- 1. Student Management Module** In this module student registration is done in the software when student gets admitted in the college. All the information of the student, his family information, his previous education details, subject allocation and attendance is recorded. From these records we get Course wise, Area wise, Date (Period) Wise, Gender Wise, Case Category wise Student List, Total Institution's Students matrix report (as per Classes Sec. Detail). Various certificates required by students are generated through this module. The MIS helps faculty to track data such as attendance and performance. But, more importantly, MIS reduces the workload on teachers by providing quick access to data of student/group of students as required classification wise.
- 2. Fees Collection** In this module, Fee allocation to Classes, Previous Dues Update (Student wise), Fee Generation (One Time for whole year/ Student wise), Fee Collection, Fee Receipt generation is done. We get reports like Fee category wise student data, Day wise fees collection, Class wise fees collection, outstanding fees report. Fee collection is done through payment gateway.
- 3. HR/ Payroll** The detailed information of all employees like Personal Details, Joining Details, Scale, Grade, Department and Designation Details, Basic Pay and Allowances Details, PF, ESI and PAN Details, Bank Details, Family Details are recorded. Salary is processed monthly, based on attendance of employee. Reports like Monthly Paysheet, Pay slip of each employee, Annual salary report, EPF Challan, Income tax calculations, Form 16 generation Loans arrears.
- 4. Leave Management System** Leave records of all employees are maintained. Reports like employee wise, Leave type wise reports are generated.
- 5. Accounts** All financial transactions entry is done in the accounts module all accounts statements like ledger wise reports, Receipt Payment Account, Balance sheets, etc. all are generated.
- 6. Inventory Procurement** This module takes care from

requirement generation to procurement of material. Also, the Inventory management reports related to inventory are generated. 7. Library Management In the Library module, the barcode labels are generated through the software. Books are scanned using barcode scanners while issue return of the books to students faculty. OPAC enables student faculty to know the book titles, their availability and accordingly, they can post their claims from any computer in college campus. 8. Hostel Management The information of Students residing at hostel their room allotments is done through this module. Accordingly room wise, area wise, class wise reports are generated 9. Alumni Management This module Keeps track of our alumni. Alumni can register any time update his/her profile. 10. Training and Placement The module keeps track of training and placement activities. Details of campus drives conducted are maintained. This tool is designed keeping the need of the various stakeholders on priority basis and solves every query of administrator. MIS manager can evaluate and efficiently manage a department within an organization. All past, present information is helpful in decision making and designing a new strategy of an organization.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Being an affiliated institution, we follow the course curriculum prescribed by PAH. Solapur University (PAHSUS), which is continuously revised. As pioneering institute of Maharashtra and PAHSUS, many of our senior faculty members contribute in development of curriculum at University. Each department have at least one representative on Board of Studies (BoS) of the university. Few faculties are members Academic Council and Senate. Curriculum is developed in consultation with experts and various stakeholders in line with the needs of industry, various professional bodies and model curriculum by AICTE. The curriculum follows Choice based Credit System and effectively implements various aspects of Outcome Based Education. It also includes Self Learning Electives and SWAYAM NPTEL courses with necessary credit transfer. The institute has its well-defined process to plan and execute activities for effective implementation of the curriculum delivery through its Academic calendar. The academic calendar includes teaching plan, schedule of assignments and quizzes, stakeholders' meet, In-Sem Evaluation and End-Sem Evaluation,

Industry visit, Internship, co curricular & extracurricular activities. On the basis of Institution academic calendar, department and teachers prepare their calendar and teaching plans respectively for every theory and practical subject for minimum of 15 weeks. Every semester, time-table preparation and subject allocation is done well in advance. Subject allocation is done based on area of specialization of faculty, qualification and experience. Objectives and outcomes are defined for every course. On the basis of stake holders' feedback and attainment of outcomes, the identification of curriculum gap is done and the schedule is prepared for overcoming these through planned content beyond curriculum. Also the action plan for non-attained POs/PSOs is prepared to ensure attainment. Delivery of course curriculum includes width and depth beyond course curriculum. Faculty competency is ensured through qualification while recruitment & training for newly introduced courses in the curriculum through workshops organized by various industries, IITs, and SWAYAM NPTEL online courses so as to achieve effective delivery. To improve performance of the weaker students, remedial classes are planned. The institute also offers skill development and value-addition courses for students. Faculty uses various active learning strategies while delivering lectures so as to enhance the critical thinking and problem solving ability of the students. Faculty have created Open Educational Resources (OERs) to enrich students learning using various ICT tools and techniques. Assessment of students is done during the semester through "In Semester Evaluation (ISE)" and "Internal Continuous Assessment (ICA)". ISE is based on student's performance in three tests and additional assignments specific to course conducted during semester. ICA is based upon student's performance in lab and tutorials. At the end of semester student has to appear for a university exam i.e. End Semester Evaluation (ESE). Assessment of COs, POs and PSOs is a regular activity and carried out as per very well designed process. The outcome of this assessment is the yard stick for faculty for better delivery of all educational activities of next cycle.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Distance Ready Engineers (DRE) Training Program	Nil	01/08/2019	40	For improving employability of students Also it will be helpful to bridge the gap between industry and the institute.	Development of 3D model analysis of different mechanical components with the help of modelling analysis software's

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NIL	Nil
No file uploaded.		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting	Programme Specialization	Date of implementation of
-----------------------------	--------------------------	---------------------------

CBCS		CBCS/Elective Course System
Nil	NIL	Nil

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	90	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
C116: Communication Skills	01/08/2019	463
C126: Professional Communication	01/01/2020	460
C127: Democracy, Election and Good Governance	01/01/2020	460
ENV22: Environmental Studies	01/01/2020	604
SLH31: Professional Ethics Human Values	01/07/2019	37
SL32: Software Licenses and Practices	01/01/2020	141
SWAYAM NPTEL: Technical English for Engineers	29/07/2019	324
SWAYAM NPTEL: Developing Soft Skills and Personality	26/08/2019	242
SWAYAM NPTEL: Soft skills	29/07/2019	60
SWAYAM NPTEL: Entrepreneurship Essentials	25/02/2020	59
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil Engineering (Field Projects)	47
BE	Electronics Engineering (Field Project)	3
BE	Civil Engineering (Internship)	125
BE	Electronics & Telecommunication Engineering (Internship)	96
BE	Computer Science Engineering (Internship)	144

BE	Mechanical Engineering (Internship)	102
BE	Electronics Engineering (Internship)	104
BE	Mechanical Engineering(Field Projects)	9
BE	Information Technology (Internship)	118
BE	Information Technology (Field Projects)	3
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>Institute collects 360 degrees feedback from its all stake holders, analyzes it using various metrics and utilizes its outcome for overall improvement of the institute. Students, alumni, employers, industry experts, faculty and parents contribute to various feedback/survey conducted in different modes like MOODLE, pen paper, mail, website and through informal oral discussion. Below are some of the specific feedback / surveys conducted regularly? 1. Student's satisfaction survey: This survey is conducted once a year on MOODLE platform and its analysis is made available to all stake holders on institute web site. Student's give rating about the overall teaching-learning process and infrastructural facilities 2. Student's course outcome survey: This survey is conducted after complete delivery of each course and assesses the attainment of course outcomes through student's perception. Results are used in calculation of attainment of COs and for better delivery of course in next cycle 3. Student's exit survey: Graduating students participate in this survey giving objective subjective opinion about their total learning experience in four years. Result of this survey is used for improvement of teaching-learning process as well as infrastructure augmentation. 4. Student's feedback on Teaching -Learning: Student gives feedback about teaching of every teacher. This feedback is administered twice in a semester on MOODLE. First feedback is conducted few days after commencement of semester. Flaws in teaching, conveyed through first feedback, are immediately discussed with teacher along with the remedial actions. Second feedback is conducted few days after first feedback to ensure effective implementation of remedial actions suggested. 5. Alumni feedback: Alumni regularly visits institute individually or through organized alumni. Their formal feedback (through a well designed form) as well informal discussion with them provides vital input which is utilized for curriculum updation, student's projects, placement training etc. 6. Employer's feedback: Employer's perception regarding their employees who were the student of this institute is regularly collected by training placement office of the institute.</p>

This opinion of employer is then made use of to get better training activities of present students for placement. Employers other industry persons interact with faculty of the institute on various occasions and visits. Curriculum design and updation, student's training on upcoming technology requisite, student's projects and internship, faculty training at industry, joint research development with industry are some of the spheres benefited because of such interaction 7. Parent's feedback: Parents give their input through regular parent's meet organized at department. Infrastructural facilities, college timings, training for placement etc are some of the areas discussed and improved through such feedbacks. Feedback collected is processed and various metrics are calculated and accordingly shortcomings in teaching learning process are overcome through counseling and corrective action/s. As well the feedback taken from various stakeholders is analyzed along with the program outcomes/ course outcomes and used to plan and deliver the content beyond the course curriculum along with exposure to cutting edge technologies. These findings are reported to university for revising the course curriculum. Academic infrastructure required for insuring the effective delivery of curriculum

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	Electronics Engineering	18	22	3
Mtech	Structural Engineering	25	27	9
BTech	Mechanical Engineering	120	695	82
BTech	Electronics Engineering	60	695	37
BTech	Electronic and Telecommunication	120	695	113
BTech	Information Technology	60	695	57
BTech	Computer Science and Engineering	120	695	118
BTech	Civil Engineering	60	695	56

[View File](#)

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses

2019	2310	37	149	10	6
------	------	----	-----	----	---

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
165	160	16	21	4	37
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)

The institute has a well defined and practiced Student Mentoring System and it is operational since inception. The mentoring system at WIT has proved useful and helps students for – 1. Psychological counselling for personal issues 2. Academic counselling 3. Career guidance The institute practices two tier mentoring system through – 1. Batch mentoring 2. Mentoring through central counselling cell 1. Batch Mentoring System A group of about 20 students is assigned to a faculty mentor who regularly interacts with his mentees in a group or individually. The mentor tries to resolve academic issues of the students and also motivates mentees for their career building. Mentor also takes efforts for all round development of mentees. In case of any other issues the batch mentor is also assisted by the concerned class coordinator/relevant expert. Although, the mentor meets his mentees in a group as per regular schedule, he is always available to interact with any of his mentee individually in case of any urgent issue. 2. Mentoring through Central Counselling Cell -The next level of mentoring is carried out through the Central Counselling Cell which is headed by a Faculty Coordinator. If the mentoring provided by batch mentor is inadequate or any special mentoring such as psychological and health related issues is required then students go to central counselling cell. It is an observation that over a period of time only handful of cases is reported to the central counselling cell. The Coordinator carries out the mentoring and counselling activities with the help of appointed expert Counsellors who are available on the campus every week. If required, in certain cases, counselling and mentoring is also provided by an expert M.D. (Psychiatry). In all, mentoring and counselling is provided to the students to help them cope up with exam related stress, anxiety, various academic and behavioural issues, etc. Individual counselling sessions are conducted for needy students by expert counsellors, the information of which is kept confidential. The cell also organizes various training sessions by inviting expert counsellors and resource persons.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2347	165	1:14

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
157	165	Nil	12	37

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	Dr. N. S. Katikar	Assistant Professor	ISTE, National Executive Council Member

2019	Dr. S. S. Patil	Professor	Chairman -Institution of Engineers (India) Solapur Local Centre
2019	Mrs. S. M. Dol	Assistant Professor	Certificate of Appreciation from NPTEL for being recognised as NPTEL DISCIPLINE STAR Dec-2019
2019	Dr. G. A. Walikar	Professor	Recognized as a Brand Ambassador for Bentham Science Publishers. https:// /benthamscience.com /.
2019	Mr. P. S. R. Patnaik	Assistant Professor	Google Certified Cloud Engineer.
2019	Dr. S. S. Kashid	Professor	ISTE National award for Best Civil Engineering Teacher 2019
2019	Mrs. S. M. Dol	Assistant Professor	Best Faculty of the Year under sub category Thought Leader Award at the CSI TechNext India 2019 - Awards to Academia.
2019	Dr. M. G. Kalyanshetti	Associate Professor	Dr. Jai Krishna award for best research paper by Institution of Engineers(India) and Springer Publications
2019	Mr. P. P. Mitragotri	Associate Professor	2nd prize in Research Festival for Post PG candidates at Avishkar-2019-20 organised by PAH Solapur University, Solapur
2019	Mr. V.H. Kondekar	Assistant Professor	SPOC, Topmost ranked NPTEL Local chapter in Maharashtra state. By IIT Madras

[View File](#)

