



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution		WALCHAND COLLEGE OF ENGINEERING
• Name of the Head of the institution	Dr. P. H. Sawant	
• Designation	Director	
• Does the institution function from its own campus?	Yes	
• Phone No. of the Principal	02332303433	
• Alternate phone No.	9322213065	
• Mobile No. (Principal)	9322213065	
• Registered e-mail ID (Principal)	director@walchandsangli.ac.in	
• Address	Opp. Willingdon Post Office, Vishrambag, Sangli	
• City/Town	Sangli	
• State/UT	Maharashtra	
• Pin Code	416415	
2.Institutional status		
• Autonomous Status (Provide the date of conferment of Autonomy)	20/11/2006	
• Type of Institution	Co-education	
• Location	Urban	

• Financial Status	Grants-in aid				
• Name of the IQAC Co-ordinator/Director	Prof. Dr. Uday A. Dabade				
• Phone No.	02332303115				
• Mobile No:	9820542138				
• IQAC e-mail ID	msiqac@walchandsangli.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	http://www.walchandsangli.ac.in/iqac/AOAR%202019-20.pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	http://www.walchandsangli.ac.in/academics2122.asp#Academic%20Calendars%2020-21				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	A	3.25	2016	29/03/2016	28/03/2021
6.Date of Establishment of IQAC			05/05/2015		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
Maharashtra Pollution Control Board	SAMP	MPCB	01/06/2020	900000	
DST - Dr. S. B. Kadam	CIVIL	DST	01/06/2020	4987000	
8.Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the	View File				

composition of the IQAC by the HEI		
9.No. of IQAC meetings held during the year	2	
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
<p>1. Seed funding project "Sanitizer Tunel for WCE" 2.2 days online FDP on Engineering Pedagogy in Post Covid - 19 Paradigm 3. online guest lecture on" Unlocking the Opportunity by unboxing the mind power" 4. Online Workshop conducted on 24 & 25 Sep 2020 on "Outcome based Education" 5. One week online workshop on "Digital Transformation & Pedagogies" at WCE on 10 to 14 August 2020</p>		
12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:		

Plan of Action	Achievements/Outcomes
<p>Organizing e-baja competition for battery operated all-terrain vehicle.</p>	<p>Organized e-baja competition for battery operated all-terrain vehicle. Effi-cycle competition for battery operated tricycle.</p>
<p>Developing IPR policy for institute</p>	<p>Funding is provided for patent filing. IPR policy for institute is developed. In 2020-21 following patents are filed. a) Contactless Sanitation System b) Real-time temperature monitoring system for casting plant. C) Water Supply System for Multistory Buildings. d) A Method of working of a Vibration Isolation system using Phononic Material in a Structure. e) Handy device and process for non-destructive identification of devgad alphonso mango and its ripening percentage f) Design and Development of SOA based context aware pervasive system frame work g) A Smart Egg incubation system with gender identification and machine learning based automatic controlling h) Vibration Suppression of civil Engineering structures by using three dimensional isolator i) Device to detect Harmonic Distortion</p>
<p>13. Was the AQAR placed before the statutory body?</p>	<p>Yes</p>
<ul style="list-style-type: none"> Name of the statutory body 	
<p>Name of the statutory body</p>	<p>Date of meeting(s)</p>
<p>AC</p>	<p>24/07/2021</p>
<p>14. Was the institutional data submitted to</p>	<p>Yes</p>

AISHE ?	
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
28/01/2020	11/02/2020
Extended Profile	
1.Programme	
1.1	16
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	No File Uploaded
2.Student	
2.1	2340
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	No File Uploaded
2.2	660
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	No File Uploaded
2.3	2340
Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	No File Uploaded
3.Academic	

3.1	739
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	No File Uploaded
3.2	66
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	No File Uploaded
3.3	90
Number of sanctioned posts for the year:	
4.Institution	
4.1	228
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	26
Total number of Classrooms and Seminar halls	
4.3	1450
Total number of computers on campus for academic purposes	
4.4	543.01
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curricula developed and implemented have strong relevance to the Local, National, Regional and Global developmental needs. The articulation of the same is given below:

Global Needs:

1. Environmental awareness:

1. One of the major needs of today, on a global level, is the awareness about environment and sustainability. In this context, the WCE curriculum has a course on Environmental Science which is mandatory to all students. Moreover, there are specific courses related to environmental issues and their engineering solutions, especially in the Civil Engineering curriculum.
2. Sustainability: The mini-projects, projects and related student activities, include the issues related to sustainability of the technology. Also, there are courses on non-conventional energy sources, such as solar, wind etc. for preserving the environment.

2. Technology Trends:

1. There is a large trend of Artificial Intelligence and Machine Learning in the field of Computer Science and Information Technology and its applications in the other domains of engineering. Accordingly, our curriculum includes courses and special tracks for such recent trends. There are also courses on semiconductor technology, computer architecture, parallel processing, distributed systems, web technology, python programming, which are in line with the global technological needs. There are also analytical courses which help the students to pursue higher education abroad.
2. Track based curriculum: The technology trends are appropriately taken into consideration, through track based curriculum. These tracks include elective courses specifically designed related to specializations in each discipline. Typically there are 3 to 4 tracks in each discipline and each track has typically 5 to 8 elective courses.

3. Foreign Language:

1. The curriculum has one foreign language course that is mandatory for all UG students. At present, we are having German Language being taught. However, it can be changed as per the demand and global need.

4. Presentation Skills:

1. Looking at the need for proper communication and presentation skills, There are specific courses on human communication, Presentation Skills and report writing etc. There are also provisions in the curriculum, such as mini-project presentations for students to practice the same.

Regional Needs:

1. Environmental awareness: The region (Asia) also needs the environmental awareness that is taken care of in the curriculum.
2. Sensitivity towards multiple ethnicity: In the larger context, the students need to work in teams, while honouring people of multiple ethnicity and regions. The curriculum includes a special course on "Human Relations at work" which is mandatory at TY BTech and it is a lab course for inculcating the skills to effectively work in a heterogeneous team.

National Needs:

1. Agro-Technology: Looking at India's agro related needs, the curriculum includes technology related courses, as per the specific domain. Also, the projects are preferably taken in the area of agro-technology. Looking at the technology trends useful for agro, the courses such as Internet of Things, Machine Learning, Data Analytics, Web Technology, Embedded Systems, Solar Power, Machine Design, AgroBot design, GIS analysis, Water treatments etc courses are included in the curriculum.
2. Transport Technology: Considering the huge demand of transport systems in India, the curriculum has courses on Electric vehicle technology, Automotive Electronics, Automobile Engineering and related courses.

3. **Software Technology:** India being looked at as a major source of trained manpower in the field of computer science and information Technology, every discipline has courses related to logic design and programming, use of modern tools, algorithmic development etc.

Local Needs:

1. **Solution to local societal issues:** The special local needs are related to the trained engineers to solve local and state level societal problems. For this, there are courses such as Techno-socio activity, Internships, Mini-projects, and a variety of domain-specific courses, which help to design subsystems and systems for providing engineering solutions to the local issues.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	http://112.133.242.241/moodle/pluginfile.php/116836/mod_resource/content/1/WCE_Academic_Book_20_21.pdf

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

25

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

10

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

9

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

16

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The curriculum includes a lab course on Human Relations at work which is useful for professional ethics, Gender and Human Values.

Also, a number of mini-projects allow the students to work in teams providing them opportunity to learn professional ethics, team-work and human values. Moreover, the plagiarism-free report writing helps the students to practice the engineering ethics.

"Value Education" and "Constitution of India" are mandatory noncredit courses in all PG programs.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

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

5

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

232

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

100

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni **A. All 4 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	http://www.walchandsangli.edugrievance.com/
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following **B. Feedback collected, analysed and action taken**

File Description	Documents
Provide URL for stakeholders' feedback report	http://112.133.242.241/moodle/mod/feedback/view.php?id=49652
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

589

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

278

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Title of the programme Number of attended Date and Duration

1 9 Weeks STTP on Introduction to programming with MATLAB by Wesleyan university offered through Coursera 1 07th July-20th September, 2020

2 8 Weeks STTP on Introduction to programming with MATLAB by Wesleyan university offered through Coursera 1 11th July-10th September, 2020

3 1 week FDP on Role of Materials and processing in additive manufacturing: 3D printing to industry 2020 1 19th July-16th July, 2020

4 1 Week FDP on "Electro-Mechanical Systems " 5 18th - 25th July, 2020

5 5 Weeks STTP on Introduction to Solar Cells offered through Coursera 1 26th August- 10th October 2020

6 6 Weeks STTP on Foundations of Artificial Intelligence (AI) offered through Coursera 1 28th August- 15th October 2020

7 1 Week STTP on Learn to Design your own Solar Home System offered through Coursera 1 23rd July-30th July 2020

8 5 Weeks STTP on Solar Energy Basics offered through Coursera 1 26rd July-15th September 2020

9 2 Weeks STTP on Latest trends in cutting tools and force measurement using math lab 1 25th August- 18th September 2020

10 6 days STTP on Recent trends in cutting tool technology and force measurement using MATLAB 2 24th August- 20th October 2020

11 5 days workshop on Digital Transformation and Pedagogies 2 10th August- 20th September 2020

12 5 daysFDP on Mechanics of Composite Materials and Structures 1 09th September- 20th October 2020

13 2 days workshop on Outcome Based Education: A special emphasis on attainment of higher order POs 1 24-25th September, 2020

14 3 days STTP on Industrial Noise and Vibration Control 3 26th-28th November, 2020

15 1-week STTP on

Recent trends in cutting tool technology and force measurement using MATLAB 1 24-29th August 2020 16 3 days workshop on Pedagogy Workshop on Teaching Thermodynamics 1 19th- 21st February 2021 17 1 week STTP on Electric Vehicle Evolution - Impact on Power Grid 1 22nd- 27th March 2021 18 3 days webinar on Implementation of National Education policy-2020 4 28th-30th April 2021 19 1 week webinar on Research Methodology 1 10th- 15th May 2021 20 4 days workshop on Disruptive Entrepreneurship-2021 2 27th -30th May, 2021 Presented research paper on 8th Aug 2020 in DSNCR 2020 1 08-08-2020

