



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1. Name of the Institution

SHRI SHANKARACHARYA INSTITUTE OF
PROFESSIONAL MANAGEMENT AND
TECHNOLOGY

- Name of the Head of the institution **Dr. Alok Kumar Jain**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**

- Phone no./Alternate phone no. **0773501600**
- Mobile no **9425555593**
- Registered e-mail **principal@ssipmt.com**
- Alternate e-mail **info@ssipmt.com**
- Address **Old Dhamtari Road, Sej Bahar,
Mujgahan**
- City/Town **Raipur**
- State/UT **Chhattisgarh**
- Pin Code **492015**

2. Institutional status

- Affiliated /Constituent **All India Council for Technical
Education (AICTE)**
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status **Self-financing**

- Name of the Affiliating University **Chhattisgarh Swami Vivekanand Technical University**
- Name of the IQAC Coordinator **Dr. Naveen Jain**
- Phone No. **07713501600**
- Alternate phone No. **9617060000**
- Mobile **9617060000**
- IQAC e-mail address **iqac@ssipmt.com**
- Alternate Email address **principal@ssipmt.com**

3. Website address (Web link of the AQAR (Previous Academic Year)) <https://ssipmt.com/data/naac/AQAR%202019-2020.pdf>

4. Whether Academic Calendar prepared during the year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: <https://ssipmt.com/academic-calender.php>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B++	2.78	2021	08/02/2021	07/02/2026

6. Date of Establishment of IQAC **20/07/2018**

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

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. Archana Chandra	S&T Institutional and human capacity building -1817	Department of Science & Technology	Award year -2020 , Duration 1 year	1059600.00

8. Whether composition of IQAC as per latest NAAC guidelines **Yes**

- Upload latest notification of formation of IQAC [View File](#)

9. No. of IQAC meetings held during the year **4**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**
- If No, please upload the minutes of the meeting(s) and Action Taken Report No File Uploaded

10. Whether IQAC received funding from any of the funding agency to support its activities during the year? **No**

- If yes, mention the amount

11. Significant contributions made by IQAC during the current year (maximum five bullets)

1) NAAC certification of the institute 2) Reframing the institutional policies 3) Establishing a structured online teaching-learning and evaluation framework in COVID 19 scenario 4) alumni meet and staff council function in the institution 5) Induction Program in departments

12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
NAAC certification of the institute	B++ grade awarded
Academic and Administrative Audit (External)	Accomplished
Academic and Administrative Audit (Internal)	Accomplished
Establishment of online teaching learning methods and infrastructure due to pandemic (COVID -19)	Accomplished
IQAC conducted online SSS for the academic year	accomplished
Preparation and conduction of University and internal online exams	accomplished
Academic and activity calendar for the session	prepared and adhered to the calendar
Enhancement of ERP modules for paperless working culture	accomplished

13. Whether the AQAR was placed before statutory body? **No**

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14. Whether institutional data submitted to AISHE

Part A

Data of the Institution

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	Technical University				
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• if yes, whether it is uploaded in the Institutional website Web link:	https://ssipmt.com/academic-calender.php				
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Cycle 1	B++	2.78	2021	08/02/2021	07/02/2022
				1	6
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<ul style="list-style-type: none"> Name of the statutory body 	
Name	Date of meeting(s)
Nil	Nil
14. Whether institutional data submitted to AISHE	
Year	Date of Submission
Yes	28/02/2022
15. Multidisciplinary / interdisciplinary	

16.Academic bank of credits (ABC):
17.Skill development:
18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)
19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):
20.Distance education/online education:

Extended Profile

1.Programme	
1.1 Number of courses offered by the institution across all programs during the year	504
File Description	Documents
Data Template	View File
2.Student	
2.1 Number of students during the year	1517
File Description	Documents
Institutional Data in Prescribed Format	View File
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	357