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	First Year	Sem-I	18/12/2019	28/02/2020
BTech	First Year	Sem-II	30/06/2020	25/08/2020
BTech	Civil Engineering	Sem-III	19/12/2019	28/02/2020
BTech	Computer Science and Engineering	Sem-III	17/12/2019	28/02/2020
BTech	Information Technology	Sem-III	17/12/2019	28/02/2020
BTech	Civil Engineering	Sem-IV	30/06/2020	28/08/2020
BTech	Computer Science and Engineering	Sem-IV	30/06/2020	29/08/2020
BTech	Information Technology	Sem-IV	30/06/2020	29/08/2020
BE	Electronics Engineering	Sem-V	19/12/2019	16/02/2020
BE	Electronics Engineering	Sem-VIII	15/10/2020	31/10/2020

[View File](#)

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Institute has adopted reforms laid by university for internal evaluation. Looking at emerging importance of continuous assessment, Institute has adopted CBCS system, in which, theory subjects weightage for internal assessment is 30 and whereas 70 for ESE. Laboratory courses are assessed through Internal Continuous Assessment (ICA) and ESE. Therefore average weightage for Continuous Internal Evaluation (CIE) is @50. Institute has adapted Outcome based education. Hence, assessment is aligned with Program Outcomes (POs) Program Specific Outcomes (PSOs) which are attained through various direct and indirect means including course outcomes. Course assessment questions are based on different levels of Bloom's Taxonomy. The weightage of 20 is given to objective assessment so as to prepare students for competitive examinations. ISE ICA is assessed through multiple tools like tests, viva-voce, group discussions, case studies, presentations, design sheet submission, e_submissions etc. Other assessment modes adopted are Google Forms, Google Classroom, Virtual Labs, Virtual Programming Lab (VPL) on MOODLE and Learner Centric MOOC (LCM). LCM. Assessment of LCM is done through MOODLE with due weightage in ICA through Learning Dialogues (LeDs), Learning by Doing (LbDs) and assignments. On successful completion of vocational training/internship, students are assessed by his faculty advisor. Institute is keen about inculcating the habit of self-learning amongst students and hence due weightages are for online certification courses through NPTEL, Spoken tutorial and other MOOCs. The institute provides a mechanism for redressal of the grievances, if any, for CIE. Institute's grievance addressal is at department level and redressal at institute level.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250

words)

Every semester an academic calendar is prepared at institute level to plan the curricular, co-curricular and extracurricular activities and published before the commencement of the semester. All components related to different stakeholders like alumni meet, parents meet, industry interactions etc. are considered while preparing academic calendar. Head of the department along with various departmental activity in-charges prepare academic calendar for the department in sync with institute academic calendar. Academic calendar includes schedule for start and end of the class room teaching as well as laboratory work. Schedule regarding various components related to In Semester Evaluation (ISE) and Internal Continuous Assessment (ICA) forms integral part of departmental academic calendar which includes internal tests, seminars, presentation, internal viva voce and submission. Other extra and co curricular activities like training for campus placement, various competitions, parent meet, industrial tours and visits, lectures by industry experts, programs by student's associations also finds place in academic calendar. Mostly, all activities related to assessment and examinations are strictly carried as per the schedule indicated in academic calendar. More than 90 of the other activities adhere to academic calendar. Slippage if any along with the reason is included in the 'Executed Academic Calendar which is prepared after completion of the semester. The reasons for slippage are analyzed and are seed for improving academic calendar of the next cycle.

2.6 – Student Performance and Learning Outcomes

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

<https://www.witsolapur.org/obe.php>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
MECH	BE	Mechanical Engineering	142	137	96.48
ELN	BE	Electronics Engineering	71	70	98.59
ETC	BE	Electronics and Telecommunication Engineering	126	126	100
IT	BE	Information Technology	66	66	100
CSE	BE	Computer Science and Engineering	149	149	100
CV	BE	Civil Engineering	74	74	100
ELN	ME	Electronics	5	5	100

		Engineering			
MECH	ME	Design Engineering	6	6	100
CSE	ME	Computer Science and Engineering	4	4	100
CV	ME	Structural engineering	2	2	100
View File					

2.7 – Student Satisfaction Survey

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

<https://witsolapur.org/pdfs/student-satisfaction-survey-19-20.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	270	Er. SiddheshwarJamma, Gubbi Enterprises, Thane	0.15	0.15
Industry sponsored Projects	180	Swash Solutions, Pune	0.06	0.06
Industry sponsored Projects	180	Prabhakar Textile , Solapur	0.05	0.05
Major Projects	1095	AICTE, New Delhi Under Research Promotion Scheme	23.53	0.35
Major Projects	1095	AICTE, New Delhi under E-Learning Centre	25.05	5.01
Industry sponsored Projects	240	Sham Innovative Solutions, Solapur	0.12	0.12
Industry sponsored Projects	180	Innoshri Pvt Ltd, Pune	0.05	0.05
Industry sponsored Projects	90	iPing Data Labs, Solapur	0.1	0.1
Industry sponsored	240	Sham Innovative	0.12	0.12

Projects		Solutions, Solapur		
Industry sponsored Projects	240	Er. Siddheshwar Jamma, Gubbi Enterprises, Thane	0.05	0.05
View File				

3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Seminar on "VUCA World and Way Forward!" by Mr. Nachiket Badnore, Sr. General Manager, Global Business, Sulzer India Pvt. Ltd., Pune	Mechanical Engineering	13/06/2020
Seminar on "Innovation Entrepreneurship" by Mr. Hrishikesh Badamkar, Director, Richwood Industries Pvt. Ltd., Solapur	Mechanical Engineering	01/02/2020
Seminar on "Challenges and Opportunities for Budding Engineers" Mechanical Engineer in Heavy Industries by Mr. Chanchal Roy, General Manager, AIMS Industrial Equipment, Dubai, UAE	Mechanical Engineering	13/05/2020
Two Week workshop on "MS Project: Hands on Training" by Er. Chetan Loni, Director CATALYST Engineers and Trainers Consultants Pune	Civil Engineering	10/05/2020
Four Days Workshop on "HIT Office ERP: hands on training" by Mr. Jonathan Maskanhalli- EDSS Pune	Civil Engineering	07/03/2020
One Day Workshop on "Hands on training of DGPS and Digital Level" by Mr. Devakar Sade, Assistant Manager Business, Lawrence and Mayo (India) Pvt. Ltd. Scientific and Engineering Instruments Division, Mumbai.	Civil Engineering	16/10/2019
One Day Workshop on "Shear	Civil Engineering	11/03/2020

strength of fibre reinforced concrete deep beams using Imetrum Video Gauge Measurement System" by Dr.S.A.Halkude, Dr.S.S.Patil, Mr S.K.Kulkarni, conducted under RPS scheme, AICTE		
One day Workshop on "Introduction to Autodesk Civil 3D" by Er.RohitPatil Arcadis Design and Consultancy,Pune	Civil Engineering	26/05/2020
Workshop on "Python Programming" by Mr. Rohit Deo ,Data Scientist, Montran Corporation, Mumbai	Electronics Engineering	02/07/2019
Workshop on "Google Cloud Study JAM" by Mr. MathangSeshagiri, Google Cloud,Bengaluru	Computer Science and Engineering	07/03/2020
Workshop on "Python using InfyTQ" by Infosys Limited, Pune	Computer Science and Engineering	22/06/2020
Workshop on "Soft Skills" by Infosys Limited, Pune	Computer Science and Engineering	29/06/2020
One day "Workshop on Arduino" by IIT, Bombay	Remote Centre,Walchand Institute of Technology, Solapur	08/02/2020
One day Workshop on "eSim a First Course in the IoT Series for Teachers ",by IIT, Bombay,	Remote Centre,Walchand Institute of Technology,Solapur	21/09/2019
One Day Workshop on "C and CPP"	Remote Centre,Walchand Institute of Technology,Solapur	15/02/2020
One Day Workshop on "Linux" by IIT, Bombay	Remote Centre,Walchand Institute of Technology,Solapur	23/08/2019
One Day Workshop on "R" by IIT, Bombay	Remote Centre,Walchand Institute of Technology,Solapur	09/11/2019
Seminar on "Different innovative techniques involved in project development in the field of Robotics" by Mr. P. ChanderSekar, Director, Technique Design Group, Hyderabad	Electronics Engineering	28/09/2019
Seminar on "CMOS VLSI	Electronics Engineering	30/01/2020

Design" by Mr. Varun Kanale, Sankalp Semiconductors, Hubli		
Seminar on "OOP with Python" by FirstBit Solutions, Pune.	Computer Science and Engineering	06/02/2020
Seminar on "Python Database"	Computer Science and Engineering	08/02/2020
Seminar on "Endless Scope in VLSI" by Mr. Amit Kapatkar IP Design and RD Engineer, Synopsys, Hyderabad	Electronics Engineering	14/06/2020
Seminar on "Innovative Project Ideas for Post COVID Life" by Mr. Vrushang Shaha E-Commerce Specialist and Business Manager of Mashatel. Kuwait City, Kuwait	Electronics Engineering	19/06/2020
Seminar on "Modelling and Simulation of Electric Vehicle Design" by Mr. Tushar Sambharam, Lead Technology Specialist, Ansys Software Pvt.Ltd., Pune	Electronics Engineering	27/06/2020
Seminar on "Engineer to Entrepreneur" by Mr. Vishal Kulkarni, Director, Faber Infinite Consulting, Pune	Mechanical Engineering	11/06/2020

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
1st Runner up in HACK-A-THON 1.0 Securing Authenticity of Farmer inputs using BlockChain	Sanket Gandhi Shreyas Awate Shridhar Gaga Tanmesh Shah	Govt. College of engineering Jalgaon	05/03/2020	Student
Android app - SmartTracker-Covid-19 awarded for Best Use of Microsoft Azure	Pramod Paratabadi	MLH Local Hack Day Sponsored by Microsoft for HackCummins and Major League Hacking	11/04/2020	Student
2nd Prize in Avishkar 2019 (University Level Research Festival) Post	Mr.P.P. Mitragotri	P.A.H. Solapur University, Solapur	05/01/2020	Teacher

P.G. level project entitled Improving Foundry Process Performance From Environmental Perspective in Engineering Technology				
Finalist in Mobile Application to promote local tournaments and talents to the global level	Pramod Paratabadi, Alok Singh, Naman Jain, Apoorv Jain, Aditya Karwa, Supriya Madiwal	Smart India Hackathon (SIH-2020), AICTE and MHRD Innovation Cell, Govt. of India	29/02/2020	Student
1st Prize in Best Tagline Award for Team BugZero, Tagline: Bugs busted.Done and dusted	Pramod Paratabadi, Alok Singh, Naman Jain, Apoorv Jain, Aditya Karwa, Supriya Madiwal	Smart India Hackathon (SIH-2020), AICTE and MHRD Innovation Cell, Govt. of India	01/08/2020	Student
Finalist in SIH- 2020 for File Tracking System	Sourabh Santosh Gavali, Praneti Prakash Kore, Bhagyashri Kumbhar, Dattateja Reddy Anakala, Mayuri Agale, Nikhila Dyawarkonda	Smart India Hackathon (SIH-2020), AICTE and MHRD Innovation Cell, Govt. of India	29/02/2020	Student
Finalist in SIH- 2020 for Design of alarms management and analytics	Aishwarya Bargale, Rohit Kumar, Sanket Munot, Aman Shaikh, Tushar Kambar, Shreya Konapure	Smart India Hackathon (SIH-2020), AICTE and MHRD Innovation Cell, Govt. of India	29/02/2020	Student
BugZero has 47th rank in Coding Challenge of f D2C Online Hackathon Festival (OHF) Season 2	Supriya Madiwal	Indian Instiute of Technology (IIT), Delhi	24/05/2020	Student
Finalist in SMART ALERT Solution on Natural Disaster Management	Akarsh Jain, Utkarsh Jain, Arpit Jain, Arihant Jain, Satish Kumar, Shivani	SMART TANTROTA-19, National level Code Hackathon held at PDA College of	14/09/2019	Student

	Kulkarni	Engineering, Kalaburagi, Karnataka.		
BugZero has 63rd rank in Coderulon of D2C Online Hackathon Festival (OHF) Season 2	Supriya Madiwal	Indian Instiute of Technology (IIT), Roorkee	19/05/2020	Student
View File				

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nil
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	2	10

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	2
Civil Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	General Engineering	8	3.34
International	Electronics Engineering	3	3.75
International	Mechanical Engineering	1	7.97
International	Computer Science and Engineering	1	Nil
View File			

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

Department	Number of Publication
General Engineering	2
Mechanical Engineering	1
Civil Engineering	4
Computer Science and Engineering	10
Electronics Engineering	4