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
Nil	2340	111

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

Programme with Code Date of Introduction Course with Code Date of Introduction TY B.Tech 17-04-2021 Mini Project I 07-08-2021 Mini Project II 07-08-2021

The entire academic process of planning, delivery and transparent assessment is designed to be student centric. Based on the contents of the topic to be taught in a particular class, the curriculum delivery is a mix of different teaching methods viz. chalk and talk, interactive, group discussions, demonstrations, laboratory sessions, abstract concepts through animations, video lecturing etc. The participative learning activities implemented by the faculty include :

? By allotting first 5-7 minutes of the lecture to revise the

contents covered in the last lecture by asking some questions to check the understanding of the students and to develop a link for the topic of current lecture. Any doubts of the students are clarified through re-explanation or by dissecting the topic in bits interactively upto a level where student gets his doubt cleared. (Active Learning) ? By Quiz questions during lecture session based on pre knowledge or provoking students to think critically. (Active Learning) ? By calling group discussions on the assignment problems (Develops Team Work, Communication Skills, Think, Share and Pair attitude) ? By allotting group project and mini-projects to a group of 3-4 students under the supervision of a faculty. (Helps "Learning by Doing", develops Team work spirit, life long learning attitude and professional skills) ? By asking the students to carry out literature/field survey, submit a written report in standard format and then delivering an oral presentation on the same. Such seminars generally on the contemporary issues in relevant engineering disciplines (literature review) or real world problem (field survey). (Helps to develop life long learning attitude and communication skills) ? By asking the students to perform extensions (in extra hours or on holidays) of the main practicals carried out by them during regular time table hours and making arrangements for the availability of the department facility. (Helps to develop critical thinking and life long learning attitude.) ? Students are given information about the specific websites for accessing e_material, availability of learning material Moodle, and are also exposed to NPTEL, MIT OCW etc material to enable them to learn the topics at their own pace. Thus, all these participative learning activities contribute to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

All the departments are equipped with multimedia projectors and every classroom is equipped with LCD projector along with wired/wireless internet connection. This facility is used by all faculty for effective course delivery.

The thrust on computer aided teaching and learning has been there by all faculty members since a decade. Most of the faculty prepare

power point presentations of the lectures and make judicious use of Chalk-and-Board and ppts to explain and make students learn a particular topic. Good e_material of the respective topics is made available to the students either through Moodle. Question bank, assignments, tutorials are uploaded on Moodle. (The details of Moodle are given below.) Video lectures of eminent professors from IITs available through NPTEL are shown to students assisted by explanation and discussion by faculty. Moodle is a free, online Learning Management system enabling educators to create their own private website filled with dynamic courses that extend learning, anytime, anywhere.

The main features of Moodle are:

- Modern, easy to use interface with personalised dashboard
- Collaborative tools and activities
- Convenient file management
- Track progress
- Secure authentication and mass enrolment
- Bulk course creation and easy backup

Manage user roles and permissions

- High interoperability
- Regular security updates
- Detailed reporting and logs

Faculty access different resources like Moodle through intranet and the access of internet resources through Wi-Fi is also available. The facilities available with the institute for such initiatives are as follows

K point features: kPoint Central Server with Video Collaboration engine for Creating Video kapsules using MS office, Screen Share, Videos, Whiteboard and Presenter's video. Sharing these kapsules for live trainings / Webinar as you make them or store and use later. Bookmark, MCQ and Interactive capability. Search within kapsule or global search with key words for specific information. Browse and jump slides in forward or backward direction. Massive open online courses (MOOC) and Amazon Web Services (AWS)

Printers/scanners List of Software procured through TEQIP phase I to III

Sr. No.	Products	Qty.	1	Microsoft Office 2003 Professional	60	2
	Microsoft Visual Studio .net Professional	2003	60	3	Microsoft Windows	

2003 Std. Server 2 4 Microsoft Windows CAL for Server 100 5
 Microsoft SQL 2000 Std. Server 1 6 Microsoft SQL CAL 40 7 Redhat
 Software ver 4 8 Microsoft® VLAcdmc MOLP - Win SL 8.1 SNGL OLP NL
 Acdmc Legalization Get Genuine, Part No. - 4HR-00400 100 9
 Microsoft® VL Acdmc MOLP - Win Pro 8.1 SNGL Upgrd OLP NL Acdmc Part
 No.- FQC-08173 100 10 Microsoft® VLAcdmc MOLP - Office Pro Plus 2013
 SNGL OLP NL Acdmc Part No. - 79P-04730 50 11 Turnitin (Plagiarism)
 12 Microsoft Teams 13 MATLAB 14 Weshine Tech (Online Examination
 software) 1

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	http://112.133.242.241/moodle/
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

63

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	No File Uploaded

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

The academic activities of the institute are regulated by academic Calendar approved by AC and released at the beginning of each academic year. It is mandatory for students / faculty to strictly adhere to the academic calendar for completion of academic activities. Academic Calendar shall be available on institute website.

The proposed frame of academic calendar of WCE consists of two semesters of durations of 26 weeks each. The proposed total teaching-learning duration per semester is 17 Weeks. Total duration for

semester examination (MSE, ESE) is 3 Weeks, Remedial Coaching for 4 Weeks, and Re-examination duration of 2 weeks.

Proposed framework of Academic Calendar / Activities

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

111

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

41

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

1280

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

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

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

We deliver continuous efforts to facilitate students and teachers, in examinations, by providing state of art facilities for contributing to institute vision. Our mission is to implement and optimize our online examination system. Key features of our automated examination system, two-way verification of process of exams, State of art online examination with facilities like on-screen marking system, automated grade card generation, online grievance/verification process, etc.

At the beginning of every season of the exam the students go through a form filling process to appear for the examination of the courses of the season using their student login credentials of the automated examination system. These forms are approved by the HoD office considering which students are eligible for appearing for the examination by referring to the list of eligible students shared by the Dean Academics. HoD office also shares the list of course faculty/coordinators for the courses of that season.

There are two separate modules, one for marks uploading and other for the online examination system. Currently using the Online examination system, a total of four examinations are conducted for all theory courses. There are different login portals as per the role e.g. admin login, controller login, evaluator login etc. Through admin login the entire schedule for the exam is uploaded in the system post which question uploading is enabled to initially faculty via their account upload, verify and paper setting of their question banks for an exam via the login portal of the system. Only the course coordinator has the rights to upload and set the question bank and paper setting. Both Descriptive and objective questions support is available for setting of question banks. Using the same account the faculty can evaluate the answer sheets of the students. Using the controller login credentials the DCoE's can monitor the status of question bank uploading, marks uploading and evaluation status.

Using the marks uploading module faculty can upload all internal assessment marks of theory and laboratory courses. Once uploaded the marks are visible to students via their student login credentials. Once MSE and ESE marks are uploaded and are visible to students on their portal students get adoration of 4 Days to go through the grievance/verification process. Post this there is result endorsement and then the result is published to students via the portal. At the end of each semester students get an automatically generated grade card with updated CGPA and SGPA.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

As per the National Board of Accreditation guidelines, each course/program is designed around Course Outcomes (CO), Program Outcomes (PO), Programme Education Objectives (PEO's).. The students are evaluated as suggested by the Bloom's Taxonomy. Students are encouraged for self-learning and life-long learning by providing sufficient support. Students are motivated to publish their research. Students are taught the importance of principles of finance, Project Management and application of these for management of multidisciplinary projects. The students are also taught the importance of practicing the profession with ethical responsibility. Effective Communication is considered to be key in teaching learning methodology.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	http://www.walchandsangli.ac.in/AllDept.asp

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The quality of teaching, the effectiveness of teaching methods is generally judged from the student feedback reports as well as their performance in various examinations. The class coordinator reviews the average attainment of the course outcomes which indicates the quality of teaching. If this average attainment is low, the academic committee analyses the reasons critically. The internal audit team under the leadership of Dean QA submits such reports after inspection and asks the departments to submit the compliance or action plan on such cases.

Assessment of answer-books by faculty is carried out centrally at exam cell. Scrutiny for assessed answer-books is done at exam cell so as to avoid mistakes. Marks are entered question-wise for processing and also to compute attainment of course outcomes using in-house developed software

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

660

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<http://112.133.242.241/moodle/mod/feedback/view.php?id=49652>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The college has undertaken and initiated many activities to procure equipment and refurbishment works in various departments. Faculty are encouraged to submit research proposals to funding agencies and project specific equipment have been procured in various departments. Refurbishment works are carried out to provide required space and environment for the conduct of research activities. A separate provision in budget is made for such activities. Library is added with latest edition of reference books, manuals, periodicals, encyclopedias, e-books and handbooks. National and international

journals published by reputed organizations/publishers like ASCE, ASME, Springer, IEEE, Elsevier are subscribed. Laboratory and computer facilities are provided 24x7 for students and faculty. Research students have independent rooms and provided with a personal computer with internet connection with 800Mbps internet bandwidth. Wi-Fi facility is available in many parts of college campus. The researchers are provided with the facility of access to Delnet and libraries of other reputed institutes like IIT.

Information resource centre exists in the central library to cater the need of researchers. The centre provides facility for ONLINE PUBLIC ACCESS CATALOGUE (OPAC), E-LEARNING RESOURCES, SCIENCE DIRECT, SPRINGER LINK, ACCESS ENGINEERING LIBRARY, DEVELOPING LIBRARY NETWORK (DELNET), and OPEN SOURCES [huge resources including world digital libraries]. The research publications by the faculty and students are also available in the library. Any research paper/article is procured through DELNET facility. In addition to the central library departmental libraries also cater to the needs of researchers.