File Description	Documents
Data Template	View File
2.3 Number of outgoing/ final year students during the year	349
File Description	Documents
Data Template	View File
3.Academic	
3.1 Number of full time teachers during the year	116
File Description	Documents
Data Template	No File Uploaded
3.2 Number of sanctioned posts during the year	129
File Description	Documents
Data Template	View File
4.Institution	
4.1 Total number of Classrooms and Seminar halls	54
4.2 Total expenditure excluding salary during the year (INR in lakhs)	426.60
4.3 Total number of computers on campus for academic purposes	653
Part B	
CURRICULAR ASPECTS	
1.1 - Curricular Planning and Implementation	

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Shri Shankaracharya Institute of Professional Management and Technology Raipur affiliated to State Technical University CSVTU, Bilai, strictly adheres to the curriculum prescribed by the University. In the academic session 2020-2021, the institute resorted to online mode of teaching-learning due to Covid-19. Together with the prescribed curriculum, the institute has follows methodical ways and means to strengthen the teaching-learning process. Advance planning of academic activities and freezing of institute academic calendar in alignment with the academic calendar of the University is done. At the beginning of the semester, after due discussion with the Heads and faculty members objective driven teaching plan is prepared. Thereafter, time table is prepared allotting subjects and teaching load to respective teachers. Virtual mode of teaching was adopted by teachers for teaching-learning. Two online Class Tests were conducted to assess the students' performance. Together with regular teaching, webinars, workshops, presentations, guest lectures were conducted to update and upgrade the students. Assignments are given to students after completion of each unit which helps them to remember things in a better way. Virtual lab classes were also conducted to give students practical knowledge of the subject. Further, to give impetus to innovation and research, project classes were conducted which helped the students to make projects in groups. Students were also encouraged and guided to write research papers.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.ssipmt.com/academic-calender.php

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The following transformations are made to form an effective academic calendar of the institute for the better conduction of CIE.

- Before commencement of a particular Semester, the University Academic calendar is circulated to all the HODs.

- based on the University Academic calendar, HODs from the departmental academic calendar and the Principal finalize and freeze the institutional academic calendar.
- Before commencement of online/offline academic session the academic calendar is disseminated to stakeholders.
- Minimum 90 days session is planned as per the University norms.
- Date of internal assessment examination (two) and all the activities for the coming semester are mentioned in the academic calendar.
- The internal assessment dates mentioned in the academic calendar are followed while conducting the internal examinations as mentioned in the university curriculum.
- Teachers are expected to adhere to the dates and plan their teaching accordingly so that they can achieve the set target.
- The academic calendar acts as a time guideline for the teachers to follow throughout the session for effective and timely completion of the course syllabus.
- Curricular and extracurricular events in the domain of management and technology are carried out as per CIE for the holistic development of students.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.ssipmt.com/academic-calender.html

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

9

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

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

06

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

636

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

The institute is believes that cross-cutting issues like environment and sustainability, gender equality, human values and professional ethics are relevant to all aspects of development. These values should be inculcated in students for converting them into good Indian citizens. Institute organizes special social activities such as Blood Donation camps, rural development (under UBA), Swachha Bharat Abhiyan, Campus Cleanliness Camp to maintain good social environment under the umbrella of NSS and Students association of all the departments. Students actively participate in Nukkad Nattak, Short movie making competitions, Rallies, Marathon and other activities. Gender Equal opportunities are given to both the genders in all domains. Environment and Sustainability -Understanding the extreme need of citizen realization, the University includes a compulsory course on environment and ecology in the B.Tech. fifth semester and few of the elective courses to make the citizens of tomorrow realize their duties. This is done by giving them a complete understanding of our ecosystems, natural resources, bio diversity, biotic resources, pollution due to various factors and its management. Students also carry out projects addressing the issues of environment and sustainability. Plantation on world environment day, guest lectures on Rainwater harvesting, and use of solar energy, are conducted on regular basis.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field

work/internship during the year

26

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

991

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://ssipmt.com/naac.php
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website
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File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.ssipmt.com/pdf/1.4.2.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

444

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

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

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

172

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 the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institute assesses the learning level of students through a wide range continuous assessment components that includes assignments, class tests, presentations, workshops, quizzes, group discussions, aptitude tests, internships, minor-major projects, viva-voce examination, attendance etc. In addition, teacher-student interaction during classroom sessions, report of section in-charges and subject teachers, class tests and assignments help in identification of different levels of learners. The Head of Department and faculty regularly review the academic progress and counsel students to improve their performance to ensure their academic growth.