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Smart Turbidity Monitoring and Data Acquisition using LabVIEW	Dr.P.S.Joshi, et al.	Journal of Xidian University	2020	0	Walchand Institute of Technology, Solapur	Nil
Meteorological Drought Prediction of North West and West Central Homogeneous Monsoon Regions of India based on Hydro-Climatic Inputs using Genetic Programming	Ajay Chavadekar and Dr. S. S. Kashid	Springer Proceedings of 2nd International conference on Advanced Technologies for societal Applications	2019	0	Walchand Institute of Technology, Solapur	Nil
Numerical simulation of variable thermal conductivity on 3D flow of nanofluid over a stretching sheet	Dr. Bhumarapu Venkateshwalu, et al.	Nonlinear Engineering	2020	1	Walchand Institute of Technology, Solapur	1
MHD Peristaltic flow of a nanofluid in a restricted artery for different shapes of	Dr. Bhumarapu Venkateshwalu, et al.	Nonlinear Engineering	2019	3	Walchand Institute of Technology, Solapur	3

nanosized particles						
Syntactico-Semantic Reasoning using PCFG, MEBNPP Attachment Ambiguity	Mr. PSR Patnaik	IEEE Xplorer : Proceedings of International Conference on Issues and Challenges in Intelligent Computing Techniques (ICICT)	2019	1	Walchand Institute of Technology, Solapur	Nil
Magneto hydrodynamic oscillatory flow of a physiological fluid in an irregular channel	Dr. Bhumarapu Venkateshwalu, et al.	SN Applied Sciences	2019	0	Walchand Institute of Technology, Solapur	Nil
Decision making with analytical hierarchy process for selection of furnace for foundry Industry	Dr.R.B,Hiremath, R. A. Deshmukh	International Journal of Mechanical and Production Engineering Research and Development (IJRASET)	2019	0	Walchand Institute of Technology, Solapur	Nil
Neural Network Approach for making foundry Industry sustainable.	Dr.R.B,Hiremath, R. A. Deshmukh	International Journal of scientific and technology research	2019	0	Walchand Institute of Technology, Solapur	Nil
Seismic Performance of Building Frames Considering Soil Structure Interaction	Dr.S.A.Halkude, Dr.M.G.Kalyanshetti	Springer special publication proceeding of the conference on Recent Advances in Geotechnical	2020	0	Walchand Institute of Technology, Solapur	Nil

		Earthquake Engineering and Soil Dynamics (ICRAGEE), Bangalore				
Reliable Hybrid Multicast Routing in Mobile Ad Hoc Networks: Reinforcement Learning-based Approach	Dr. G. A. Walikar et al.	International Journal of Ad Hoc Sensor Wireless Networks, Old City Publishing, Scopus	2019	0	Walchand Institute of Technology, Solapur	Nil
View File						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Use of Self-Created Videos for Teaching Structured Query Language (SQL) using Flipped Classroom Activity	Mrs. S. M. Dol	Journal of Engineering Education Transformations	2020	3	Nil	Walchand Institute of Technology, Solapur
Smart Turbidity Monitoring and Data Acquisition using LabVIEW	Mrs.P.S. Joshi, et al.	Journal of Xidian University	2020	4	Nil	Walchand Institute of Technology, Solapur
Numerical simulation of variable thermal conductivity on 3D flow of nanofluid over a stretching	Dr. Bhuma rapu Venkateshwalu, et al.	Nonlinear Engineering	2020	9	1	Walchand Institute of Technology, Solapur

sheet						
Decision making with analytical hierarchy process for selection of furnace for foundry Industry	Dr.R.B.H iremath and R. A. Deshmukh	International Journal of Mechanical and Production Engineering Research and Development (IJRASET)	2019	6	Nil	Walchand Institute of Technology, Solapur
Magnetohydrodynamic oscillatory flow of a physiological fluid in an irregular channel	Dr. Bhumarapu Venkateshwalu, et al.	SN Applied Sciences	2019	9	Nil	Walchand Institute of Technology, Solapur
MHD Peristaltic flow of a nanofluid in a restricted artery for different shapes of nanosized particles	Dr. Bhumarapu Venkateshwalu, et al.	Nonlinear Engineering	2019	9	3	Walchand Institute of Technology, Solapur
Chemical reaction and radiation absorption effects on convective flows past a porous vertical wavy channel with traveling thermal waves.	Dr. Bhumarapu Venkateshwalu, et al.	International Journal of Fluid Mechanics Research	2020	9	Nil	Walchand Institute of Technology, Solapur
Neural Network Approach for making foundry Industry s	Dr.R.B,H iremath, R. A. Deshmukh	International Journal of scientific and technology	2019	6	Nil	Walchand Institute of Technology, Solapur

ustainable .		research				
Meteorological Drought Prediction of North West and West Central Homogeneous Monsoon Regions of India based on Hydro-Climatic Inputs using Genetic Programming	Ajay Chavadekar and Dr. S. S. Kashid	Springer Proceedings of 2nd International conference on Advanced Technologies for societal Applications	2019	4	Nil	Walchand Institute of Technology, Solapur
Seismic Performance of Building Frames Considering Soil Structure Interaction	Dr.S.A.Halkude, Dr .M.G.Kalyanshetti	Springer special publication proceeding of the conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics (ICRAGEE), Bangalore	2020	2	Nil	Walchand Institute of Technology, Solapur

[View File](#)

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Resource persons	Nil	4	Nil	2
Presented papers	14	1	Nil	Nil
Attended/Seminars/Workshops	7	128	3	14

[View File](#)

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such	Number of students participated in such

		activities	activities
Yoga Workshop on the occasion of International Yoga Day	Art of Living	4	115
Expert talk on "Importance of Yoga for Personality Development" by Dr. P Salunkhe	Art of Living Yoga Teacher	3	60
Legal Awareness/Literacy Camp	District Legal Services Authority, Solapur	4	120
Youth Court	IBN Lokmat Marathi News Channel	5	149
Swachhta Pakhwada - "Jal Shakti Say no to Single use plastic"	Government of India, Ministry of Human Resource Development	5	120
Rally organized "Say no Single use plastic" on the occasion of "Gandhi Jayanti"	National Highways Authority of India, Solapur Division (NHAI)	3	70
One day workshop on "Short film making effective PPT technique" by Kirloskar Vasundhara Eco Rangers	KirloskarVasundhara (Kirloskar Ferrous Industries Ltd., Solapur)	2	11
KirloskarVasundhara organized "Green College Clean College" PPT/Short Film competition	KirloskarVasundhara (Kirloskar Ferrous Industries Ltd., Solapur)	2	10
Rally organized "Solapur ChuppiTodo - 2020"	Cactus Foundation, Solapur	3	26
Blood Donation Camp on 12/10/2019	Four Blood Banks namely -Civil blood bank, Damani blood bank, Hedgewar blood bank, Ashwini Blood Bank and NSS Unit	8	558
View File			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students
----------------------	-------------------	-----------------	--------------------

			Benefited
Chess (W) Competition	Winner	PAH Solapur University, Solapur	4
Badminton (M) Competition	Winner	PAH Solapur University, Solapur	5
Lawn Tennis(M) Competition	Winner	PAH Solapur University, Solapur	3
Swimming Diving Competition	Winner	PAH Solapur University, Solapur	1
Clean Smart campus	Clean Smart campus 2019 Award for Best practices followed in the institution	AICTE	2347
"Green College Clean College" PPT competition	1st Prize	Kirloskar Vasundhara (Kirloskar Ferrous Industries Ltd., Solapur)	10
Best Blood Donor College in Solapur District	1st Prize	Dr. Hedgewar Blood Bank, Solapur	558
Blood Donor College in Solapur District	Appreciation Trophy	Civil Blood Bank, Solapur	558
Speak for India	Recognition	Times of India Group Federal Bank	97
View File			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
International Yoga Day	Art of Living	Yoga Workshop	4	115
International Yoga Day	Art of Living	Expert talk on "Importance of Yoga for Personality Development"	3	60
Legal Awareness/Literacy Camp	District Legal Services Authority, Solapur	Expert Talk on "Legal services available to Victims of Drug Abuse and Eradication of Drug Menace Scheme 2015, Domestic Violence/ Dowry	4	120

		Prohibition act, Victim Compensation Scheme, Manodhairya Scheme and Sexual Harassment of Women at work Place Act"		
Leadership Awareness	IBN Lokmat Marathi News Channel	Youth Court	5	149
Swachhta Pakhwada	Government of India, Ministry of Human Resource Development	Jal Shakti Say no to Single use plastic	5	120
Say no Single use plastic	National Highways Authority of India, Solapur Division (NHAI)	Rally organized on the occasion of "Gandhi Jayanti"	3	70
Swachh Bharat	Kirloskar Vasundhara (Kirloskar Ferrous Industries Ltd., Solapur)	One day workshop on "Short film making effective PPT technique" by Kirloskar Vasundhara by Eco Rangers	2	11
Swachh Bharat	KirloskarVasundhara (Kirloskar Ferrous Industries Ltd., Solapur)	KirloskarVasundhara organized "Green College Clean College" PPT/Short Film competition	2	10
Raise your Voice Against Child abuse -" Solapur ChuppiTodo - 2020"	Cactus Foundation, Solapur	Rally organized "Solapur ChuppiTodo - 2020"	3	26
Blood Donation Camp	Four Blood Banks namely -Civil blood bank, Damani blood bank, Hedgewarblood bank, Ashwini Blood Bank and NSS Unit	Blood Donation Camp on 12/10/2019	8	558

[View File](#)

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Project entitled File Comparer	Students: Gautami Kongare	Webtech Developers Pvt. Ltd., Pune	90
Project entitled Movie Ticket Booking App	Student:Unnati More	Webtech Developers Pvt. Ltd., Pune	90
Project entitled Smart Monitoring System for Textile IndustryUsing Tensorflow and Raspberry Pi	Students: Rutuj Bakshi, Pooja Salegoan, Shubhangi Sirsal, Swati Umate	Prabhakar Textile , Solapur	225
Project entitled All In One - Amart Application	Students: Gavali Sourabh Santosh, Zende Onkar Shivaji and Kore Praneti Prakash	Swash Solutions, Pune	180
Project entitled ludokart	Students:Gavali Sourabh Santosh and Kore Praneti Prakash "	IPing data labs LLP Solapur	90
Project entitled Website Development for 560mTEK	Students:Singh Alok Anil, Divyansh Khanna and Jain Naman Nirmal "	560mTEK, Pune	180
Project entitled Airbil Android App	Student:Sanjay Mashalkar	IPing data labs LLP, Solapur	90
Project entitled Helmet Detection on Two-wheeler riders using Machine Learning	Students:Irabatti Vinayak Shrinivas, Paratabadi Pramod Chidanand, Pawar Mahesh Prakash, Sindgi Shantesh Prakash and Survase Abhishek Balasaheb "	Innoshri Pvt Ltd,Pune	180
Project entitled "SMS based Industry automation using GSM Modem"	Students Priyanka Gubbur Minkshree Dhotre Kajal Mane"	Lakmi Controls ,Solapur	180
Project entitled Voice Based Digital Notice Board	Students : Abhishek Chaudhari Vishal Burje Suraj Almelkar"	Sai Tronics,Karad, Dist. Satara	180
View File			

3.5.2 – 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			
On-Job- Training	Campus Connect (Soft Skills)	Infosys Limited, Pune Campus Connect Education Training Assessment Infosys Limited. Mobile images: 91 85549 92656 Direct : 91-20 337 12146 http:// /campusconne ct.infosys.c om	29/06/2020	03/07/2020	3 Faculties
On-Job- Training	Campus Connect (Python using InfyTQ)	Infosys Limited, Pune Campus Connect Education Training Assessment Infosys Limited. Mobile images: 91 85549 92656 Direct : 91-20 337 12146 http:// /campusconne ct.infosys.c om	22/06/2020	29/06/2020	3 Faculties
Internship	Vocational Training	Enverto Innovations. Vyayam Shala ground, Nipani, dist Belgaum. www .enverto.in .	17/12/2019	31/12/2019	1 Student
Internship	Vocational Training	Internshala	19/04/2020	31/05/2020	6 Students
Internship	Vocational Training	Zensar Tec hnologies, Pu ne through RPG	16/10/2019	30/01/2020	82 Students

		foundation			
Internship	Vocational Training	Tata Consultancy Services	05/04/2020	16/04/2020	3 Students
Field Visit	Industrial Visit	Enrich Energy Solar Park, A/p Mandrup Taluka South Solapur, District Solapur	11/03/2020	11/03/2020	58 Students, 2 Faculties
Field Visit	Industrial Visit	Swastic Rotomatic, MIDC Solapur	09/03/2020	09/03/2020	124 Students, 2 Faculties
Internship	Vocational Training	SmartBridge Educational Services Private Limited, Hub siguda, Nacharam email id --info@thesmartbridge.com contact-- 91 9676938853	17/12/2019	28/12/2019	5 students
Internship	Vocational Training	Vertex Technosys9/4, Shri Markendaya Yantramag Dharak Society, Near New WIT College, Next to Upahar Bakery lane, Solapur - 413006.	20/12/2019	20/01/2020	4 students

[View File](#)

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Gubbi Group of Companies, Thane	01/07/2019	Academia-Industry Interaction	14
Kasturbai College of Education, Solapur	10/10/2019	Academic Exchange Agreement	80