The various departments have good laboratory well-equipped facilities. There are few specialized and sponsored laboratories like John Deere Advanced Research Centre in embedded system (Electronics department), High performance computing (Information technology department). The college is nodal centre for virtual laboratory.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	http://www.walchandsangli.ac.in/rnd/WCE%20%20IPR%20Policy%20and%20Guidelines.pdf
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

4

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

4

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

149.30

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

5

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

22

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

3

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	http://www.walchandsangli.ac.in/teqip-III/Startup%20Projects%20Contract%20Agreement%20Updated.pdf
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Walchand College of Engineering, Sangli (hereafter referred as the Institute) is an educational and research institute. The Institute acknowledges the contribution of various stakeholders in the creation of Intellectual Property (IP) namely faculty, staff,

Postgraduate and graduate students and researchers. The Institute recognizes the importance of innovations and assists in translating them into product, process and services. The structure of this policy aims to meet such needs and to enable the Institute to excel in technology innovation along with its stakeholders. This policy is designed to identify and protect the IPs generated from the research.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.walchandsangli.ac.in/rnd/WCE%20%20IPR%20Policy%20and%20Guidelines.pdf

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

1

File Description	Documents
URL to the research page on HEI website	http://www.walchandsangli.ac.in/documents/MandatoryDis/Ph.%20D%20student%20data%20for%20UGC%20visit%20april%202021.pdf
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

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

20

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

38

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

3.4.5.1 - Total number of Citations in Scopus during the year

488

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	No File Uploaded

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

38

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

58.73866

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

188.04

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

- Contribution to the Society

In the Pandemic of Covid following products designed by WCE for Society :

- Worked on Embedded System Design of "Low cost Ventilator Design".
- Design of Control system hardware,
- PCB, fabrication, Embedded Software and on site testing of Misting Tunnel
- Design of automatic soap water dispenser hardware, fabrication, enclosure design and fabrication
- testing and completions of 25 prototypes for installation in our college.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	No File Uploaded
Any additional information	No File Uploaded

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

1

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

60

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

19

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

8

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

Sr. No

Document No.

Date of Registration

Plot No.

Address (Village) Dist.

Area in (acres- guntha)

1

7/12 Extract Record

123 A/1A/A (Wadar Well)

Walchand College of Engineering. Vishrambag, Sangli - 416 415

0-18

2

126 (B) (Rainbow)

0-19

3

167/2

4-35

4

171

2-28

5

172

3-17

6

173

6-20

7

174

19-05

8

175

10-20

9

176



14-25

10

177

26-26

11

178

0-35

Total area in acres- guntha

90-20

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

About Gymkhana:

Sports were a very distinctive feature of Walchand College its establishment.. The college is known not only for academic excellence in engineering but also known for excellent performance in sport. The function of the WCE Gymkhana department is to provide the necessary environment for all-round development of an individual and make them truly good citizens.

The WCE Gymkhana provides very good infrastructural facilities for indoor and outdoor sport and related extra-curricular activities. Spacious playgrounds surrounded by scenic greenery; jogging track and well-equipped gymnasiums are the attractions of the college. The Gymkhana provides facilities in outdoor games like Cricket, Volleyball, Basketball, Football, Kabbadi, Kho-Kho, Lawn tennis, Athletics (Running, Shot-put, Discus throw, Javelin throw etc.) at the cricket ground. Facilities in indoor games like Badminton, Table-Tennis, Carom and Chess are also made available to the students.

Besides, indoor and outdoor games WCE Gymkhana provides a separate facility of well-equipped fitness center for boys, girls as well as to the college staff. Gymkhana provides facility of 800 meter jogging track for students and college staff.

The WCE Gymkhana organizes various sport activities. Sport events like cricket, badminton, volleyball, basketball, table-tennis, athletics etc. are held at college level. Nearly 2000 students participate in the selection process of various sport, in order to select the best players to represent the College, at the Inter-Collegiate, District, State and National Level Tournaments. Participation in sport keeps the students physically fit and develops the sportsman spirit, which is very important to leave a happy life.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

37

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

543.01

File Description	Documents
Upload audited utilization statements	No File Uploaded
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

About the Ajit Gulabchand Central Library

1. The spacious A.G.C. library holds the total collection of over all 108068+ documents consisting of 56592 Books, 13064 Bound Volumes, 38412 Book Bank Books, Video Cassettes, and 3412 Compact Disk plus 578 DVD etc accumulated over last six decades+.
2. 128 Technical & Science Journals subscribed and 839 + 6000 nlist Online Journals through INDEST membership.
3. 846+ Book Bank Set to the students including SC/ST Scholarship holder student free Book Bank Scheme.
4. Central library is fully automated with SLIM21 automation software. Books are issued and collected back using Bar-coded system. And also provides web-based access to the online OPAC catalogue for search reading materials. SWAYAM, INFLIBNET and NLIST are available to access e-journals and digital books. Photo copying and printing services are provided to staff, students and outsiders.
5. E-library facility with software like <http://gist.ipublishcentral.com/> and <http://nlist.inflibnet.ac.in/> for e-reading is also provided for students.
6. All E-resources is available on Remote Access anytime, anywhere through <https://walchandsangli.knimbus.com/user#/remoteAccess>. All students, Research students and faculties which really need this platform in the covid-19 situation for their academics and research work.
7. Shri. Ajit Gulabchand The Chairman of the BOG has Donated AGC Library Building & Furniture: Rs.5 Cores + And Special Book Grant: 25 Lacks for purchase of world class technical reference books Library has added 1372 reference books between 2008-09 and 2010-11 costing Rs 25 lacks

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://walchandsangli.knimbus.com/#/elibrarySetup/statistics

4.2.2 - Institution has access to the following: e- A. Any 4 or more of the above journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	No File Uploaded

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

16.15

File Description	Documents
Audited statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

729

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Technology Upgradation (overall)

Total Computers

Computer Labs

Internet

Browsing Centres

Computer Centres

Office

Departments

Available band width (MGBPS)

Others

Existing

1450

17

YES

Entire Campus

1

18

6

800Mbps

100 Mbps NKN

Added

Nil

Nil

Nil

Nil

Nil

Nil

Nil

Nil

Nil

Total

1450

17

YES

Entire Campus

1

18

6

800Mbps

100 Mbps NKN



File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2340	1450

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 250 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

B. Any three of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

543.01

File Description	Documents
Audited statements of accounts	No File Uploaded
Upload any additional information	No File Uploaded

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

Maintenance management is an orderly and systematic approach to planning, organizing, monitoring and evaluating maintenance activities and their costs. A good maintenance management system coupled with knowledgeable and capable maintenance staff can prevent health and safety problems and environmental damage; yield longer asset life with fewer breakdowns; and result in lower operating costs and a higher quality of life. This document provides general information and guidance on establishing maintenance management Systems for use in the Institute (WCE). It describes a system framework from initial step of inventory gathering to preparing a maintenance budget for asset maintenance planning and monitoring. Depending on the application and design, Maintenance Management Systems may have various formats and procedures,

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1494

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

36

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	No File Uploaded

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	Nil
Details of capability development and schemes	View File
Any additional information	No File Uploaded

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

264

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	View File

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

375

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

6

File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

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

53

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

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

11

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

WCE Student Council is a representative structure for students, through which student can be part of the development of the institution, working in synchronization with college authorities, faculties and parents for the zenith of the institution, mainly the students. Student council is formed consisting of secretaries of

various clubs of college which belongs mainly to the six departments and few institute level clubs such as Roctract, Art-circle etc. Chairman student welfare is in- charge of this council. General Secretary, one who leads student council is decided on rotation from technical club secretaries every year by student welfare office. The student council plays a vital role to nurture all-round development of students through various activities abiding to vision of institute. Some of the major governance roles and responsibilities such as planning the student club activities and scheduling them properly, rolling out events with wholehearted contributions of student club members so that learning of situational management and organizational skills be fostered among them, creating awareness of student related notifications through clubs community, encouraging students to participate in various activities to fulfill their aspirations, mentoring students to participate for competitions, scholarships and awards which will motivate them in their engineering journey. Various activities are organized every year such as Hackathon, technology based mega competitions, research symposiums, seminars, conferences, workshops and club services which are weekly for every club. The council members and all the other students deliberately involve themselves in their department activity newsletter preparation and in the editorial committee. The student clubs also voluntarily participate in the rollout of Institute level organizations such as Vision, social gathering, graduation day, alumni meet etc. under the supervision of the faculty staff advisers.

WCE has thirteen clubs in which students willingly join and acquires leadership, organizational, team work skills from the events and become industry-savvy. They also involve in social activities such as visiting villages, unprivileged schools, creating awareness on various social & technical issues. The student representatives also actively participate in the Sports activities and bring glory to institute in various indoor and outdoor sports.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

2

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Yes, the college has a registered Alumni association. The Alumni association contributes actively to the welfare of the institution. The alumni meeting is organized once / twice a year by all the departments. Illustrious and prominent alumni are invited to deliver special lectures, motivating the students to go for higher education and to find the means for job opportunities. All the departments have the alumni as members of their BOS. Their valid suggestions are taken into consideration in designing and updating the curriculum. Recently Er. Abhijit Pawar (Sakal Group) donated Rs. 1 crore for infrastructure, staff and research development activities at the institute.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	http://www.walchandsangli.ac.in/alumni/alumni_connect.asp

5.4.2 - Alumni's financial contribution during the year C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

Vision: To produce capable graduate engineers with an aptitude for research and leadership
Mission:

- To impart quality education through demanding academic programmes.
- To enhance career opportunities for students through exposure to industry.
- To promote excellence by encouraging creativity, critical thinking and discipline.
- To inculcate sensitivity toward society and a respect for the environment.

Quality Policy: To strive for excellence in academic and research programmes in order to achieve proficiency in students by adopting continually improving standards to the learning process. The management, Director all the authorities and faculty works in synchronization with each other in order to for successfully implement its quality policy. The leadership of the institute provides the clear road-map towards achieving the vision and mission of the institute for excellence in technical, academic and administrative processes. Electronics Engineering Vision and Mission are in line with Institutes Vision and Mission statements.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

VISION WCE is committed to becoming a finest seat of learning.