Slow learners are assisted in better learning by organizing extra classes, tutorials, remedial classes, providing tutorial assignments, extra reading material to improve basic understanding of subject and encouraging them to participate in various activities to develop social skills. For the advanced learners project-based learning and training sessions are arranged. They are motivated to take up MOOC courses like Swayam, NPTEL, Coursera etc. Due to Covid-19, many of these activities were conducted virtually in 2020-2021.

Assessment of values is also a continuous process with focus on discipline, dignity of labour, respect for religion and culture and community participation.

File Description	Documents
Paste link for additional information	https://www.youtube.com/watch?v=eZOnY5p1Heo&list=PLYz_pqJ1nF_TrdocsOdamXoS0XauKsxhF
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1517	116

File Description	Documents
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

SSIPMT, Raipur provides an effective platform for students to develop the latest skills, knowledge, attitude, values to shape their behaviour perfectly. Faculty members make efforts in making the learning activity more interactive by adopting the below-mentioned student-centric methods:

Experiential Learning: Each department conducts add-on programs to support students in their experiential learning.

- Laboratory Sessions are conducted with content beyond syllabus experiments.
- Summer Internship -Students get hands-on training while working in the company.
- Add-on Courses on latest technologies with NPTEL, Coursera, etc.
- Industrial Visits are departmental specific where companies are visited by students to get the latest knowledge on technologies and processes.
- Certification Courses or Value Added Courses to develop expertise.

Participatory Learning: Students are encouraged to participate in activities where they can use their specialized technical or management skills, such as:

- Presentation and publishing of papers in conferences and journals.
- Seminar Presentation - Students develop technical skills while presenting papers in seminars.
- Participation in Smart-India-Hackathons, Chhatra Vishwakarma Awards, and other national events.

Problem-solving methods: Departments encourage students to acquire

and develop problem-solving skills.

- Project development on important subjects
- Regular Assignments, Quizzes, Case studies Discussion and Debates
- Minor and Major Project development and Presentation which is a part of the University curriculum.
- Participation in inter and intra college events such as Tech fests, Robo war etc.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://ssipmt.com/innovation-at-ssipmt.html

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

The ICT tools used in our institution are of high quality yet cost-efficient. It's easy to use and helps to improve communication and subject understanding. It is efficient in improving data and information security as Cloud-based LMS tools link teachers, students, researchers, and education together without any unauthorized access. It's evident that the grades and overall performance of the classes increased with use of ICT tools.

In our institute, lectures and tutorial classes are available in PPTs, Audio and Video formats. Classes have LCD screen and projectors for prompt visualization of the subject content. We have taken the evaluation at online platform as well for tests, quizzes, and viva. Video lectures on various online platforms were essential part of teaching-learning process during peak stage of pandemic.

Our institute has surplus high-speed fibre-optics internet connection available through LAN and Wi-Fi managed through high performing switches and routers. We have well equipped communication lab efficient tools for reading, writing, listening, and speaking skills. All our departments have their own YouTube channel where video lectures are available. ICT literacy and

capability are the skills of the 21st century that are the new generation of global learning platform used by our institute.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

100

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

116

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

27

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

567

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Continuous Internal Evaluation (CIE) is carried out periodically through class tests and other internal skill development activities. Complete transparency is ensured in the internal assessment of student's performance throughout the session.