D.A.V. Velankar College of Commerce	05/09/2019	Exchange of Technical Know-how	35
Zensar Technologies though M/s. RPG Foundation	22/08/2019	Activities under Employability Skill Development Program	88
Cleveta Technologies Pvt. Ltd.	07/12/2019	Academia-Industry Interaction	250
Infosys Campus Connect	27/04/2020	Academia-Industry Interaction	396
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
86.5	79.65

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Koha	Partially	16.04	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	54400	16624262	429	260599	54829	16884861
	4093	2811278	53	38040	4146	2849318

Reference Books						
e-Books	1418	Nill	1425	19470	2843	19470
Journals	77	249536	77	222579	154	472115
e-Journals	542	1655558	647	1655558	1189	3311116
Digital Database	4	Nill	5	1675028	9	1675028
CD & Video	2533	Nill	Nill	Nill	2533	Nill
Library Automation	1	175000	1	24500	2	199500
Weeding (hard & soft)	2624	231463	Nill	Nill	2624	231463
Others(s pecify)	Nill	Nill	18	30772	18	30772

[View File](#)

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. P.S. Yalagi	Lexical Analysis	Institute LMS	27/01/2020
Mrs. S. M. Dol	Construction of Parsing Table	Institute LMS	10/02/2020
Mr. P.D.R.Patnaik	Shell scripting	Institute LMS	01/08/2019
Dr. A. V. Thalange	Source coding technique	Institute LMS	01/08/2019
Dr. N.S.Gramopadhye	Analytical Chemistry	Institute LMS	25/10/2019
Dr.P.S Joshi	Introduction to Quantum Mechanics Wave Optics	Institute LMS	07/02/2020
Dr. M G Kalyanshetti	Consistency Limit of Soil	Institute LMS	15/07/2019
Dr. L.M.R.J Lobo	System Software Assembly Language Programming	Institute LMS	25/07/2019
Dr. B. B. Deshmukh	Design of Bevel Gear	Institute LMS	09/03/2020
Dr S R Gengaje	Data information Database management	Institute LMS	19/09/2019

[View File](#)

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	800	26	672	6	2	25	740	130	35
Added	52	0	52	0	0	0	52	70	0
Total	852	26	724	6	2	25	792	200	35

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

200 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Recording Studio which includes JVC Camcorder JY-HM 70, Miliboo Tripod MTT601A for Camera, Exton Switcher SMP-351-80 GB SSD, Atlona AT-UHD-EX-70C-kit, Shure Boundry Microphone MX 393, Stranger PPS 48 (Phantom Power), light setup, Networking	https://witsolapur.org/videos/e-learning-centre.mp4

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
580.7	497.42	282.5	252.74

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Institute ensures optimal allocation and utilization of the available financial resources for maintenance of various facilities through regular meetings which involves all the stakeholders from teacher, lab-incharge up to governing body, constituted for this purpose. Due to this exercise, the budget allocation is factual, as it is done department-wise, leading to highest utilization of allocated budget.

1. Laboratory:

- The Laboratories are regularly maintained by the faculty In-charge of lab and assisted by laboratory technical staff.
- Records of equipment are maintained in stock registers as per the process.
- Preventive maintenance/repairs is carried in-house and record is documented
- Equipments / appliances are maintained properly and serviced periodically.
- Do's and Don'ts for the stakeholders are displayed in Laboratory.
- Institute follows defined Upgradation/Write-off Policy of equipment.

2. Library: Library committee comprising of departmental representative and library staff is looking after overall functioning of the library.

a. The requirement and list of books is taken from all departments. Additionally exhibition of various publishers is arranged to know new titles. The finalized list of required books goes for procurement.

b. Suggestion box is available at prominent location. This continuous feedback helps a lot in introducing new ideas/schemes regarding library enrichment.

c. Regular issue and return of the books is assured by library software.

d. Other issues such as

weeding out of old titles, schedule of issue/ return of books etc. are chalked out / resolved by the library committee. e. The maintenance of the reading room and stock verification of library books is done regularly by library staff. 3. Sports: Maintenance of sports equipment is supervised by college sports in-charge. The specialized training is provided by hiring the services of experts. All sports fields are regularly maintained. 4. Computers Networking • Each Department has adequate number of PCs which are utilized for lab sessions, projects along with browsing facility and also adequate computational facility and application software are made available to Office, library, digital library and language lab. • All the computers are connected through Structured cabling wi-fi zones are created at various places. • All necessary System software, Application Software, Sophos firewall, e-scan antivirus software etc, are installed and maintained by Laboratory assistant. • Regular maintenance work/repair work of computer systems, peripherals networking switches is carried through Institute level maintenance cell. In case of major break down, if any, external agencies are deployed. • Institute follows defined Upgradation/Write-off Policy for PCs Peripherals. 5. Classrooms: The College has various committees for maintenance and upkeep of infrastructure. 6. Additionally: a. Regular cleaning of water tanks, water coolers, water purifiers, proper garbage disposal, pest control, landscaping and maintenance of lawns, Sanitation of every facility is carried out every week in the pandemic. This is done by institute employees and regularly monitored by authorities b. Sanitization and up keeping of all facilities and cleanliness of in boys and girls hostel is monitored by respective rectors c. Maintenance of furniture and plumbing work is outsourced.

<https://witsolapur.org/pdfs/maintenance-policy-19-20.pdf>

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	Shri.Bhausahab Gandhi Pratishthan , Solapur	42	240000
Financial Support from Other Sources			
a) National	GOI Post Materic Scholarship for SC students, Post Materic Tution Fee and Exam Fee for Freeship for SC students, Post Matric Scholarship Scheme (Govt. Of India) VJNT, Tution Fee Exam Fee for Tribal Students (Freeship) VJNT, Post Matric Scholarshi	2297	106205546
b)International	Nil	Nil	Nil

[View File](#)

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft skill development (At Institute Level)	16/01/2020	230	Soft Skill Development Cell (SSDC) of the Institute
Soft skill development (At Departmental Level)	04/07/2019	124	Laxmi Hydraulics Pvt Ltd. and Institute Faculty
Soft skill development (First Year Engineering)	03/08/2019	463	Dr. S.V. Koti , Principal, Walchand College of Arts and Science, Solapur and Institute Faculty
Remedial coaching	07/09/2019	253	Institute Faculty
Language Lab	04/08/2019	463	Institute Faculty
Bridge courses	02/01/2020	408	1.Computer Society of India chapter, 2.CATALYST Engineers and Trainers Consultants Pune, 3. Mr. Rohit Deo, Data Scientist, Montran Corporation, Mumbai, 4. Mr. Siddhart Yawalkar, Associate-Corporate Sustainability, Tata Technologies
Yoga and Meditation (First Year Engineering)	03/08/2019	463	1. Yoga club of the Institute 2. Mr. Dev Gosaki (Art of Living) 3. Mr. P.S.Mohite (Art of Living)
Personal Counselling	24/08/2019	4	Personal Counselling Cell of the Institute
Mentoring	15/07/2019	2347	Institute Faculty
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling	Number of students who have passed in the comp. exam	Number of students placed

			activities		
2019	Guidance for Competitive Examinations and Career Counselling offered by the Institution (BE IT)	26	64	4	47
2019	Guidance for Competitive examination and Career Counselling offered by the Institution (B.E. Civil)	32	70	8	35
2019	Guidance for Competitive Examinations and Career Counselling offered by the Institution (BE E&TC)	41	103	12	59
2019	Guidance for Competitive Examinations and Career Counselling offered by the Institution (BE CSE)	40	133	12	104
2019	Guidance for Competitive Examinations and Career Counselling offered by the Institution (BE ELN)	18	38	2	26
2019	Guidance for Competitive Examinations and Career Counselling offered by	50	107	4	55

the Institution (B.E. Mechanical)

[View File](#)

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
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Tata Consultancy Services, Byjus, Infosys, Atlas Copco India Ltd., Cognizant, Persistent Systems, Capgemini, Wipro, Tech Mahindra, Tech Prescient, Bharat Forge Ltd., Voym Labs, Iasys, Coditas Technology Pvt.Ltd., Cuelogic Technologies, Devmeth Techno	515	308	B. G. Shirke Construction Technology Private Limited, Gem Engserv Pvt. Ltd., AVR Vaastu Pvt. Ltd., AVJ Associates, Rail Vikas Nigam Limited, Hindustan Petroleum Corporation Limited, Swanand Construction Private Limited, Dentsu World Services, Maini	20	18

[View File](#)

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	1	B.E. (Civil)	Civil Engineering	Pimpri Chichwad College of Engineering, Pune	M.Tech- Construction Management

2020	2	B.E. (Civil)	Civil Engineering	Maharashtra Institute of Technology, Pune	M.Tech-Con struction Engineering and Management
2020	1	B.E. (Civil)	Civil Engineering	Vellore Institute of Technology, Vellore	M.Tech-Con struction Technology and Management
2020	1	B.E.(Elect ronics and T elecommunica tion)	Electronics Engineering	College of Engineering, Pune	M.Tech(Art ificial Inte lligence)
2020	1	B.E.(Elect ronics and T elecommunica tion)	Electronics Engineering	MIT World Peace Univer sity,Pune	Master in Business Adm inistration
2020	1	B.E.(Elect ronics and T elecommunica tion)	Electronics Engineering	Vishwakarma Institute of Technology,P une	M.Tech(Ele ctronics and Telecommunic ation Engineering)
2020	1	B.E.(Compu ter Science Engineering)	Computer Science Engineering	D.Y. Patil Institute of Management and Research ,Pimpri Pune	Master in Business Adm inistration in Finance
2020	1	B.E. (Information Technology)	Computer Science & Engineering	Walchand Institute of Technology, Solapur	M.Tech in Computer Science and Engineering
2020	1	B.E. (Elec tronics)	Electronics Engineering	Vishwakarma Institute of Technology, Bibwewadi, Pune	M.Tech(Ele ctronics and Telecommunic ation Engineering)
2020	1	B.E. (Elec tronics)	Electronics Engineering	SRH University of Applied Sciences in North Rhine- Westphalia	Master of Science (Supply Chain Management)
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	18
CAT	3

GRE	5
TOFEL	1
Any Other	15
View File	

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

Activity	Level	Number of Participants
Cultural Event Atharva 2k20	Institute Level	250
Teachers Day	Institute Level	550
Ganesh Utsav 2019	Institute Level	350
Quiz Competition in Engineers Week 2019	Institute Level	314
General Aptitude Test Competition in Engineers Week 2019	Institute Level	817
Programming Contest in Engineers Week 2019	Institute Level	664
Essay Competition (In 3 Languages) in Engineers Week 2019	Institute Level	47
Pot Painting Competition in Art Exhibition 2K20	Institute Level	28
Card Making Competition in Art Exhibition 2K20	Institute Level	28
Gift Wrapping Competition in Art Exhibition 2K20	Institute Level	18
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	First in Solo Classical Instrumental at Youth Festival, Solapur University, Solapur	National	Nil	1	18070980	Jayesh Kulkarni
2019	Second in Elocution	National	Nil	1	17188852	Mansee Vaidya

	(Marathi) at Youth Festival, Solapur Un iversity, Solapur					
2019	Third in Elocution (English) at Youth Festival, Solapur Un iversity, Solapur	National	Nil	1	16188466	Ragini Bhandekar
2019	Winner at University (Zonal) level in Badminton (Male)	National	1	Nil	17049218, 17059278, 18031039, 16038318, 17038994	Arnav Nandimath, Nemish Jain, Samyak Jain, Saurabh Aherkar, Suraj Kond ubhairy
2019	Winner at University (Zonal) level in Table Tennis (Male)	National	1	Nil	17079341, 17039541, 16038082, 18051015, 19030997	Aniket Suklecha, Shubham Havale, Mrugank Kothadiya, Amit Loni, Atharva Bhagwat
2019	First in Solo Classical Percussion at Youth Festival, Solapur Un iversity, Solapur	National	Nil	1	16038459	Sanmit Randive
2019	Second Runner up at University (Zonal) level in Basketball (Male)	National	1	Nil	16078159, 17199255, 16078150, 17078983, 16072470, 17059046, 16078285, 17038977, 16018341, 18011039	Aniket Bandgar, Ankush Rana, Abhishek Hundekari, Navin Uplanchi, Venumadhav Gajul, Dattateja Anakala, Shreyaunsh Kote,

						Bhavin Dedhia, Juned Shaikh, Ashwin Vora, Abhishek Deginal, Ajay Patil
2019	Winner at University (Zonal) level in Lawn	National	1	Nil	19080982, 19051032, 19050999	Jayawant Madane, Shivraj Jadhav, Abhijeet Sonale
2019	Winner at University (Zonal) level in Chess (Male)	National	1	Nil	15183087, 18051030, 16038133, 17049117, 16078415, 18011003	Raunak Jain, Meet Hariya, Naitik Doshi, Saish Gadekar, Rushikesh Dawale, Pratik Kasat
2019	Winner at University (Zonal) level in Chess (W)	National	1	Nil	18191001, 16188119, 18071004, 17058866	Vaishnavi Bondage, Juhika Gajjam, Shravani Nora, Mayuri Agale
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

1. Student Council: The institute has an active student council representing all students of the institute 1.1 Selection: The Institute has an elected student council consisting of two ladies representatives, a sports secretary, a cultural secretary and a National Service Scheme (NSS) secretary. A magazine secretary is nominated at institute level. A committee consisting of head of the institution, heads of various departments and senior faculty members conduct interview and select the students based on their academics, coordination skills, their participation and leadership in various activities and communication skills. 1.2 Activities by student council: Below are the regular activities initiated / conducted by student council 1.2.1 Sports secretary: The sports secretary organizes and coordinates intercollegiate sports tournaments. 1.2.2 Cultural secretary: The cultural secretary along with the help of faculty coordinator organizes various cultural activities competitions such as 'Atharva', Teachers day and Ganesh Festival. Art Exhibition is conducted every year where students get a platform to showcase their talents in various cultural events. Students participate enthusiastically in district level competitions such as 'Jallos' and 'Youth festival'. 1.2.3

NSS secretary: The NSS secretary along with departmental coordinators conducts various activities of social relevance. Blood donation is arranged twice in a year with record of 1000 blood units every year 1.2.4 Magazine secretary: The magazine team under the leadership of the magazine secretary publishes a college magazine 'WITness' and various departmental newsletters. The processes like collecting the material, editing, designing and publishing are carried out by students.