MISSION WCE is committed to provide quality technical education, research and development services to a learner so as to meet the needs of industry, business, service sector and the society, at large. Also, to absorb fundamental values this will make learner a person of culture.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	http://www.walchandsangli.ac.in/igac.asp

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Admission of Students:- Walchand College of Engineering, Sangli is Government aided - Autonomous Institute. All intake seats for the admission are approved by AICTE and filled by Government of Maharashtra. Admission process is centralized and it takes place on Inter se merit of applied and eligible candidate. All types of rules and regulations are followed for all seats filled by CAP in all rounds. The norms set by the Government of Maharashtra for the admission in the first year, the candidates eligible with Maths, Physics, Chemistry or vocational subjects with 45% marks and entrance test conducted by Government of Maharashtra having non zero score. Students who shine in their twelfth standard examinations and who aspire for an engineering study are most welcome to our institution for furthering their career prospects. To this effect, our institution had the benefit of getting very bright students admitted into our college for more than Seventy years. Supernumerary seats like PMSSS, J & K, NEUT, CIWGC, EWS, FN, TFWS etc. filled as per the norms of Central and state government. State government sanctioned 7 seats for Trusts in our Institute. We have 5 seats from Walchand Hirachand Memorial Trust and 2 seats from D. D. Daruwala Memorial Scholarship trust.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://www.walchandsangli.ac.in/igac.asp
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

The functioning of the various institutional bodies is at place as per UGC, AICTE, DTE (GoM) guidelines and available to all stake holders. The recruitments of faculty, staff, supporting manpower is done as per the UGC, state govt norms, rules and regulations. All service rules and regulations laid by UGC, AICTE and state government are implemented in all aspects.

File Description	Documents
Paste link to Organogram on the institution webpage	http://www.walchandsangli.ac.in/AboutUs/OrganisationChart.asp
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The college has "Staff Welfare Fund (SWF)". Apart from support available from TEQIP to attend to national/ international conferences, through the SWF, faculty members have been provided with 50% of travelling expenses or Rs. 50,000/- whichever is less. For any emergency or for any event of domestic importance, advance amount to the extent of Rs. 40,000/- is being provided to the needy staff member. The college, through the state Government's scheme, provides medical expenses reimbursement for employee and his / her close relatives. As an average, 30% of employees avail the advance /

reimbursement facility.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

42

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

12

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

122

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Audit Type External Internal Yes/No Agency Yes/No Agency Academic Yes University Affiliation Committee NBA expert committee Yes HOD Administrative Yes External Auditor, TEQIP Auditor, University Affiliation Committee NBA expert committee Yes Director and Registrar

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

482.3

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

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

Mobilisation of Funds:

College has separate Finance Committee, as per the UGC guide lines. The committee meets every quarterly. Budget approval, expenditure monitoring, major equipment purchases, balance sheet analysis, college level issues of financial nature, recommendation for

appointment of internal and external financial auditors, in-time compliances for financial audit points etc are well handled by the committee. The committee provides specific guidelines to the Director for effective implementations. At the director's level, a separate central purchase committee has been constituted which meets weekly. Various proposals of purchases are submitted for approval to the Director. The purchase committee prepares analytical comments on comparative statements prepared by the proposer. These recommendations are then approved, with changes if required by the Director.

Local financial auditor prepares periodic audit reports for submission to the Director and the Finance Committee.

Resource mobilization :

College has been well recognized for various testing consultancy assignments. Mechanical Department, Civil Department, Applied Mechanical Department, Electrical Department are active in internal resource generation.

Electronics Department, CSE Department and IT Department are active in internal resource generation through organizing On-Line examinations for various external agencies. Each of the above departments take active part in organizing continuing education programmes for industry workers. This adds to resource mobilization

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The Internal Quality Assurance Cell (IQAC) is the cell that is formulated for monitoring the quality parameters in WCE Sangli. The committee was formulated based on the recommendations given by National Assessment Accreditation Committee (NAAC). . The work of the IQAC is the first step towards internalization and

institutionalization of quality enhancement initiatives. Its success depends upon the sense of belongingness and participation in all the constituents of the institution. It will not be yet another hierarchical structure or a record-keeping exercise in the institution. It will be a facilitative and participative voluntary system/unit/organ of the institution. It has the potential to become a vehicle for ushering in quality enhancement by working out planned interventionist strategies by IQAC to remove deficiencies and enhance quality like the "Quality Circles" in industries.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.walchandsangli.ac.in/iqac.asp

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

An academic audit of departments is conducted. Internal academic audits are conducted twice in a year at the end of each semester. The internal audit is conducted by an audit committee appointed by Director. Typically internal academic auditors are faculty chosen from various departments of the college. The schedule of audit is declared in advance. The faculties are provided with parameters of academic assessment. The assessment parameters include mapping of course outcomes with programme outcomes, course delivery, insemester evaluation planned and executed, Performance of Engaging lectures, Performance of Attendance of students, Counseling, quality of question papers, attainment of course outcomes, and result analysis. The auditors are also provided with evaluation format and it is submitted to DeanQA after assessment for further processing. Dean QA compiles all the evaluations by the auditors and prepares a consolidated audit report which is sent to all departments. Heads of department take cognizance of the report and necessary corrective measures to address the non-conformities. This is supported by external academic audit. The committee for external academic audit is composed of academic experts from various autonomous

An academic audit of departments is conducted. Internal academic audits are conducted twice in a year at the end of each semester. The internal audit is conducted by an audit committee appointed by Director. Typically internal academic auditors are faculty chosen from various departments of the college. The schedule of audit is declared in advance. The faculties are provided with parameters of academic assessment. The assessment parameters include mapping of course

outcomes with programme outcomes, course delivery, insemester evaluation planned and executed, Performance of Engaging lectures, Performance of Attendance of students, Counseling, quality of question papers, attainment of course outcomes, and result analysis. The auditors are also provided with evaluation format and it is submitted to Dean RDQA after assessment for further processing. Dean RDQA compiles all the evaluations by the auditors and prepares a consolidated audit report which is sent to all departments. Heads of department take cognizance of the report and necessary corrective measures to address the non-conformities. This is supported by external academic audit. The committee for external academic audit is composed of academic experts from various autonomous colleges. The external academic audit is done usually once in two / three years.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.walchandsangli.ac.in/igac.asp

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	http://www.walchandsangli.ac.in/teqip-III/Annual%20Report%202019-20.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The college, at its local level, has a rich tradition of providing equal opportunities to both the genders. The state government norms are followed in recruitments.

Anti-sexual harassment committee with a senior lady faculty member as chairperson has been formed by the college. Annually few programmes are organized by the committee for gender sensitization.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment C. Any 2 of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

1. The rich vegetation within the campus facilitates a lower temperature (3-4°C) in the campus as compared to the external campus temperature.

2. The campus is well protected and is a home to various domesticated animals viz. Peacocks, rabbits, birds of various species and reptiles thus exhibiting Balance in the ecosystem.

3. Use of Plastic is strictly banned in the campus. All the faculty members have been provided with steel bottles for water storage and the messes and canteen have been instructed to use non-plastic

utensils.

4. The college campus has protected five perennial wells, supplying water for secondary uses 24/7 throughout the campus.

5. Solar Lighting on the streets within the campus is implemented.

6. The college caters to accommodate approximately 1000 students distributed over

8 hostels, a temple and about 30 families of the faculty/staff staying in staff quarters which are exclusively maintained by the college.

7. Buildings are provided with Rain Water Harvesting facilities protecting the water table on the campus. A well-maintained jogging track is constructed around the playground which is not only extensively used by the internal stake holders but as well is kept open for the local public in the mornings.

8. Smart Pole Concept has been initiated. 9. Waste water generated in hostels as well as in mess are recycled and reuse for horticulture Garden (Banana Garden).

Hazardous Waste Management: Paper waste is regularly sold to outside agency. The answer sheets are shredded and sold to licensed purchaser. College does not produce much of hazardous waste. If any such waste is found, it is destroyed under strict human supervision. There are no hazardous waste generated in college except in laboratories like Chemistry and Environmental Engineering. Adequate exhaust provisions are made in these laboratories to drive out acid fumes. **e-waste Management:** Electronic and computer accessories which are declared "Obsolete" are sold through auction to a licensed vendor on periodical basis. College also has a scheme by which new equipment are purchased under old buy back scheme.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	No File Uploaded
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus C. Any 2 of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: B. Any 3 of the above

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

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

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

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

C. Any 2 of the above

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

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

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	View File

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

The college encourages the faculty and students to initiate, participate and implement the programmes which contribute to societal awareness for various issues. There different student clubs/associations (PACE, SOFTA, CESA, MESA, EESA etc) in the college monitored by faculty coordinator. The activities of these include: organization of awareness programmes (for environment, water conservation, computer education etc), blood donation camps, educating rural populace, building check dams, competitions of school children for the development of soft/drawing/analytical skills, tree plantation etc. NSS is also active in organizing activities which address societal problems. B.Tech. projects and M.Tech.dissertations in few cases were based on addressing the regional problem like flood and global problem Covid..

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

One of the mission statement deals with inculcating values and ethics in the students. The college believes that if the environment in which student spends most of his time is spiritual with dedicated people around, then the impression which is going to last on their mind is the reflection of that ambience. Ganesh Temple in the

campus, a grand statue of Devi Saraswati in front of (second to none) library, the cultured and ethical behavior of all faculty members, office and non-teaching staff and the traditionally simple culture of the town indirectly imparts values and virtues in the students.

Mandatory Noncredit courses "Value Education " and "Constitution of INdia" is included in curriculum of all PG programs

Contributing to national development: In line with the vision statement of the college:-

1. The college runs demand driven curriculum to produce graduates to accept National challenges.
2. Research activities of AICTE, DST, BARC etc., are carried out in the thrust areas of national interest.
3. College runs Quality Improvement programme of AICTE for Ph D research work.
4. Conduct of workshops for training National Board of Accreditation (NBA) Trainers /evaluators.
5. Consultancy and testing in various departments serve the purpose of providing Department expertise for national development.
6. Participation and organization of national level activities such as conferences, Seminars, workshops as deemed appropriate of national thrust are organized.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	No File Uploaded
Any other relevant information	No File Uploaded

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

B. Any 3 of the above

staff Annual awareness programmes on the Code of Conduct are organized

File Description	Documents
Code of Ethics - policy document	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

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

As per the list from Govt of Maharashtra the days are celebrated, detail list is attached herewith..