Newly inducted students in the institute are made aware of the continuous assessment system during the induction program. When the session commences, students are made aware of the internal evaluation process and briefed about OBE, POs, PEOs, and PSOs as well as COs of particular courses.

Examination Pattern for Internal Assessment

Class Test-I is conducted for a maximum of 2 units.

Class Test-II is conducted for a maximum of 3 units.

Assignments and Tutorials: Assignment and tutorial questions include theoretical and numerical problems of the course.

Teachers Assessment (TA)

a) Attendance of students for the entire semester is taken which is used for the distribution of 15 marks of TA out of 20 marks

b) Remaining 5 marks are given by the subject teacher based upon various academic activities like assignments, tutorials, aptitude tests, etc. for assessing the students as per different departments.

Internal Assessment Marks which comprises TA, CT-I, CT-II, are provided to students.

File Description	Documents
Any additional information	View File
Link for additional information	https://SSIPMT.mynetcampus.com/

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

- The internal examination is divided into two parts. Firstly 2 Class tests for Theory courses and secondly internal practical viva for Practical courses.
- The students are well aware that in the final end semester result the average of both the class test is considered.
- If a student is unable to appear for internals due to medical or any other genuine reasons, it is conducted for that student as per norms, provided that he/she submits application with proper documents.
- If any student scores poor marks in test and wants to improve, he/she is counseled and remedial sessions are arranged.

- The grievances of the students with reference to assessment are redressed by showing his/her performance in the answer sheet.
- Any corrections in the assessment of answer book/s as identified by students are immediately done by faculty member.
- Any student who is not satisfied with the assessment may approach the concern HOD who can intervene and seek opinion of another teacher of the course.
- The Institute follows open evaluation system where the student performance is displayed on the notice board, Institute ERP portal and the same is informed to the parents through PTM.

File Description	Documents
Any additional information	View File
Link for additional information	https://SSIPMT.mynetcampus.com/

2.6 - Student Performance and Learning Outcomes

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

Course Outcomes (CO) are learning objectives that are inculcated and developed in student. The CO's are statements that relate to skills, knowledge and behavior students acquire during the specific course of particular program. The CO's are related to:

- Understanding concept of data / Information / components
- Application of concepts related to subject area suitably in a particular environment.
- Acquisition of knowledge and skills for relevant modern tools and technology.

CSVTU Bhilai has specified certain CO's and SSIPMT has also developed own CO's for each subject. The objectives of framing new CO's are:

- To create an academic environment in Institute
- To improve the efficiency of course content delivery

SSIPMT make certain that the CO's are accomplished by theory and practical knowledge. With the aim to achieve and enhance quality of teaching and learning, SSIPMT has developed Program Outcomes and Program Specific Outcomes. All these outcomes are circulated to stakeholders through the following channels:

Indoor:

- Digital Media
- Institute Website
- Student's e-mail

Outdoor

- Laboratories
- Seminar halls
- Class rooms
- Administrative Area
- HOD rooms
- Faculty rooms
- Activities/Meetings
- Induction program
- Presentation of lesson plan in first lecture
- Departmental meetings ?

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://www.ssipmt.com/computer-science-engineering.php
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

To achieve academic excellence, attainment levels of course outcomes (COs), program outcomes (POs) and program specific outcomes (PSOs) are analysed. Calculation of CO attainment is based on: (a) Internal Evaluation (20% Weightage) • Class Test • Lab performance • Assignments (b) External Evaluation (80% Weightage) • End Semester Theory and Practical Examination
 Calculation of value of POs is based on average results of internal evaluation and external evaluation of current academic year. 2. Calculation of PO attainment is based on: (a) Direct tools: CO attainment (90% Weightage) (b) Indirect tools: (10% Weightage) PO attainment using direct tools: The COs of courses are mapped to the POs. As per calculations of attainments of individual COs, PO attainment is calculated. Final PO attainment is calculated by formula $[(\text{Strength}/3) \times \text{Average percentage of CO attainment}]$. The max mapping strength is 3. Strength will be 3 for more than 40% lecture devotion out of total lecture, 2 for 25-40% strength, 1 for 5-25%, and 0 for less than 5% strength. PO attainment using indirect tools: Program exit survey: A survey is conducted after completion of program. Students evaluate each PO on a scale of 0-5, where 0 indicates poor and 5 is excellent.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://ssipmt.mynetcampus.com/