2. Role of students in Academic and Administrative activities: Students are involved in planning and provide feedback regularly related to teaching-learning method, other academic affairs and infrastructure etc. Students are also part of statutory bodies and provide feedback on various student issues and contribute towards improvement in the institute's working. Students are also a part of following bodies:

2.1 Professional student bodies: Students have representation in ISTE student's chapter, CSI student's chapter and IEI. Various Departmental Associations are run by the students. A national level technical symposium 'WITCHAR' is arranged every year in the month of March as a calendar activity, where technical events are organized by faculty in charge and student coordinators. The student volunteers help Training Placement Officer (TPO) to organize various placement activities. Every department has one representative in TPO committee who help to conduct online aptitude tests on Moodle as part of training and placement activity. The institute has student committee for Entrepreneurship Development Cell (EDC) and Soft Skill Development Cell (SSDC) which helps to conduct various activities under the guidance of faculty in charge. Computer Science Engg and Information Technology departments conduct 'WITech', an event consisting of various technical and non technical activities. Mechanical Engg Department conducts event 'Acceleration'. Students play vital role in planning and execution of these activities

2.2 Social student bodies: Various social bodies have student representation. This includes IQAC Committee, women grievance redressal committee, grievance redressal committee and anti ragging committee.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Association is registered on 12-12-2005 no. MHA/1465/05/Solapur The association interfaces between the alumni and the institute, creating a strong network. It provides opportunities to the students to excel in their field by using expertise and guidance of alumni who have already established themselves as successful professionals and entrepreneurs. The functions of the association are :

- 1) To bring the Alumni together to keep them in contact with the Almamater.
- 2) To foster the relationship between Alumni and present students.
- 3) To get participation of Alumni in developmental activities of the Institute.
- 4) To develop Industry-Institute interaction through Alumni members.
- 5) To improve placement opportunities for fellow alumni fresh graduates.

The activities of the Association is entrusted and vested in accordance by the Alumni Association Governing Body. It includes President, Secretary, Joint secretary , Treasurer and seven other members. The governing body shall meet at least twice a year. The General Body meetings of the Alumni Association of W.I.T., Solapur held at least once in a year. The Alumni of different batches come together and have meets of their batches. So far alumni association of W.I.T. has successfully conducted such Alumni Meets at Solapur, Pune, Delhi and abroad in Seattle, U.S.A. Alumni representation on various statutory bodies Internal Quality Assurance Cell (IQAC), BOS member: The alumni who are members of Board of Studies (BOS) are invited for the meetings wherein they play a major role in the process of curriculum improvement by suggesting changes according to current industry trends. Internal Quality Assurance Cell (IQAC) of the institute has alumni as a member who is involved in the development and application of quality benchmarks for various academic and administrative

activities of the institution. Departmental Advisory Board: Alumni are part of the departmental advisory board. They suggest changes in the course content and new courses to be introduced in various programmes Industry Expert: Expert talk by alumni, working in different organizations enable students to know the current industry trends, the corporate culture which enhances the teaching learning process and employability. Internship Entrepreneurship Awareness: Alumni from different domains help students to get internship at industry. The Entrepreneurship Development Cell (EDC) of the institute organises lectures by alumni to inculcate entrepreneurship skills in the students. Alumni are invited as judges for various technical competitions organized at the institute. Student's employability enhancement Placement: Alumni significantly contribute in the student placement activity. Some alumni act as linkages between the student and company to check that the requirements of the industry are satisfied before they are finally selected. Alumni Feedback: The institute takes regular feedback from alumni on various issues which help in overall development of students. They share their professional experience and share recent technologies and tools used in the industry. Our many Alumni have acquired top positions at various National and International Organizations. Most of them still interact with the faculty members and seek their guidance. This year many distinguished Alumni visited the Institute on various occasions and were felicitated.

5.4.2 – No. of enrolled Alumni:

2024

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

335745

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Association Meetings were held on 21/09/2019,28/02/2020 and 7/03/2020 The information about alumni contribution through different activities for Institutional development was given. The Alumni association has provided the various platforms for alumni in Institutional development activities. As an appreciation, many distinguished alumni were invited as Chief guest, Keynote speakers on various occasions such as Engineers day, Acceleration 2019, Wi-Tech 2019 etc. • 7 Alumni are working as Adjunct Faculty • 9 Alumni are on Departmental Advisory Board • 22 Alumni delivered Expert Lectures 07 have come as resource person for workshops • 4 Alumni were invited as distinguished guest and interacted with students • 7 Alumni worked as Evaluators for various technical festivals

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. NPTEL Local Chapter The chapter has been functioning successfully since January 2017 and faculty member Mr. Vipul H. Kondekar is spearheading its activities as the Single Point of Contact (SPOC). Decentralization is achieved through 'Departmental faculty coordinator' who looks after various activities like providing a list of available SWAYAM courses, students' enrollment, exam registration, identifying needy students for fee waiver, ascertaining suitable courses and faculty mentors through discussion with respective HODs. Every mentor is assigned @25 students for guiding and monitoring students for MOOC.111 faculty members were assigned the role of a mentor in 2019-20. In the year 2019-20, there were total 5433 enrollments for 423 various courses through our Local chapter. Out of 1511 students who appeared for the NOC examination,

1442 students successfully completed the courses with Gold, Silver and Elite certificates resulting in a success rate of 95 along with 27 National level Top Performers. Moreover, NPTEL course credit transfer is implemented by PAH Solapur university and a total of 582 students were given the benefit of credit transfer. As an outcome of this, Students are able to inculcate Lifelong learning, self-learning skills, avail the flexibility of learning 24/7 and explore the thrust areas of their interest. This activity has enhanced Technical as well as Soft Skills of the students, which has helped phenomenally for their placements and higher studies. Due to this outstanding performance, our NPTEL Local Chapter bagged 1st rank in Maharashtra 12th rank at all India level.

2. Professional Society Student Chapters - Computer Society of India (CSI), The Institution of Engineers India(IEI), Indian Society for Technical Education (ISTE) are actively engaged in organization of events for student development. Every professional society student chapter functions independently with organization structure as Chairman, Secretary, Treasurer and Ladies representative along with one faculty coordinator with following objectives: I) To provide environment for maximizing Human Resources II) To prepare students for Global competitions III) To enhance Employability IV) To inculcate team building spirit, social responsibility accountability More than 35 in-house events like Technical quiz, Aptitude tests, Virtual recruitment, Programming contests, Group discussion, Expert lectures, Industrial visits, Webinar, Workshops, Sports competitions etc., are organized yearly and around 2000 plus students actively participate in these events. In addition to in-house events, these chapters also organize National level symposiums namely WITChar, WITech Acceleration every year. @3000 participants across the nation actively participate in these symposiums. . ISTE Students Chapter is also associated with Kirloskar Ferrous Industries Ltd, to organize events related to Environmental Issues. Our ISTE Students chapter was awarded Best Students Chapter in Maharashtra and Goa section in the year 2016-17. IEI (India) Students' chapter offers scholarships to the needy students and has been recognized as one of the best chapters in Maharashtra. CSI student chapter has been awarded the most prestigious award from CSI India for best accredited student branch for consecutive three years and as Best Coordinator for 2016-17.

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
Curriculum Development	Being an affiliating institution, we follow university curriculum which maintains balance of various components. However, we contribute to curriculum development in many ways. Periodically suggestions received by DAB from various stakeholders including industry experts on curriculum along with mapping of COs to POs/PSOs are considered for curriculum development. On the basis of feedback and attainment level of outcomes, the identified gaps are communicated to university for curriculum revision. Till revision these gaps are delivered as content beyond the syllabus for attainment of outcomes. During year 2019-20 the

	<p>curriculum was revised for third year of four years course in which our faculty contribution is significant.</p>
Teaching and Learning	<p>Faculty competency is ensured through HR management while maintaining student faculty ratio. Our teaching-learning (T-L) process is blended student centric. Digital learning at institute includes e-content generation within institute, implementation of LCM, Use of instructional Strategies ICT Tools, e-submissions etc. 1276 videos and 170 LCM have been created during 2019-20. Part course delivery through LCM will be extended to few courses. Lower order thinking skills are assessed through conventional modes LMS-MOODLE and higher order thinking skills are assessed through PBL/competitions. Twice Students' feedback on T-L process every semester is seeds for improvement. Adherence to academic calendar is @95.</p>
Examination and Evaluation	<p>The institute has a focus on Outcome Based Education and the assessment and evaluation is aligned accordingly. Assessment is aligned with Program Outcomes (POs) Program Specific Outcomes (PSOs) which are attained through course outcomes. Assessment questions are based on different levels of Bloom's Taxonomy All the internal assessment is carried out as per the pre-declared schedule (with 90 adherence) and within an open environment with redressal of grievances rose by student, if any. The assessment uses a blend of conventional and ICT based tools. Being an affiliated institution, the End Semester Examination is conducted by PAH Solapur University</p>
Research and Development	<p>Research activities at Walchand Institute of Technology include funded research projects, and Industry collaborated projects. The institute is a recognized 'research center' of PAH Solapur University. 31 faculty members hold Ph. D. degree. Out of 56 admissions at WIT 'Research Center', 25 candidates have completed their Ph. D. in last six years. Institute faculties have been working on AICTE RPS funded projects worth Rs.45 lakhs. Institute allocated RD fund worth Rs 3080191/- in year 19-20. Total 26 industry collaborated projects were undertaken during year 2019-20. Research is carried out in</p>

thrust areas viz. Seismic performance of structures, Monsoon prediction Image Video Processing, Mechanical Micro systems, Data mining, Parallel Distributed Computing, Machine Learning, Genetic algorithms, Education Technology etc, In academic year 2019-20, total 64 papers were published by faculty in Journals and conferences.

Library, ICT and Physical Infrastructure / Instrumentation

Library has holdings of 20491 titles, 59635 volumes of books, 77 print journals and 647 e-journals. Digital library upgraded with sufficient number of computers with high speed Internet resources. ERP software is in place. MIS is implemented at institute. Faculty members started using ICT to facilitate teaching-learning with instructional strategies. Institute have 31916 sqm built-up area and adequate facilities of PCS. 852 computers connected through structured cabling, two MOODLE servers wi-fi zones are created. 8 additional Smart classrooms are developed for strengthening blended learning. Institute is having Equipments of Rs.1941.60 lakhs. Faculty creates learning videos in house at E-learning Center.