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

1. Practicing Outcome Based Education

2. Use of Multimedia in classrooms/laboratories

3. Implementation of ICT, E-learning resources for students' self-learning

4. On-line assignments, examinations and assessment, Access to IITB virtual lab

5. Transparency in evaluation system and Relative grading system

6. Online student feedback system

7. Use of multimedia and ICT in teaching (viz. interactive boards, LCDs, Internet), NPTEL, IUCEE webinars in teaching/ learning

8. Use of Moodle for uploading all academic related data by each faculty through e-course book.

9. e- learning motivation for Open Electives, Professional Electives on MOOC for students 24x7 Lab availability

10. The open source software usage and contribution is primary focus. 11. Bottom up approach for budget preparation. Requisition and approval process in place for all purchases.

File Description	Documents
Best practices in the Institutional website	http://www.walchandsangli.ac.in
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

- Legacy of 75 years.
- 3 Times Accredited.
- Leading Institute in Maharashtra.
- Qualified Faculty.
- The institute has 84.9 % Placement of students in various reputed companies such as Google, Amazon, Rakuten, Veritas, Dell, Mahindra, Philips, LT, Dassault Systems, TCS, Eaton etc, with highest salary of 43 LPA and average salary of 6.7 LPA. The highest placement is in BTech CSE (98.05), followed by IT (95.5), Electronics(91), Electrical(84), Mechanical (80.65) and Civil(54).

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curricula developed and implemented have strong relevance to the Local, National, Regional and Global developmental needs. The articulation of the same is given below:

Global Needs:

1. Environmental awareness:

1. One of the major needs of today, on a global level, is the awareness about environment and sustainability. In this context, the WCE curriculum has a course on Environmental Science which is mandatory to all students. Moreover, there are specific courses related to environmental issues and their engineering solutions, especially in the Civil Engineering curriculum.
2. Sustainability: The mini-projects, projects and related student activities, include the issues related to sustainability of the technology. Also, there are courses on non-conventional energy sources, such as solar, wind etc. for preserving the environment.

2. Technology Trends:

1. There is a large trend of Artificial Intelligence and Machine Learning in the field of Computer Science and Information Technology and its applications in the other domains of engineering. Accordingly, our curriculum includes courses and special tracks for such recent trends. There are also courses on semiconductor technology, computer architecture, parallel processing, distributed systems, web technology, python programming, which are in line with the global technological needs. There are also

analytical courses which help the students to pursue higher education abroad.

2. Track based curriculum: The technology trends are appropriately taken into consideration, through track based curriculum. These tracks include elective courses specifically designed related to specializations in each discipline. Typically there are 3 to 4 tracks in each discipline and each track has typically 5 to 8 elective courses.

3. Foreign Language:

1. The curriculum has one foreign language course that is mandatory for all UG students. At present, we are having German Language being taught. However, it can be changed as per the demand and global need.

4. Presentation Skills:

1. Looking at the need for proper communication and presentation skills, There are specific courses on human communication, Presentation Skills and report writing etc. There are also provisions in the curriculum, such as mini-project presentations for students to practice the same.

Regional Needs:

1. Environmental awareness: The region (Asia) also needs the environmental awareness that is taken care of in the curriculum.
2. Sensitivity towards multiple ethnicity: In the larger context, the students need to work in teams, while honouring people of multiple ethnicity and regions. The curriculum includes a special course on "Human Relations at work" which is mandatory at TY BTech and it is a lab course for inculcating the skills to effectively work in a heterogeneous team.

National Needs:

1. Agro-Technology: Looking at India's agro related needs, the

curriculum includes technology related courses, as per the specific domain. Also, the projects are preferably taken in the area of agro-technology. Looking at the technology trends useful for agro, the courses such as Internet of Things, Machine Learning, Data Analytics, Web Technology, Embedded Systems, Solar Power, Machine Design, AgroBot design, GIS analysis, Water treatments etc courses are included in the curriculum.

2. **Transport Technology:** Considering the huge demand of transport systems in India, the curriculum has courses on Electric vehicle technology, Automotive Electronics, Automobile Engineering and related courses.
3. **Software Technology:** India being looked at as a major source of trained manpower in the field of computer science and information Technology, every discipline has courses related to logic design and programming, use of modern tools, algorithmic development etc.

Local Needs:

1. **Solution to local societal issues:** The special local needs are related to the trained engineers to solve local and state level societal problems. For this, there are courses such as Techno-socio activity, Internships, Mini-projects, and a variety of domain-specific courses, which help to design subsystems and systems for providing engineering solutions to the local issues.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	http://112.133.242.241/moodle/pluginfile.php/116836/mod_resource/content/1/WCE_Academic_Book_20_21.pdf

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

25

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

10

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

9

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

16

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The curriculum includes a lab course on Human Relations at work which is useful for professional ethics, Gender and Human Values. Also, a number of mini-projects allow the students to work in teams providing them opportunity to learn professional ethics, team-work and human values. Moreover, the plagiarism-free report writing helps the students to practice the engineering ethics.

"Value Education" and "Constitution of India" are mandatory noncredit courses in all PG programs.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

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

5

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above	
232	
File Description	Documents
List of students enrolled	View File
Any additional information	View File
1.3.4 - Number of students undertaking field work/projects/ internships / student projects	
100	
File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded
1.4 - Feedback System	
1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	A. All 4 of the above
File Description	Documents
Provide the URL for stakeholders' feedback report	http://www.walchandsangli.edugrievance.com/
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded
1.4.2 - The feedback system of the Institution comprises the following	B. Feedback collected, analysed and action taken

File Description	Documents
Provide URL for stakeholders' feedback report	http://112.133.242.241/moodle/mod/feedback/view.php?id=49652
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

589

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

278

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Title of the programme Number of attended Date and Duration
 1 9 Weeks STTP on Introduction to programming with MATLAB by Wesleyan university offered through Coursera 1 07th July-20th September, 2020
 2 8 Weeks STTP on Introduction to programming with MATLAB by Wesleyan university offered through Coursera 1 11th July-10th September, 2020
 3 1 week FDP on Role of Materials and processing in additive manufacturing: 3D printing to industry 2020
 1 19th July- 16th July, 2020
 4 1 Week FDP on "Electro-Mechanical Systems " 5 18th - 25th July, 2020
 5 5 Weeks STTP on Introduction to

Solar Cells offered through Coursera 1 26th August- 10th October 2020 6 6 Weeks STTP on Foundations of Artificial Intelligence (AI) offered through Coursera 1 28th August- 15th October 2020 7 1 Week STTP on Learn to Design your own Solar Home System offered through Coursera 1 23rd July-30th July 2020 8 5 Weeks STTP on Solar Energy Basics offered through Coursera 1 26rd July-15th September 2020 9 2 Weeks STTP on Latest trends in cutting tools and force measurement using math lab 1 25th August- 18th September 2020 10 6 days STTP on Recent trends in cutting tool technology and force measurement using MATLAB 2 24th August- 20th October 2020 11 5 days workshop on Digital Transformation and Pedagogies 2 10th August- 20th September 2020 12 5 days FDP on Mechanics of Composite Materials and Structures 1 09th September- 20th October 2020 13 2 days workshop on Outcome Based Education: A special emphasis on attainment of higher order POs 1 24-25th September, 2020 14 3 days STTP on Industrial Noise and Vibration Control 3 26th-28th November, 2020 15 1-week STTP on Recent trends in cutting tool technology and force measurement using MATLAB 1 24-29th August 2020 16 3 days workshop on Pedagogy Workshop on Teaching Thermodynamics 1 19th- 21st February 2021 17 1 week STTP on Electric Vehicle Evolution - Impact on Power Grid 1 22nd- 27th March 2021 18 3 days webinar on Implementation of National Education policy-2020 4 28th-30th April 2021 19 1 week webinar on Research Methodology 1 10th- 15th May 2021 20 4 days workshop on Disruptive Entrepreneurship-2021 2 27th -30th May, 2021 Presented research paper on 8th Aug 2020 in DSNCR 2020 1 08-08-2020

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
Nil	2340	111

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

Programme with Code Date of Introduction Course with Code Date of Introduction TY B.Tech 17-04-2021 Mini Project I 07-08-2021 Mini Project II 07-08-2021

The entire academic process of planning, delivery and transparent assessment is designed to be student centric. Based on the contents of the topic to be taught in a particular class, the curriculum delivery is a mix of different teaching methods viz. chalk and talk, interactive, group discussions, demonstrations, laboratory sessions, abstract concepts through animations, video lecturing etc. The participative learning activities implemented by the faculty include :

? By allotting first 5-7 minutes of the lecture to revise the contents covered in the last lecture by asking some questions to check the understanding of the students and to develop a link for the topic of current lecture. Any doubts of the students are clarified through re-explanation or by dissecting the topic in bits interactively upto a level where student gets his doubt cleared. (Active Learning) ? By Quiz questions during lecture session based on pre knowledge or provoking students to think critically. (Active Learning) ? By calling group discussions on the assignment problems (Develops Team Work, Communication Skills, Think, Share and Pair attitude) ? By allotting group project and mini-projects to a group of 3-4 students under the supervision of a faculty. (Helps "Learning by Doing", develops Team work spirit, life long learning attitude and professional skills) ? By asking the students to carry out literature/field survey, submit a written report in standard format and then delivering an oral presentation on the same. Such seminars generally on the contemporary issues in relevant engineering disciplines (literature review) or real world problem (field survey). (Helps to develop life long learning attitude and communication skills) ? By asking the students to perform extensions (in extra hours or on holidays) of the main practicals carried out by them during regular time table hours and making arrangements for the availability of the department facility. (Helps to develop critical thinking and life long learning attitude.) ? Students are given information about the specific websites for accessing e_material, availability of learning material Moodle, and are also exposed to NPTEL, MIT OCW etc

material to enable them to learn the topics at their own pace. Thus, all these participative learning activities contribute to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

All the departments are equipped with multimedia projectors and every classroom is equipped with LCD projector along with wired/wireless internet connection. This facility is used by all faculty for effective course delivery.

The thrust on computer aided teaching and learning has been there by all faculty members since a decade. Most of the faculty prepare power point presentations of the lectures and make judicious use of Chalk-and-Board and ppts to explain and make students learn a particular topic. Good e_material of the respective topics is made available to the students either through Moodle. Question bank, assignments, tutorials are uploaded on Moodle. (The details of Moodle are given below.) Video lectures of eminent professors from IITs available through NPTEL are shown to students assisted by explanation and discussion by faculty. Moodle is a free, online Learning Management system enabling educators to create their own private website filled with dynamic courses that extend learning, anytime, anywhere.

The main features of Moodle are:

- Modern, easy to use interface with personalised dashboard
- Collaborative tools and activities
- Convenient file management
- Track progress
- Secure authentication and mass enrolment
- Bulk course creation and easy backup

Manage user roles and permissions

- High interoperability
- Regular security updates
- Detailed reporting and logs

Faculty access different resources like Moodle through intranet and the access of internet resources through Wi-Fi is also available. The facilities available with the institute for such initiatives are as follows

K point features: kPoint Central Server with Video Collaboration engine for Creating Video capsules using MS office, Screen Share, Videos, Whiteboard and Presenter's video. Sharing these capsules for live trainings / Webinar as you make them or store and use later. Bookmark, MCQ and Interactive capability. Search within capsule or global search with key words for specific information. Browse and jump slides in forward or backward direction. Massive open online courses (MOOC) and Amazon Web Services (AWS)

Printers/scanners List of Software procured through TEQIP phase I to III

Sr. No.	Products	Qty.
1	Microsoft Office 2003 Professional	60
2	Microsoft Visual Studio .net Professional 2003	60
3	Microsoft Windows 2003 Std. Server	2
4	Microsoft Windows CAL for Server	100
5	Microsoft SQL 2000 Std. Server	1
6	Microsoft SQL CAL	40
7	Redhat Software ver 4	8
8	Microsoft® VLAcadm MQLP - Win SL 8.1 SNGL OLP NL Acadm Legalization Get Genuine, Part No. - 4HR-00400	100
9	Microsoft® VL Acadm MQLP - Win Pro 8.1 SNGL Upgrd OLP NL Acadm Part No.- FQC-08173	100
10	Microsoft® VLAcadm MQLP - Office Pro Plus 2013 SNGL OLP NL Acadm Part No. - 79P-04730	50
11	Turnitin (Plagiarism)	1
12	Microsoft Teams	1
13	MATLAB	1
14	Weshine Tech (Online Examination software)	1

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	http://112.133.242.241/moodle/
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

63

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	No File Uploaded

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

The academic activities of the institute are regulated by academic Calendar approved by AC and released at the beginning of each academic year. It is mandatory for students / faculty to strictly adhere to the academic calendar for completion of academic activities. Academic Calendar shall be available on institute website.

The proposed frame of academic calendar of WCE consists of two semesters of durations of 26 weeks each. The proposed total teaching-learning duration per semester is 17 Weeks. Total duration for semester examination (MSE, ESE) is 3 Weeks, Remedial Coaching for 4 Weeks, and Re-examination duration of 2 weeks.

Proposed framework of Academic Calendar / Activities

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality**2.4.1 - Number of full-time teachers against sanctioned posts during the year**

111

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

41

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

1280

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

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

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

We deliver continuous efforts to facilitate students and teachers, in examinations, by providing state of art facilities for contributing to institute vision. Our mission is to implement and optimize our online examination system. Key features of our automated examination system, two-way verification of process of exams, State of art online examination with facilities like on-screen marking system, automated grade card generation, online grievance/verification process, etc.

At the beginning of every season of the exam the students go through a form filling process to appear for the examination of the courses of the season using their student login credentials of the automated examination system. These forms are approved by the HoD office considering which students are eligible for appearing for the examination by referring to the list of eligible students shared by the Dean Academics. HoD office also shares the list of course faculty/coordinators for the courses of that season.

There are two separate modules, one for marks uploading and other for the online examination system. Currently using the Online examination system, a total of four examinations are conducted for all theory courses. There are different login portals as per the role e.g. admin login, controller login, evaluator login etc. Through admin login the entire schedule for the exam is uploaded in the system post which question uploading is enabled to initially faculty via their account upload, verify and paper setting of their question banks for an exam via the login portal of the system. Only the course coordinator has the rights to upload and set the question bank and paper setting. Both Descriptive and objective questions support is available for setting of question banks. Using the same account the faculty can evaluate the answer sheets of the students. Using the controller login credentials the DCoE's can monitor the status of question bank uploading, marks uploading and evaluation status.

Using the marks uploading module faculty can upload all internal assessment marks of theory and laboratory courses. Once uploaded the marks are visible to students via their student login credentials. Once MSE and ESE marks are uploaded and are visible to students on their portal students get adoration of 4 Days to go through the grievance/verification process. Post this there is result endorsement and then the result is published to students via the portal. At the end of each semester students get an automatically generated grade card with updated CGPA and SGPA.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

As per the National Board of Accreditation guidelines, each course/program is designed around Course Outcomes (CO), Program Outcomes (PO), Programme Education Objectives (PEO's).. The students are evaluated as suggested by the Bloom's Taxonomy. Students are encouraged for self-learning and life-long learning by providing sufficient support. Students are motivated to publish their research. Students are taught the importance of

principles of finance, Project Management and application of these for management of multidisciplinary projects. The students are also taught the importance of practicing the profession with ethical responsibility. Effective Communication is considered to be key in teaching learning methodology.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	http://www.walchandsangli.ac.in/AllDept.asp

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The quality of teaching, the effectiveness of teaching methods is generally judged from the student feedback reports as well as their performance in various examinations. The class coordinator reviews the average attainment of the course outcomes which indicates the quality of teaching. If this average attainment is low, the academic committee analyses the reasons critically. The internal audit team under the leadership of Dean QA submits such reports after inspection and asks the departments to submit the compliance or action plan on such cases.

Assessment of answer-books by faculty is carried out centrally at exam cell. Scrutiny for assessed answer-books is done at exam cell so as to avoid mistakes. Marks are entered question-wise for processing and also to compute attainment of course outcomes using in-house developed software

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

660	
File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil
2.7 - Student Satisfaction Survey	
2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink	
http://112.133.242.241/moodle/mod/feedback/view.php?id=49652	
RESEARCH, INNOVATIONS AND EXTENSION	
3.1 - Promotion of Research and Facilities	
3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented	
<p>The college has undertaken and initiated many activities to procure equipment and refurbishment works in various departments. Faculty are encouraged to submit research proposals to funding agencies and project specific equipment have been procured in various departments. Refurbishment works are carried out to provide required space and environment for the conduct of research activities. A separate provision in budget is made for such activities. Library is added with latest edition of reference books, manuals, periodicals, encyclopedias, e-books and handbooks. National and international journals published by reputed organizations/publishers like ASCE, ASME, Springer, IEEE, Elsevier are subscribed. Laboratory and computer facilities are provided 24x7 for students and faculty. Research students have independent rooms and provided with a personal computer with internet connection with 800Mbps internet bandwidth. Wi-Fi facility is available in many parts of college campus. The researchers are provided with the facility of access to Delnet and libraries of other reputed institutes like IIT.</p> <p>Information resource centre exists in the central library to cater the need of researchers. The centre provides facility for</p>	

ONLINE PUBLIC ACCESS CATALOGUE (OPAC), E-LEARNING RESOURCES, SCIENCE DIRECT, SPRINGER LINK, ACCESS ENGINEERING LIBRARY, DEVELOPING LIBRARY NETWORK (DELNET), and OPEN SOURCES [huge resources including world digital libraries]. The research publications by the faculty and students are also available in the library. Any research paper/article is procured through DELNET facility. In addition to the central library departmental libraries also cater to the needs of researchers.

The various departments have good laboratory well-equipped facilities. There are few specialized and sponsored laboratories like John Deere Advanced Research Centre in embedded system (Electronics department), High performance computing (Information technology department). The college is nodal centre for virtual laboratory.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	http://www.walchandsangli.ac.in/rnd/WCE%20%20IPR%20Policy%20and%20Guidelines.pdf
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

4

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

4

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

149.30

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

5

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

22

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

3

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	http://www.walchandsangli.ac.in/teqip-III/Startup%20Projects%20Contract%20Agreement%20Updated.pdf
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Walchand College of Engineering, Sangli (hereafter referred as the Institute) is an educational and research institute. The Institute acknowledges the contribution of various stakeholders in the creation of Intellectual Property (IP) namely faculty,

staff, Postgraduate and graduate students and researchers. The Institute recognizes the importance of innovations and assists in translating them into product, process and services. The structure of this policy aims to meet such needs and to enable the Institute to excel in technology innovation along with its stakeholders. This policy is designed to identify and protect the IPs generated from the research.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.walchandsangli.ac.in/rnd/WCE%20%20IPR%20Policy%20and%20Guidelines.pdf

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year**3.4.2.1 - Number of PhD students registered during the year**

1

File Description	Documents
URL to the research page on HEI website	http://www.walchandsangli.ac.in/documents/MandatoryDis/Ph.%20D%20student%20data%20for%20UGC%20visit%20april%202021.pdf
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

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

20

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

38

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed**3.4.5.1 - Total number of Citations in Scopus during the year**

488	
File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	No File Uploaded
3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University	
3.4.6.1 - h-index of Scopus during the year	
38	
File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File
3.5 - Consultancy	
3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)	
58.73866	
File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	No File Uploaded
3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year	
188.04	

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

- **Contribution to the Society**

In the Pandemic of Covid following products designed by WCE for Society :

- Worked on Embedded System Design of "Low cost Ventilator Design".
- Design of Control system hardware,
- PCB, fabrication, Embedded Software and on site testing of Misting Tunnel
- Design of automatic soap water dispenser hardware, fabrication, enclosure design and fabrication
- testing and completions of 25 prototypes for installation in our college.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

86	
File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	No File Uploaded
Any additional information	No File Uploaded
3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)	
1	
File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded
3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year	
60	
File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded
3.7 - Collaboration	
3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work	
19	
File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded
3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)	

8

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

Sr. No

Document No.

Date of Registration

Plot No.

Address (Village) Dist.