Human Resource Management

Institute has well defined strategic management planning on the basis of SWOC analysis for better HR management. Accordingly faculty members were trained for enhancing their competency, non-teaching technical staff were provided an opportunity to undergo training. During 2019-20, faculty have done 927 course certifications. 36 non teaching staff completed workshop on Libre Office Writer, Libre Office Calc Libre Office Impress. The faculty staffs are encouraged for qualification up gradation through various motivational schemes. The policies are transparent disseminated through website. Appreciation/Reward for Remarkable Work/Outstanding Contribution/Ph.D. completion. Promotions for good work/outstanding contribution based on PBAS performance. Financial support through loan upto Rs.10 lakhs. Welfare fund for medical expenses. Best Teaching/Non-Teaching employee award for devoted employee. Strategic development plan is prepared implemented for ensuring Faculty

	competency in emerging areas too.
Industry Interaction / Collaboration	Institute has Industry-Institute Partnership Cell for organizing internships, collaborative projects, research-consultancy, expert lectures on cutting edge technology, industrial visits training. During 2019-20, three additional MoUs were signed (total 25 MOUs). A Revenue of Rs. 22,50,434/- was generated through testing and consultancy. 15 industrial visits, 66 industry expert lectures were organized. 26 Industry collaborated projects were undertaken. 46 faculties have undergone industrial training. 11 faculties provided training to 11 industries. Institute had a "Platinum Rating" in AICTE-CII Survey Award 2019 for "Best Industry Linked Institute" for all courses. 326 students are placed and @650 students have completed their internship. Solutions to Industry problem statements are provided through Academic projects various Hackathons.
Admission of Students	Institute disseminates information about admission process schedule regularly through our website and other platforms. Admissions are through State Central Admission Process, strictly adhering to rules regulations of competent authority. Admission process is totally transparent and digitized including collection of fees through Payment Gateway and fees collected as decided by state fee regulatory authority. Our website is instrumental and effective in dissemination of admission schedule and process. During 2019-20 filling rate is 91, total 2347 students are admitted out of them 1430 are male and 917 female students. 1630 students are recipient of scholarship.

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

E-governance area	Details
Finance and Accounts	All the financial transactions are recorded in ERP software. All the financial statements like receipt payment A/c, Income Expenditure, Balance sheets are extracted from the ERP software. The bank reconciliation is also done through software. We encourage students to pay their college fees online through payment gateway. Salary to staff is credited to their bank account. All the payments of vendors, utility bills, various Taxes,

are made using net banking facility. Exam remuneration, student's deposits are paid using bulk payment facility. Institute is moving towards the fully digitized payment system from system of cash payments. All audited statements are available on institute website.

Administration

Various administrative activities are done through ERP software, from student enrollment till issue of TC. On completion of graduation, all activities documentation is done through ERP software. The library is fully automated transactions such as the issue/return of books. Students are able to search books online on the basis of their need. All day to day in house communication is done through intranet. Adequate computational facility is installed at entire institution. Even stakeholders' feedback is online. Institute is slowly marching towards paperless office. All the information, policies, notices activities are disseminated through institute website. Faculty e-Course Book, is an in-house tailor-made digital application to streamline the process for better governance for Outcome Based Education (OBE) and which is time saving tool for an individual faculty and for the Institute. Faculty e-Course Book efficiently serves the objective of maintaining the various records digitally by faculty members, which enables compiling the information digitally and archival of the same in the future leading to green engineering and paperless model.

Examination

Moodle is a Learning Management System(LMS) which is primarily used to provide online support for courses of a program. At our institute, MOODLE platform is effectively used for Publishing of Courses, Assessments and Feedback. Every faculty has created Learner Centric MOOC (LCM) i.e. Learning Dialogues (LeDs), Learning by Doing (LbDs) and assignments using MOODLE platform. Virtual Programming Lab (VPL) on MOODLE is effectively used for all programming languages benefiting both students and faculty. Students can run programs interactively. Also, Faculty members evaluate programming assignments by

setting various test cases. VPL is also used for programming contests effectively. Other ICT tools like Socrative, Kahoot, Padlets, Google forms, Google classrooms, SAFE tools, BodhiTree, Virtual Labs and various Simulation tools are used for formative and summative assessments. 1511 have appeared 1442 have passed NPTEL online examination and credit transfer to certain extent is done of these NPTEL courses for award of degree. The End semester examination is set with QPDS, Bar-coding on screen assessment therefore total examination system is digitized.

Student Admission and Support

Entry level Students admissions are done through State Central Admission Process, which is totally transparent and digitized. The whole process of admission which includes registration, document verification, application form confirmation, Option form filling Allotment is online. Institute disseminates information about admission process schedule regularly through our website and other platforms. The facility of payment gateway has been introduced which enables parents to pay fees online knowing the exact amount of fees to be paid. Student feedback collection its analysis is done through software. Online grievance system is implemented. Student progress is communicated digitally. All the information is disseminated through web portal. Scholarship exam forms are online. Students are provided with a computational facility to appear for Proctored examination using AIO for enhancing their placement opportunity. Competitions such as Hackathon (software hardware edition) are organized which are totally digitized. Webinars of industry experts helps students to enhance their employability. e-Learning material is created and e-books, e-journals are readily available to students. WhatsApp application, Google forms, Google classroom and other platforms are used for assimilation and dissemination of knowledge and application.

Planning and Development

E-Governance for planning and development is information system software that integrates departments

and functions across an organization into one computer system. This runs on a single database, enabling various departments to share information and communicate with each other. The systems comprise function specific modules, designed to interact with the other modules. • Students and faculty have access to e-mail and internet. Most of the data on admission, course allocation, time table, course evaluation and practice activities are computerized. Administrative activities such as accounting, purchase etc. are also computerized for swift execution of tasks and for instant availability, on the net, of the information needed by administrative officers. Most of the software needed for all this is installed. I.T. resources, databases and functional facilitation have been established, and are accessible as per needs. Faculties have access to Intranet and internet to augment their teaching and for the staff to carry on their work. The teachers have e-repositories in the departments to store their material. ERP solution for our institution ensures effective support, retrieval and efficacy of data • Finance management solution manages college budget and meet college's reporting requirements. This is a suite consisting of integrated modules that gives executive functions to college departments like Accounting, Payment operations, Transaction, Budget plan, Scholarship / Grants management, Stock Management, Book keeping and Report generation. • External examiner's remuneration deposit using online banking. Faculty and staff Salary or other payments are done online or through cheque. • Students event entry fee and college fee accepted through online banking

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
2020	Dr. S.A. Halkude Mrs.	FOSSEE Proponent	Nil	6600

	M.A. Nirgude Mr. S.R. Barbade Mr. V.R. Tribhuvan	Symposium, at IIT Bombay, 07-03-2020		
2020	Mrs. P. S. Yalagi Mrs. R. K. Dixit Mrs. S. M. Dol Mrs. M. A.Nirgude Ms. D. D. Awasekar	International conference on Transformations on Engineering Education organized by Anurag group of Institutions, Hyderabad, 5-8 January 2020.	Nil	42765
2020	Dr.P.S.Joshi Ms. T.S.Bhadras hetti	International Conference on Smart Materials and Nanotechnology (ICSMN-2020) organized by SKN, Sinhgad College of Engineering, Pandharpur, 2-4 Jan 2020.	Nil	7000
2020	Mr. P.S.R. Patnaik	2nd International Conference on Issues and Challenges in Intelligent Computing Techniques (ICICT), Auckland University of Technology, 7 June 2020.	Nil	6000
2019	Mrs. S. M. Dol	Computer Society of India under sub- category Thought Leader Award at the CSI TechNext India 19, Annual Industry and academia Conference and Awards(2018)- Education Creating a Digital Ecosystem, Mumbai, 21	Nil	2950

		September 2019.		
2019	Mr. G. P. Jain	eSim Coordinators Workshop at IIT Bombay	Nil	2891
2020	Mrs. V. S. Patki	Workshop on Analysis of Infrastructure for Enerized Irrigation (AIEI) under Unnat Maharastra Abhiyan (UMA) at MIT Aurangabad	Nil	2440
2020	Mr. P.P.Tambe	Workshop on Arduino for Teachers at IIT Bombay	Nil	1643
2019	Dr. S.A. Halkude	22nd International conference on Interactive Collaborative Learning (ICL2019) and 48th International Conference on Engineering Pedagogy 25-09-2019 to 28-09-2019 at Bangkok	Nil	97989
2020	Mr. P. D.R.Patnaik	One Day Coordinators Workshop on C and CPP	Nil	2000
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the College 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	Workshop on Hit Office (Construction ERP)	Nil	07/03/2020	09/03/2020	3	Nil

2019	One day Workshop on Linux	Nil	23/08/2019	23/08/2019	52	Nil
2019	Workshop on eSim A first Course in the IOT Series for Teachers	Nil	21/09/2019	21/09/2019	39	Nil
2019	One day Workshop on R Programming	Nil	09/11/2019	09/11/2019	71	Nil
2020	One day Workshop on Aurdino	Nil	08/02/2020	08/02/2020	19	Nil
2020	One day C and CPP Workshop for Teachers	Nil	29/02/2020	29/02/2020	32	Nil
2019	Faculty Development Workshop on Virtual Labs	Nil	11/10/2019	11/10/2019	30	Nil
2019	Workshop on 'Introduction to Autodesk Civil 3D'	Nil	26/05/2020	26/05/2020	12	Nil
2019	FDP on disruptive Innovations in Teaching-learning	Nil	05/09/2019	05/09/2020	35	Nil
2020	Workshop on "Shear strength of fibre reinforced concrete deep beams using Imetrum Video Gauge Measurement System"	Nil	11/03/2020	11/03/2020	30	Nil
View File						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher

Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP on disruptive Innovations in Teaching-learning	35	05/09/2019	05/09/2019	1
NPTEL FDP: Advanced Concrete Technology	1	29/07/2019	18/10/2019	8
Workshop on 'Introduction to Autodesk Civil 3D'	12	26/05/2020	26/05/2020	1
Workshop on Linux	32	23/08/2019	23/08/2019	1
Workshop on eSim A first Course in the IOT Series for Teachers	20	21/09/2019	21/09/2019	1
Workshop on R Programming	67	09/11/2019	09/11/2019	1
Workshop on Aurdino	16	08/02/2020	08/02/2020	1
Workshop on C and CPP for Teachers	24	29/02/2020	29/02/2020	1
Faculty Development Workshop on Virtual Labs	30	11/10/2019	11/10/2019	1
Workshop on Hit Office (Construction ERP)	3	07/03/2020	09/03/2020	3
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
129	165	104	122

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Recognition to outstanding faculty with	1. Recognition to outstanding non-teaching	1. Various scholarship schemes for eligible

<p>"Bhausaheb Gandhi Sevabhavi Puraskar". 2. Facility of Group Medical Insurance, EPF and Gratuity Fund for regular faculty 3. Availability of financial support through various schemes of employees co-operative society. (Patapedhi) 4. Provision of employer Welfare Fund Savings Scheme by Credit Cooperative Society. 5. Recognition /Promotions for good work based on PBAS performance and outstanding contribution/ completion of Ph.D.. 6. Deputation for higher studies. 7. Promotion to higher post. 8. Opportunities to upgrade their knowledge through training. 9. Duty Leave/Medical Leave/study leave/Maternity Leave. 10. Birthday celebration. 11. TA and DA for presenting technical papers in national and international conference 12. Admission to ward on priority basis. 13. Need based advance against salary.</p>	<p>staff with "Bhausaheb Gandhi Sevabhavi Puraskar" for their devoted work 2. Facility of Group Medical Insurance, EPF and Gratuity Fund for regular non-teaching staff 3. Availability of financial support through various schemes of employees cooperative society. (Patapedhi) 4. Provision of employer Welfare Fund Savings Scheme by Credit Co-operative Society. 5. Recognition /Promotions for good work based on PBAS performance and outstanding contribution. 6. "Earn while you learn" scheme for non-teaching staff, for higher education during service. 7. Extending facilities for higher studies to non teaching staff. 8. Promotion to higher post. 9. Duty Leave/Medical Leave/study leave/Maternity Leave. 10. Birthday celebration. 11. Admission to ward on priority basis. 12. Need based advance against salary</p>	<p>needy students 2. Tuition Fee Waiver scheme for Economically Backward Students 3. Book Bank facility 4. Book loan scheme to the handicapped, topper and SC-ST students 5. Felicitation to meritorious students 6. Awards prizes on achievements in Academic, co-curricular, extracurricular sports activities. 7. Accidental Insurance scheme for students 8. Medical facility through MOUS with various hospitals</p>
--	---	---

6.4 – Financial Management and Resource Mobilization

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

Institute for its transparency and consistency in operational activities carry out internal audit continuously through a qualified person appointed on the roll of the institute. It focuses on routine activities and suggests the areas for improvement. The internal audit also aims at minimizing discrepancies to be identified through external audit. As an impact of judicious Internal audit, external auditors report has no adverse remarks regarding the state of affairs of the Institute. The financial audit of the institute is conducted annually by an independent external firm of Chartered Accountants. Auditors visit our premises twice a year owing to large volume of financial transactions. Our staff cooperates fully by providing all the necessary information and explanation, so that the audit can be completed on timely basis. Auditors give their opinion whether financial statements present true and fair view of state of affairs of the institute at the end of that financial year and whether the financial statements are prepared in accordance with specified Accounting and Auditing standards formats specified by ICAI. The audited financial statements are submitted to various competent authorities. These annual audited statements are available on institute web site.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
S.A.P.D.J..Pathashala	76447059	For Academic Development Maintenance
View File		

6.4.3 – Total corpus fund generated

54805000

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Industry / Academic Expert outside the Institute	Yes	Faculty from other department of the Institute Faculty from other department of the Institute
Administrative	Yes	Industry / Academic Expert outside the Institute	Yes	Faculty from other department of the Institute

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

1. Parents Meet 2. Feedback from parent 3.Support to co-curricular extracurricular activities 4. Participation on various administrative committees

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

1. Workshop on Libre Office Writer. 2. Workshop on Libre Office Calc. 3. Workshop on Libre Office Impress

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

1. Participated in AICTE - Clean Smart Campus and awarded for the Best Practices followed in the institution in Clean Smart Campus Awards-2019 2. Preparation and Implementation of Strategic plan to overcome Weaknesses as observed by accreditation agencies . 3. Technology enabled online platform for content delivery assessment during Covid lockdown. 4. Offering of Honors degree along with regular degree from A.Y. 2020-21 in emerging area is initiated in all streams of engineering. 5. Increase in number of students using Hacker Rank, Hacker Earth platforms for improving problem solving skills through programming: Nearly 600 students are benefited. Evidence of success is seen through 3 finalist teams in SIH 2020 and Winners in various Hackathons /competitions. 6. Web Proctored assessment has become part of campus recruitment. Therefore to facilitate proctored evaluation, 50 AIO (All-in-one) Computers and one server are procured. Nearly 600 (double the students of previous year) students are benefited 7. Inculcating lifelong learning through self-learning courses using platforms such as Coursera, NPTEL, TCSion etc. 8.

Efforts to have online internships. This year 311 students have done online internships. 9. @ 25 percent course contents are covered through LCM created by institute faculty and deployed on institute MOODLE.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Comprehensive feedback from all stakeholders collected and analyzed	01/07/2019	01/07/2019	30/06/2020	2867
2019	Annual internal Academic Audit of all programs	01/09/2019	01/09/2019	30/09/2019	205
2019	Participation in National Institute Ranking Framework (NIRF)	05/09/2019	05/09/2019	30/11/2019	205
2019	Participation in AICTE-CII Survey for Best Industry Linked Institute	03/07/2019	03/07/2019	14/08/2019	205
2019	Participation in AICTE- Clean Smart Campus-2019	10/06/2019	10/06/2019	10/09/2019	205
2019	Submission of Annual Quality Assurance Report (AQAR of A.Y. 2018-19)	01/09/2019	01/09/2019	28/02/2020	205
2019	Pre-qualifier approved SAR	01/08/2019	01/08/2019	08/01/2020	205

	submitted for Accreditation of two UG (CSE IT) programmes to National Board of Accreditation, New Delhi.				
2019	Strategic plan to overcome strengths Weakness (Areas of improvement) of 04 UG programs accredited by National Board of Accreditation, New Delhi. (Civil Engg., Electronics Engg., Electronics Telecommunication Engg. Mechanical Engg.)	01/07/2019	01/07/2019	30/06/2020	75
2019	IQAC Meeting of July, 2019	06/07/2019	06/07/2019	06/07/2019	17
2019	IQAC Meeting of October, 2019	12/10/2019	12/10/2019	12/10/2019	17
View File					

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Tree Plantation	01/07/2019	01/07/2019	43	72
Engineers Week Activities for employability	15/09/2019	15/09/2019	1377	1192

enhancement and soft skills development				
WITech-A National Level Technical Symposium	05/10/2019	05/10/2019	544	470
Kirloskar Vasundhara organized "Green College Clean College" PPT/Short Film competition won First Prize	25/02/2020	25/02/2020	4	6
Solapur Chuppi Todo 2020 Rally against Child sexual Abuse	23/03/2020	23/03/2020	9	17
'Talent hunt' program entitled "My Campus Stars" organized by 95 MY FM and Jai-J uiVicharmanch, Solapur	28/08/2019	28/08/2019	19	11
Online Business Quiz arranged by Apex University -attended by students	31/05/2020	31/05/2020	8	10
"Engineer to Entrepreneur" by Mr. Vishal Kulkarni - Faber Infinite Consulting, Pune	11/06/2020	11/06/2020	36	67
Legal Awareness/Literacy Camp (for Victims of drug abuse, domestic violence etc.) in association with District Legal Services Authority, Solapur	26/07/2019	26/07/2019	49	71
Rally organized by National	02/10/2019	02/10/2019	19	51

Highways Authority of India, Solapur Division (NHAI) for "Say no Single use plastic" on the occasion of "Gandhi Jayanti"				
Stress Management for working Women on International Women's Day	07/03/2020	07/03/2020	43	Nil
Current Health Scenario in young Generation on International Women's Day	07/03/2020	07/03/2020	45	Nil
Workshop on Journey Towards Success on International Women's Day	07/03/2020	07/03/2020	41	Nil
Blood Donation Camps	12/10/2019	12/10/2019	63	495
Blood Donation Camps	07/03/2020	07/03/2020	51	477
International Yoga Day Celebration	21/06/2019	21/06/2019	41	74
Innovative Business Idea competition	06/10/2019	06/10/2019	4	11
Entrepreneurship Awareness Camp	01/01/2020	02/01/2020	33	75
Constitution Day Celebration	26/11/2019	26/11/2019	33	42
"Youth Court" by IBN Lokmat Marathi News	29/08/2019	29/08/2019	69	80
Art Exhibition	28/02/2020	01/03/2020	184	89
Acceleration - A National Level Technical Symposium for Mechanical Engg	05/10/2019	05/10/2019	75	498

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

- Major steps are taken by WIT on Energy conservation like optimum use of paper which has saved 87 trees. • WIT carbon footprint has been developed to understand the impact of human activity on climate and make modification that can reduce carbon emission and its impact on environment. • Reusable treated grey water helps in reducing the overall water requirement of the campus. • Similarly the renewable resources installed in the college campus like vermi composting and solar technology, helping reducing the carbon credits of campus. • Rainwater harvest has been implemented to recharge ground water table. Soak pit are made at many places for rain water to percolate in ground and reducing the runoff water in sewers. • Sharing of vehicles have been implemented in the faculty residing in same local area so as to save energy and reduce emission of carbon dioxide. • WIT works on various new and innovative methods like FPD and webinars. These methods are efficient and error less. They saved the transportation time of respective faculty. It primarily reduced the unusable time with reducing the carbon credits too. • ICT videos are making students smart and sessions are designed in such way that use of papers and electricity relative to regular classes, are reduced.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	3
Provision for lift	Yes	3
Ramp/Rails	Yes	3
Rest Rooms	Yes	3
Scribes for examination	Yes	3

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	01/07/2019	25	Evaluation of Whirling Speed of an Induction Motor	In this project, whirling velocity of shaft of newly designed motor was determined to avoid failure make sure safety.	2
2019	1	1	01/07/2019	25	Design, Analysis and Testing	Design of semi-automatic ironing	2

					of Low Cost Semi-Automatic Ironing Machine	machine was proposed to scale back effort and time required for ironing.	
2019	1	1	30/12/2019	208	National Air Quality Monitoring Programme (NAMP)	Growing air pollution has emerged as a serious concern in the Solapur city, with vehicular emission and dust contributing a major share of the deteriorating air quality.	9
2019	1	1	19/08/2019	80	Environmental Impact Assessment of river sand mining	Sand mining is one of the biggest factors of environmental imbalance. Detailed analysis of requirement of sand and its fulfillment is studied. In this study the factors and remedies are suggested	7

						for sand mining.	
2019	1	1	31/10/2019	80	Preparation of Road Safety Audit for Major Intersections at Shanthi Chowk Solapur	One day traffic and pedestrian survey conducted at Shanti Chowk direction wise. After detailed analysis it is proposed that, junctions needs to be reconstructed Along with incorporating New signs, signals, marking etc.	157
2019	1	1	20/08/2019	75	Planning and Design of a Lift Irrigation Scheme for a Drought Prone Area with Socio-economic Analysis	The project work undertaken deals with the various aspects of 'Water Resources Engineering' associated with this scheme. The study will be useful for the Government and Policy makers	6
2019	40	40	02/07/2019	240	Project Consultancy And Technical	Services are provided	40

					services in civil Engg	to various local government and private organizations	
2019	1	1	01/07/2019	20	Investigation and analysis of Gearbox Using DFMA	The time to assemble the parts of a gearbox was more leading to lesser production. In this project, investigation of this assembly parts was done using DFMA software. Suggestions were given to reduce the variety number of parts.	2
2019	1	1	01/07/2019	30	Design and analysis of a clutch for an industrial gear box.	Nonstandard clutch for motor was designed to fulfil the requirements of an industry.	5
2019	1	1	01/07/2019	30	Design and analysis of worm gear in industrial gearbox	Change of various design parameters, lubricant and material	5

in the existing gearbox suggested for the power loss due to friction.

[View File](#)

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

Title	Date of publication	Follow up(max 100 words)
Code of Conduct Handbook	20/01/2019	<p>Institute believes in transparency in its functioning. In view of this, institute has prepared the code of conduct which includes service rules, method of recruitment, leave rules, medical facility, conduct discipline, Annual confidential report along with duties and responsibilities of employees. The handbook for code of conduct is available on the institute website and is being continuously referred by faculty, staff and students. Faculty and staff adhere to various rules regulations and ethical moral guidelines of it. All faculty and staff submit Annual Self Evaluation Report which is assessed properly to stimulate appropriate actions and rewards for healthy working environment.</p>
Core Values	20/01/2019	<p>Student-Centered: Students organize and participate over 15 various events. As well they participate outside. In all@2000 students showcased their talent and @400 students bagged the prizes at International/National level. Learning-centered: Faculty members</p>

continuously update to innovate Teaching-Learning process. 768 certifications is testimony to faculty upgradation. Excellence: Grant of @Rs.24 lakhs received through various resources towards research and innovations, leading to 39 quality research publications.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Technical English for Engineers	11/07/2019	10/10/2019	324
Movie screening on Universal Human Values	06/08/2019	06/08/2019	368
Student Induction Program-General Awareness Program through Interaction with Students by Commissioner of Police Ankush Shinde	09/08/2019	09/08/2019	484
Student Induction Program: Guest Lecture on Democracy, Elections Good Governance by Dr.Shrikat Yelegoankar	04/03/2020	07/03/2020	439
Yoga: Student Induction Program Guidance Lecture Yoga for Self Awareness by Mr.DevGosaki(Art of Living)	21/08/2019	09/09/2019	414
Importance of sports in life on the occasion of - National Sports Day Celebration	19/08/2019	19/08/2019	386
Professional Ethics Human Values	11/07/2019	10/10/2019	37

[View File](#)

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

1. Eco friendly campus is the need of hour. It shows the college is concerned

about the environmental issues and their sustainable solutions. WIT is focussed and working at a faster rate to become Eco friendly campus. WIT invented its own and specific "carbon footprint calculator" to calculate CO2 emissions from the campus. To minimize CO2 emissions various solutions planned and implemented successfully. 2. WIT continuously worked keenly on "green campus" idea. Policies were made to work with the further green agendas. Green policies will make WIT to work towards environment with the help of brainy technology and heart full society. 3. Use of LED energy efficient light bulbs to save energy. Monitoring of Solar energy through IoT app. 4. Cut down on the paper and keeping electronic copies instead of taking print out and reducing impact on environment with the help of brainy technology and heart full society. 5. Collection and recycle of dry and waste material separately. 6. Use of Free Open Source Software:20 to 40

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1 Faculty e-CourseBook:An in-house tailor-made digital product for maintaining record of faculty Course file and allied details. 1.Objectives

- Digitizing the faculty academic records to make documentation easier and simpler for continuous improvement.
- Bringing uniformity in maintaining academic records
- Managing, monitoring and utilizing the data effectively for continuous improvement

2.The Context In an Outcome Based Education(OBE), a course file is an essential document. However, maintaining a course file as a hard copy is time consuming task and deriving various metrics from course file is challenging due to non-uniformity. Therefore, institute developed Faculty e-CourseBook to streamline the process for better governance through standardization and step towards digitization, time saving for faculty members.

3.The Practice Faculty e-CourseBook is used as a tool for maintaining academic records by an individual faculty member, which serves as vital input to improve the quality of teaching-learning and continuous monitoring by authorities. Faculty e-Course Book is in modular form relating to OBE, Faculty Performance, Academic Schedule, Assessment Continuous Improvement, Personal details of a faculty member. At commencement of every semester, Coordinator creates a copy of e-Course Book (taking into account all suggestions and grievances received) for every faculty member and assigns 'right to view' to HODs and Principal for monitoring from time to time. Faculty e-course Book efficiently serves the objective of maintaining the various records which enables compiling the information and archival of the same for deriving the various matrices by the institution. This assists to submit information to various authorities as and when required, leading to green engineering and paperless model.Faculty e-Course Book is being incrementally extended to improve usability experience and ease of use.