Area in (acres- guntha)

1

7/12 Extract Record

123 A/1A/A (Wadar Well)

Walchand College of Engineering. Vishrambag, Sangli - 416 415

0-18

2

126 (B) (Rainbow)

0-19

3

167/2

4-35

4

171

2-28

5

172

3-17

6

173

6-20

7

174

19-05

8

175

10-20

9

176



14-25

10

177

26-26

11

178

0-35

Total area in acres- guntha

90-20

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

About Gymkhana:

Sports were a very distinctive feature of Walchand College its establishment.. The college is known not only for academic excellence in engineering but also known for excellent performance in sport. The function of the WCE Gymkhana department is to provide the necessary environment for all-round development of an individual and make them truly good citizens.

The WCE Gymkhana provides very good infrastructural facilities for indoor and outdoor sport and related extra-curricular activities. Spacious playgrounds surrounded by scenic greenery; jogging track and well-equipped gymnasiums are the attractions of the college. The Gymkhana provides facilities in outdoor games like Cricket, Volleyball, Basketball, Football, Kabbadi, Kho-Kho, Lawn tennis, Athletics (Running, Shot-put, Discus throw, Javelin throw etc.) at the cricket ground. Facilities in indoor games like Badminton, Table-Tennis, Carom and Chess are also made

available to the students. Besides, indoor and outdoor games WCE Gymkhana provides a separate facility of well-equipped fitness center for boys, girls as well as to the college staff. Gymkhana provides facility of 800 meter jogging track for students and college staff.

The WCE Gymkhana organizes various sport activities. Sport events like cricket, badminton, volleyball, basketball, table-tennis, athletics etc. are held at college level. Nearly 2000 students participate in the selection process of various sport, in order to select the best players to represent the College, at the Inter-Collegiate, District, State and National Level Tournaments. Participation in sport keeps the students physically fit and develops the sportsman spirit, which is very important to leave a happy life.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

37

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

543.01

File Description	Documents
Upload audited utilization statements	No File Uploaded
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

About the Ajit Gulabchand Central Library

1. The spacious A.G.C. library holds the total collection of over all 108068+ documents consisting of 56592 Books, 13064 Bound Volumes, 38412 Book Bank Books, Video Cassettes, and 3412 Compact Disk plus 578 DVD etc accumulated over last six decades+.
2. 128 Technical & Science Journals subscribed and 839 + 6000 nlist Online Journals through INDEST membership.
3. 846+ Book Bank Set to the students including SC/ST Scholarship holder student free Book Bank Scheme.
4. Central library is fully automated with SLIM21 automation software. Books are issued and collected back using Bar-coded system. And also provides web-based access to the online OPAC catalogue for search reading materials. SWAYAM, INFLIBNET and NLIST are available to access e-journals and digital books. Photo copying and printing services are provided to staff, students and outsiders.
5. E-library facility with software like <http://gist.ipublishcentral.com/> and <http://nlist.inflibnet.ac.in/> for e-reading is also provided for students.
6. All E-resources is available on Remote Access anytime, anywhere through <https://walchandsangli.knimbus.com/user#/remoteAccess>. All students, Research students and faculties which really need this platform in the covid-19 situation for their academics and research work.
7. Shri. Ajit Gulabchand The Chairman of the BOG has Donated AGC Library Building & Furniture: Rs.5 Cores + And Special Book Grant: 25 Lacks for purchase of world class technical reference books Library has added 1372 reference books between 2008-09 and 2010-11 costing Rs 25 lacks

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://walchandsangli.knimbus.com/#/elibrarySetup/statistics

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	No File Uploaded

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

16.15

File Description	Documents
Audited statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

729

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Technology Upgradation (overall)

Total Computers

Computer Labs

Internet

Browsing Centres

Computer Centres

Office

Departments

Available band width (MGBPS)

Others

Existing

1450

17

YES

Entire Campus

1

18

6

800Mbps

100 Mbps NKN

Added

Nil

Nil

Nil

Nil

Nil

Nil

Nil

Nil

Nil

Total

1450

17

YES

Entire Campus

1

18

6

800Mbps

100 Mbps NKN



File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2340	1450

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

	A. 250 Mbps
--	-------------

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development:

Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	B. Any three of the above
--	---------------------------

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)**543.01**

File Description	Documents
Audited statements of accounts	No File Uploaded
Upload any additional information	No File Uploaded

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

Maintenance management is an orderly and systematic approach to planning, organizing, monitoring and evaluating maintenance activities and their costs. A good maintenance management system coupled with knowledgeable and capable maintenance staff can prevent health and safety problems and environmental damage; yield longer asset life with fewer breakdowns; and result in lower operating costs and a higher quality of life. This document provides general information and guidance on establishing maintenance management Systems for use in the Institute (WCE). It describes a system framework from initial step of inventory gathering to preparing a maintenance budget for asset maintenance planning and monitoring. Depending on the application and design, Maintenance Management Systems may have various formats and procedures,

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION**5.1 - Student Support****5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year****1494**

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

36

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	No File Uploaded

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	Nil
Details of capability development and schemes	View File
Any additional information	No File Uploaded

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

264

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	View File

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

375

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

6

File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

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

53

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

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

11

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

WCE Student Council is a representative structure for students, through which student can be part of the development of the institution, working in synchronization with college authorities, faculties and parents for the zenith of the institution, mainly the students. Student council is formed consisting of secretaries

of various clubs of college which belongs mainly to the six departments and few institute level clubs such as Rotract, Art-circle etc. Chairman student welfare is in-charge of this council. General Secretary, one who leads student council is decided on rotation from technical club secretaries every year by student welfare office. The student council plays a vital role to nurture all-round development of students through various activities abiding to vision of institute. Some of the major governance roles and responsibilities such as planning the student club activities and scheduling them properly, rolling out events with wholehearted contributions of student club members so that learning of situational management and organizational skills be fostered among them, creating awareness of student related notifications through clubs community, encouraging students to participate in various activities to fulfill their aspirations, mentoring students to participate for competitions, scholarships and awards which will motivate them in their engineering journey. Various activities are organized every year such as Hackathon, technology based mega competitions, research symposiums, seminars, conferences, workshops and club services which are weekly for every club. The council members and all the other students deliberately involve themselves in their department activity newsletter preparation and in the editorial committee. The student clubs also voluntarily participate in the rollout of Institute level organizations such as Vision, social gathering, graduation day, alumni meet etc. under the supervision of the faculty staff advisers.

WCE has thirteen clubs in which students willingly join and acquires leadership, organizational, team work skills from the events and become industry-savvy. They also involve in social activities such as visiting villages, unprivileged schools, creating awareness on various social & technical issues. The student representatives also actively participate in the Sports activities and bring glory to institute in various indoor and outdoor sports.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

2

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Yes, the college has a registered Alumni association. The Alumni association contributes actively to the welfare of the institution. The alumni meeting is organized once / twice a year by all the departments. Illustrious and prominent alumni are invited to deliver special lectures, motivating the students to go for higher education and to find the means for job opportunities. All the departments have the alumni as members of their BOS. Their valid suggestions are taken into consideration in designing and updating the curriculum. Recently Er. Abhijit Pawar (Sakal Group) donated Rs. 1 crore for infrastructure, staff and research development activities at the institute.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	http://www.walchandsangli.ac.in/alumni/alumni_connect.asp

5.4.2 - Alumni's financial contribution during the year

C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

Vision: To produce capable graduate engineers with an aptitude for research and leadership
Mission:

- To impart quality education through demanding academic programmes.
- To enhance career opportunities for students through exposure to industry.
- To promote excellence by encouraging creativity, critical thinking and discipline.
- To inculcate sensitivity toward society and a respect for the environment.

Quality Policy: To strive for excellence in academic and research programmes in order to achieve proficiency in students by adopting continually improving standards to the learning process. The management, Director all the authorities and faculty works in synchronization with each other in order to for successfully implement its quality policy. The leadership of the institute provides the clear road-map towards achieving the vision and mission of the institute for excellence in technical, academic and administrative processes. Electronics Engineering Vision and Mission are in line with Institutes Vision and Mission statements.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

VISION WCE is committed to becoming a finest seat of learning.

MISSION WCE is committed to provide quality technical education, research and development services to a learner so as to meet the needs of industry, business, service sector and the society, at large. Also, to absorb fundamental values this will make learner a person of culture.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	http://www.walchandsangli.ac.in/igac.asp

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Admission of Students:- Walchand College of Engineering, Sangli is Government aided - Autonomous Institute. All intake seats for the admission are approved by AICTE and filled by Government of Maharashtra. Admission process is centralized and it takes place on Inter se merit of applied and eligible candidate. All types of rules and regulations are followed for all seats filled by CAP in all rounds. The norms set by the Government of Maharashtra for the admission in the first year, the candidates eligible with Maths, Physics, Chemistry or vocational subjects with 45% marks and entrance test conducted by Government of Maharashtra having non zero score. Students who shine in their twelfth standard examinations and who aspire for an engineering study are most welcome to our institution for furthering their career prospects. To this effect, our institution had the benefit of getting very bright students admitted into our college for more than Seventy years. Supernumerary seats like PMSSS, J & K, NEUT, CIWGC, EWS, FN, TFWS etc. filled as per the norms of Central and state government. State government sanctioned 7 seats for Trusts in our Institute. We have 5 seats from Walchand Hirachand Memorial Trust and 2 seats from D. D. Daruwala Memorial Scholarship trust.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://www.walchandsangli.ac.in/igac.asp
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

The functioning of the various institutional bodies is at place as per UGC, AICTE, DTE (GoM) guidelines and available to all stake holders. The recruitments of faculty, staff, supporting manpower is done as per the UGC, state govt norms, rules and regulations. All service rules and regulations laid by UGC, AICTE and state government are implemented in all aspects.

File Description	Documents
Paste link to Organogram on the institution webpage	http://www.walchandsangli.ac.in/AboutUs/OrganisationChart.asp
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The college has "Staff Welfare Fund (SWF)". Apart from support available from TEQIP to attend to national/ international conferences, through the SWF, faculty members have been provided with 50% of travelling expenses or Rs. 50,000/- whichever is less. For any emergency or for any event of domestic importance, advance amount to the extent of Rs. 40,000/- is being provided to the needy staff member. The college, through the state Government's scheme, provides medical expenses reimbursement for

employee and his / her close relatives. As an average, 30% of employees avail the advance / reimbursement facility.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

42

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

12

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

122

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Audit Type External Internal Yes/No Agency Yes/No Agency Academic Yes University Affiliation Committee NBA expert committee Yes HOD Administrative Yes External Auditor, TEQIP Auditor, University Affiliation Committee NBA expert committee Yes Director and Registrar

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

482.3

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

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

Mobilisation of Funds:

College has separate Finance Committee, as per the UGC guide lines. The committee meets every quarterly. Budget approval, expenditure monitoring, major equipment purchases, balance sheet

analysis, college level issues of financial nature, recommendation for appointment of internal and external financial auditors, in-time compliances for financial audit points etc are well handled by the committee. The committee provides specific guidelines to the Director for effective implementations. At the director's level, a separate central purchase committee has been constituted which meets weekly. Various proposals of purchases are submitted for approval to the Director. The purchase committee prepares analytical comments on comparative statements prepared by the proposer. These recommendations are then approved, with changes if required by the Director.

Local financial auditor prepares periodic audit reports for submission to the Director and the Finance Committee.

Resource mobilization :

College has been well recognized for various testing consultancy assignments. Mechanical Department, Civil Department, Applied Mechanical Department, Electrical Department are active in internal resource generation.

Electronics Department, CSE Department and IT Department are active in internal resource generation through organizing On-Line examinations for various external agencies. Each of the above departments take active part in organizing continuing education programmes for industry workers. This adds to resource mobilization

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The Internal Quality Assurance Cell (IQAC) is the cell that is formulated for monitoring the quality parameters in WCE Sangli. The committee was formulated based on the recommendations given

by National Assessment Accreditation Committee (NAAC). . The work of the IQAC is the first step towards internalization and institutionalization of quality enhancement initiatives. Its success depends upon the sense of belongingness and participation in all the constituents of the institution. It will not be yet another hierarchical structure or a record-keeping exercise in the institution. It will be a facilitative and participative voluntary system/unit/organ of the institution. It has the potential to become a vehicle for ushering in quality enhancement by working out planned interventionist strategies by IQAC to remove deficiencies and enhance quality like the "Quality Circles" in industries.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.walchandsangli.ac.in/iqac.asp

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

An academic audit of departments is conducted. Internal academic audits are conducted twice in a year at the end of each semester. The internal audit is conducted by an audit committee appointed by Director. Typically internal academic auditors are faculty chosen from various departments of the college. The schedule of audit is declared in advance. The faculties are provided with parameters of academic assessment. The assessment parameters include mapping of course outcomes with programme outcomes, course delivery, insemester evaluation planned and executed, Performance of Engaging lectures, Performance of Attendance of students, Counseling, quality of question papers, attainment of course outcomes, and result analysis. The auditors are also provided with evaluation format and it is submitted to DeanQA after assessment for further processing. Dean QA compiles all the evaluations by the auditors and prepares a consolidated audit report which is sent to all departments. Heads of department take cognizance of the report and necessary corrective measures to address the non-conformities. This is supported by external academic audit. The committee for external academic audit is composed of academic experts from various autonomous

An academic audit of departments is conducted. Internal academic audits are conducted twice in a year at the end of each semester. The internal audit is conducted by an audit committee appointed by

Director. Typically internal academic auditors are faculty chosen from various departments of the college. The schedule of audit is declared in advance. The faculties are provided with parameters of academic assessment. The assessment parameters include mapping of course outcomes with programme outcomes, course delivery, insemester evaluation planned and executed, Performance of Engaging lectures, Performance of Attendance of students, Counseling, quality of question papers, attainment of course outcomes, and result analysis. The auditors are also provided with evaluation format and it is submitted to Dean RDQA after assessment for further processing. Dean RDQA compiles all the evaluations by the auditors and prepares a consolidated audit report which is sent to all departments. Heads of department take cognizance of the report and necessary corrective measures to address the non-conformities. This is supported by external academic audit. The committee for external academic audit is composed of academic experts from various autonomous colleges. The external academic audit is done usually once in two / three years.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.walchandsangli.ac.in/iqac.asp

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	http://www.walchandsangli.ac.in/teqip-III/Annual%20Report%202019-20.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The college, at its local level, has a rich tradition of providing equal opportunities to both the genders. The state government norms are followed in recruitments.

Anti-sexual harassment committee with a senior lady faculty member as chairperson has been formed by the college. Annually few programmes are organized by the committee for gender sensitization.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

C. Any 2 of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

1. The rich vegetation within the campus facilitates a lower temperature (3-4°C) in the campus as compared to the external campus temperature.
2. The campus is well protected and is a home to various domesticated animals viz. Peacocks, rabbits, birds of various species and reptiles thus exhibiting Balance in the ecosystem.
3. Use of Plastic is strictly banned in the campus. All the faculty members have been provided with steel bottles for water storage and the messes and canteen have been instructed to use non-plastic utensils.
4. The college campus has protected five perennial wells, supplying water for secondary uses 24/7 throughout the campus.
5. Solar Lighting on the streets within the campus is implemented.
6. The college caters to accommodate approximately 1000 students distributed over
8 hostels, a temple and about 30 families of the faculty/staff staying in staff quarters which are exclusively maintained by the college.
7. Buildings are provided with Rain Water Harvesting facilities protecting the water table on the campus. A well-maintained jogging track is constructed around the playground which is not only extensively used by the internal stake holders but as well is kept open for the local public in the mornings.
8. Smart Pole Concept has been initiated. 9. Waste water generated in hostels as well as in mess are recycled and reuse for horticulture Garden (Banana Garden).

Hazardous Waste Management: Paper waste is regularly sold to outside agency. The answer sheets are shredded and sold to licensed purchaser. College does not produce much of hazardous waste. If any such waste is found, it is destroyed under strict human supervision. There are no hazardous waste generated in college except in laboratories like Chemistry and Environmental

Engineering. Adequate exhaust provisions are made in these laboratories to drive out acid fumes. e-waste Management: Electronic and computer accessories which are declared "Obsolete" are sold through auction to a licensed vendor on periodical basis. College also has a scheme by which new equipment are purchased under old buy back scheme.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	No File Uploaded
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	C. Any 2 of the above
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File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	B. Any 3 of the above
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File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

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

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

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

C. Any 2 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

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

A. Any 4 or all of the above

reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	View File

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

The college encourages the faculty and students to initiate, participate and implement the programmes which contribute to societal awareness for various issues. There different student clubs/associations (PACE, SOFTA, CESA, MESA, EESA etc) in the college monitored by faculty coordinator. The activities of these include: organization of awareness programmes (for environment, water conservation, computer education etc), blood donation camps, educating rural populace, building check dams, competitions of school children for the development of soft/drawing/analytical skills, tree plantation etc. NSS is also active in organizing activities which address societal problems. B.Tech. projects and M.Tech.dissertations in few cases were based on addressing the regional problem like flood and global problem Covid..

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

One of the mission statement deals with inculcating values and

ethics in the students. The college believes that if the environment in which student spends most of his time is spiritual with dedicated people around, then the impression which is going to last on their mind is the reflection of that ambience. Ganesh Temple in the campus, a grand statue of Devi Saraswati in front of (second to none) library, the cultured and ethical behavior of all faculty members, office and non-teaching staff and the traditionally simple culture of the town indirectly imparts values and virtues in the students.

Mandatory Noncredit courses "Value Education " and "Constitution of INdia" is included in curriculum of all PG programs

Contributing to national development: In line with the vision statement of the college:-

1. The college runs demand driven curriculum to produce graduates to accept National challenges.
2. Research activities of AICTE, DST, BARC etc., are carried out in the thrust areas of national interest.
3. College runs Quality Improvement programme of AICTE for Ph D research work.
4. Conduct of workshops for training National Board of Accreditation (NBA) Trainers /evaluators.
5. Consultancy and testing in various departments serve the purpose of providing Department expertise for national development.
6. Participation and organization of national level activities such as conferences, Seminars, workshops as deemed appropriate of national thrust are organized.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	No File Uploaded
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this

B. Any 3 of the above

regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

File Description	Documents
Code of Ethics - policy document	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

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

As per the list from Govt of Maharashtra the days are celebrated, detail list is attached herewith..

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

1. Practicing Outcome Based Education

2. Use of Multimedia in classrooms/laboratories

3. Implementation of ICT, E-learning resources for students' self-

learning

4. On-line assignments, examinations and assessment, Access to IITB virtual lab

5. Transparency in evaluation system and Relative grading system

6. Online student feedback system

7. Use of multimedia and ICT in teaching (viz. interactive boards, LCDs, Internet), NPTEL, IUCEE webinars in teaching/ learning

8. Use of Moodle for uploading all academic related data by each faculty through e-course book.

9. e- learning motivation for Open Electives, Professional Electives on MOOC for students 24x7 Lab availability

10. The open source software usage and contribution is primary focus. 11. Bottom up approach for budget preparation. Requisition and approval process in place for all purchases.

File Description	Documents
Best practices in the Institutional website	http://www.walchandsangli.ac.in
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

- Legacy of 75 years.
- 3 Times Accredited.
- Leading Institute in Maharashtra.
- Qualified Faculty.
- The institute has 84.9 % Placement of students in various reputed companies such as Google, Amazon, Rakuten, Veritas, Dell, Mahindra, Philips, LT, Dassault Systems, TCS, Eaton etc, with highest salary of 43 LPA and average salary of 6.7 LPA. The highest placement is in BTech CSE (98.05), followed by IT (95.5), Electronics(91), Electrical(84), Mechanical (80.65) and Civil(54).

File Description	Documents
Appropriate link in the institutional website	http://www.walchandsangli.ac.in/alumni/alumni_connect.asp
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

Future plans for the academic year 2021-22

1. Modernization and increasing number of class rooms
2. creating state of the art infrastructure for Teaching, Learning, Assesement and Administration
3. Collaboration with other HEI
4. Presentation at National and International level
5. Organization of workshops, training on advanced technologies
6. Strengthening Alumina network
7. Strengthening Industry interaction
8. Curriculum advancement to match with AICTE guidelines and NEP 2020
9. Celebration of Platinum Jubilee Year by organizing various activities
10. Improvement in NIRF Ranking
11. Preparation of IIQA and SSRfor NAAC cycle 2