3.1Implementation Details: A team of Faculty has developed Faculty e-Course Book using G-Suite containing following modules:

- Personal details, Timetable
- POs/PSOs/PEOs, Course details
- Attendance: Theory/Practical/Tutorial attendance module with improved data entry system for ease of use with reporting feature.
- ESE/ISE/ICA Assessment
- Research publications
- Conference/Workshop/FDP details
- Departmental/University work
- ET and LCM activity details
- Faculty e-CourseBook monitoring
- Principal
- Head Departmental e-CourseBook Coordinator
- Class Coordinator, Course Teacher
- Student profile module to present one page view of student's progress

3.2Journey: Institute has started Course Book in the hard copy in 2013-14.As a step towards digitization, in 2016-17 we have developed a soft version of Faculty e-CourseBook in a word document. Later we have developed it in a G-Suite for maintaining it easily from anywhere and anytime. As a pilot project, it is implemented for Computer Science Engineering and information Technology programs in 2018-19 and @35 faculty members have used Faculty e-Course Book. On the basis of feedback, the Faculty e-Course Book is revised in the year 2019-20

and nearly all faculty members of our institution are now using Faculty e-Course Book for their academic record maintenance. 4. Evidence of Success • All faculty members are maintaining their academic records through Faculty e-CourseBook. •

Faculty e-CourseBook is one of the approved best practices of AICTE. All faculty members from our institute are using this e-CourseBook for maintaining academic records. • Institute has received "Clean Smart Campus Award-2019" for this best practice 5. Problems Encountered and Resources Required • Initially during the development phase Domain creation and content generation took more time • Collaboration and testing • Training is essential for non IT background faculty • Regular follow-up facilitation was required for the successful completion of activity Resources required • Product development expertise.

• Coordinators for regular follow ups • Google mail and drive Best Practice 2 Professional learning community (PLC): A model incorporating ET Practices for continuous improvement in blended Teaching-Learning process. 1. Objectives • To provide a platform for faculty members to share and exchange views/suggestions regarding Education Technology (ET) research experiments, a way to improve Teaching-Learning (T-L) process continuously. • To blend various learner centric strategies and ICT tools in Teaching-Learning process to enhance learning outcomes, while addressing diverse students groups • To review ET activities periodically provide expertise/guidance through regular meetings follow ups.

• To engage teachers in peer discussions and assessments of the resources created and to make available course contents in the form of videos, OER etc. and create Learner Centric MOOC (LCM). • To facilitate students to learn anywhere, any times and many times. 2. The Context Innovation in teaching-learning is always necessary for education to help students to explore their full potential and to enhance creativity and critical thinking. Teachers' belongingness for innovation is a key factor for its success. Conventional teaching learning process can be strengthened by blending ET practices for active learning. To facilitate the innovations, we have established localized PLC at the institute level. 3. The Practice PLC at our institute is constituted to continuously enhance teaching-learning process, which is comprised of administrator, ET experts ET researchers, departmental coordinators and novice learners. Regular meetings facilitate interaction through group dialogue to a significant extent peer review and individual counselling, if required and connect through departmental coordinators for implementation. This

Organizational structure and leadership practices served to create a foundation for intra and inter department collaboration. Through Local study groups, members actively get engaged in peer discussion and review of the resources created. Rubrics are developed for assessment employing collective wisdom of PLC which focuses on disruptive innovations in teaching-learning through:

1. Creation of e-contents and LCM 2. Continuous use of different Instructional Strategies and ICT tools during course delivery 3. Use of learning management system (LMS): MOODLE for generating quality content, recording studio titled 'E-Learning Centre' is established. Through continuous monitoring, peer review, experimentation and counselling, the results have been achieved to empower teachers to create course content in form of videos for the benefit of student learners. Every faculty member keeps on adding videos in a phased manner and is creating LCM partially on Institute MOODLE server. In addition to watching the videos, students carry out activities based on the content of the videos and accordingly they are assessed. PLC has set a well-defined process for video creation LCM implementation, use of instructional strategies ICT Tools. 3.1 Planning 1. Preparation of course content • Identification of topics/units for creating Videos (Single Unit/muddiest Points/Problem Solving etc.) • Content verification and authentication by departmental experts based on rubrics (Learning outcome, Content Quality, Reflection Spot, Duration, citations, presentation etc.) set by PLC. 2. Schedule for creation of video and posting on YouTube after department screening approval 3. Implementation of LCM (Learning Dialogues (LeD), Learning by doing (LbD) followed by Assignment) on MOODLE

spread over the semester 4. Planning of Instructional Strategies/Tools/Innovations for every course in addition to LCM

3.2 Implementation 1. Schedule for the student for implementation execution of LCM 2. On completion of LCM, Feedback by student course faculty on activity 3. Submission of departmental ET report 4. Review on completion of activities further planning Thus, 360 degree feedback by stakeholders assists in overall improvement of the activity. Quality of e-content generation has improved to are markable level enabling disruptive innovation in higher education, while enabling students to learn anywhere, anytime and many times.

3.3 Journey: 2015-16 to 2017-18: 32 faculty members started pedagogy initiatives to improve teaching learning. Faculty members received training on ET and started employing instructional Strategies ICT tools during content delivery. They created videos as a learner using Screencast. @10 instructional strategies and @7 ICT tools were practiced. 2018-19: Total 1041 videos and 180 LCM created on MOODLE platform along with employing ET strategies and ICT tools. @15 instructional strategies and @10 ICT tools were practiced. • 2019-20: Total 1276 videos and 170 LCM created on MOODLE platform along with employing ET strategies and ICT tools. Various instructional strategies like Problem/Project Based Learning (PBL), Gamification, Jigsaw, Live Coding, Pair programming, Flipped Classroom, Visualization/Simulation, Think-Pair-Share, Peer Instruction, Group Discussion, Role Play etc. were used during content delivery. For assessment and content delivery, various tools like BodhiTree SAFE, WEKA, Tableau, Bubblino, LogicSim Tool, JFLAP, VPL, Socrative, Virtual Labs, MATLAB toolbox etc. were used. During lockdown period, e-content generation, LCM creation implementation and flipped classroom are effectively implemented. @100 videos are created during this period. Online lectures/discussions happened through various platforms like Zoom, GoogleMeet, Webex, YouTube etc. Alongwith institute MOODLE server, Google classroom, Gnomio, Google Forms are used for communication, assessment and deployment for material.

4. Evidence of Success • PLC activities were highly appreciated by gathering of the Fourth International Conference LaTiCE 2016 at IIT Bombay • As on June 2020, @2175 videos are created and published on our YouTube Channel (<https://www.youtube.com/channel/UCb9okJF6NGPDUGgAQxu3TcA>) , with subscribers 16.8K and views 2420059 as on date. • All faculty members are implementing various ET practices resulting improvement in students' performance. Out of this, substantial practices are emerging as the best practices. • Received grant of Rs.2505000/- for establishing e-learning centre from AICTE New, Delhi. • One faculty member is recipient of IUCEE outstanding Engineering Educator Award for the year 2016 amongst 5 from all over India. In all, 4 faculty members are recipient of IUCEE Faculty Fellow Award all over India. • 29 faculty members of our institute are amongst top 253 nationwide recipients of SAP Fellowship Award and 23 faculty members have worked as Associate Faculty of IIT Bombay for FDP on ET. • 49 Research publications in ET during last five years.

5. Problems Encountered and Resources Required

- Collaboration and peer assessment
- Regular follow-up facilitation Resources required
- Smart Classroom
- Recording Setup
- MOODLE Server
- Internet
- Expertise in ET

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

<https://witsolapur.org/bestpractices.php>

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

Mutually Beneficial Industry-Institute Collaboration The Institute has a well-structured Industry Institute Partnership Cell (IIPC) for engaging activities with Industry in collaboration. Industry experts including our alumni, who are

frontiers in their respective professions, are invited for interaction. Discussions are focused around internships, student projects, curriculum reframing, entrepreneurship, collaborative academic activities research, technical support for establishing new laboratories and research. Industry expert's representations on various institute bodies provide an opportunity to seek suggestion of improvement. Recommendations of industry experts are sent to the board of studies for due consideration and are implemented in the curriculum. Institute received a "Platinum Rating" in AICTE CII Survey Award 2019 for "Best Industry Linked Institute" for all courses. Orientation courses for students from college to corporate are organized. Skill development programmes are organized with the view of making students Industry friendly and ready. Institute has many functional MoUs with industries, mutually benefiting for various aspects. The institute continues research and project work with sponsored labs - ARM , Cypress (US), ACTEL and IBM and has linkage with industries where industry experts provide training to the faculty and students through various foundation programs. During 2019-20, three additional MoUs were signed making total 25 MOUs, Revenue of Rs. 28,60,434/- was generated through testing and consultancy to 96 industries. 15 industrial visits, 66 industry expert lectures were organized. 26 Industry collaborated projects were undertaken. 46 faculties have undergone industrial training, institute faculty members have provided training to 11 industries. Total 15 experts from leading industries rendered their services as adjunct faculty. Faculty of institute provides training to industry and other academia. Worth mentioning is institute's engagement with industry to provided training and project based consulting services on Cloud and AI/ML technologies. The institute provided training sessions to approximately 100 participants from industries like CGI Inc, Saama Technologies (India) Pvt Ltd, First American Corporation (India) Pvt Ltd on the AWS, Azure, GCP and AI/ML. During 2019-20 total 326 final year students were placed through on campus placement drive across 50 companies of national and international repute with highest salary of 10 Lakhs PA and average salary of 5.10 Lakhs PA. During 2019-20 the institute has actively participated in collaborative projects for textile industry, Road Safety Audit for Municipal Corporation and Smart City project. Students have completed 2964 professional courses offered by Coursera, such courses are normally taken by professionals for their updation. Institute has entered into collaboration with RP Goenka foundation from Goenka Industries. Through this industry collaboration, Students received training for their employability enhancement through industry experts. 80 students benefited with this program. Exposure to emerging technologies is very essential to be industry ready. As a part of Google's Career Readiness initiative institute, 90 students are receipt of QwikLabs credits of worth \$100 per student totalling to 9000\$ scholarship in the form of credit for acquiring expertise in Cloud Computing: The institute has established Entrepreneurship Development Cell with the objective of creating and fostering the spirit of entrepreneurship among the youth.

Provide the weblink of the institution

<https://witsolapur.org/pdfs/institutional-distinctiveness-19-20.pdf>

8.Future Plans of Actions for Next Academic Year

Institute is planning to implement autonomy from the year 2020-21 subject to approval. The autonomy will be used as an advantage to provide curriculum flexibility. Accordingly, the entire system for autonomy will set. • Continue to participate in various quality evaluation surveys like NIRF, AICTE-CII Survey for Industry Linkages, Times of India survey, etc. • Introduce an Honors degree in emerging areas • Collaborations with foreign universities/organizations • Thrust will be on various collaborations with industry through various linkages and research in collaboration with industry issues of societal relevance will be undertaken. • Enrich infrastructure for facilitating disruptive innovations in

teaching-learning and research. • To Increase no. of proposals for raising funds/Grants through various Government/Non-Government funding schemes, sponsored projects consultancy and publish quality research papers. • Continue to undertake various programs for up-gradation in qualification and enhancement of skill of faculty Non-teaching staff. Encourage faculty to undertake complete their doctoral studies. • Faculty to create e-contents (Videos) and Learner Centric MOOC, carry out various Education Technology (ET) practices enriching Teaching-Learning process and promote various best practices • Efforts to create MOOC on SWAYAM /other MOOCs platform /any other Government initiatives • Regular use of platforms like Hacker Rank, Hacker Earth, etc. for improving problem solving skills through programming. • Increase students participation in various co-curricular activities like Smart India Hackathon, Project Competitions, Paper presentation, etc. • Efforts will be taken to have paid internships for students will have more focus on the conversion of students' internships into placement. All students will undergo at least one month Internship. • Various training programs for students to enhance employability. •The self-learning ability of the students shall be nurtured by making them enrolled for various courses available on the MOOC platform to inculcate lifelong learning. • To create awareness and assist society in various national programs and societal Activities • Plastic-free campus initiatives: Ban on plastic bags <50 microns thickness, promote the use of jute/cloth bags and personal steel utensils for catering, initiation of research, awareness programs, ban on non-recyclable plastic bottles lesser than 500 ml, reuse of plastic waste in the form arts and useful products • Promote 4R (Reduce, Recycle, Reuse, Restore) practices for optimal use of natural resources for sustainable development • Increase use of Free Open Source Software to a possible extent • Organize a workshop on Environment and climate change • @2-5 extension activities per year for providing 'Green Solutions to rural problems' • Partnering with NGOsto implement a technologically-driven environment and sustainable solutions Institute always encourages enhancing usage of open source and FOSS software by patterning with various industries, student internships along with stipends/scholarships, exposure in emerging technologies and Collaborations with new industries.