2.6.3 - Pass percentage of Students during the year

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

380

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	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)

<https://SSIPMT.com/sss20-21.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

12.36

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

9

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

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

2

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://artson.net/

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

SSIPMT is a known name today and stands firm as insignia of quality education not only in the state but in the central India. We started our journey in 2008 with the mission of imparting quality education to the young minds and giving society and nation responsible industry ready engineers.

Institute has evolved over this journey in meticulously planned manner. we started in 2008 with focus on building basic infrastructure and shifting the focus on core academics in 2010. I feel proud to tell you all, that the steps we took 10 years ago are still bearing fruits in the form of best university results till date. In the year 2012 we started focusing on placements and ladies and gentlemen we are indeed number 1 in placement among all Institutions affiliated to the state technical university. Very soon we realized that there is still a lot to be done and thus in the year 2015 we locked horns on "Pathshala to prayogshala" approach. This move has resulted in an enviable number of patents

in a very short span and world-class research papers by faculty members and students. In the zeal to become better with time we started engaging with corporates and trade bodies at a totally different level in the year 2017, as a result of which we have signed up Memorandum of understandings with some of the best entities across the world including the likes of Nvidia Guithub, RPG group and many more. It was at the onset of covid-19 pandemic that we could come up with our best. when most other institutes in the vicinity were shut dow, we were burning our midnight oil and got prestigious nationwide acclaimed accreditations like National Board of Accreditation (NBA) and the NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC). Rising to the need of the hour our faculty members and students came up with meaningful innovations like corona tracker app, e- Chhatri , economical ventilator, sanitizing tunnels, automatic sanitizer dispenser etc. All this has been the outcome of the multi-disciplinary innovation eco system that we have very carefully spawned in the institute. To systematically foster the culture of Innovation and support the start up amongst the students we have established Institution's Innovation Council (IICs) under Ministry of Education, Govt. of India. based on the activities and projects of SSIPMT, we have been successively awarded three start rating since inception of IIC. Further, this eco system has enabled us to have 8 registered start ups and 11 patents with as many patents awaiting approval from central government.

SSIPMT Raipur is the only private Engineer College in Chhattisgarh as per latest Atal Ranking of Institutions on Innovation Achievements (ARIIA) to secure rank in band 26-50 in private engineering college category.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://SSIPMT.com/innovation-at-SSIPMT.php

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

15

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

0

File Description	Documents
URL to the research page on HEI website	https://www.ssiptm.com/research-and-development.php
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

28

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

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

16

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

In order to encourage students to engage in "on-the-field" social service activities, the SSIPMT Volunteering Committee has been set up. The Institute's mission includes educating both students and teachers about the importance of doing their part in the community while still pursuing their academic goals. As NSS (National Service Scheme) volunteers, a large number of students devote their time and effort to helping those in need. Involvement of community people in social work raises awareness and guarantees student engagement in community service projects. The NSS and NCC (Girls Wing) are on hand in the Institute.

Few activities conducted even during the corona times are listed below:

- The Pandemic did not stop us from hosting a live webinar on the Google Meet Online Platform. "Role of youth in constructing a future self-reliant India" was the focus of the webinar.
- We hosted a one-day CORONA Awareness camp in Palaud/Tekari and Bodal on where we handed out handmade masks to the residents.
- NSS EVENTOMANIA 2021 was a successful 13-day extravaganza on the topics of HEALTH, HELP, and TECHNOLOGY. An estimated 164 people from all across India participated in various categories of activities during this 13-day EVENTOMANIA, organised by the NSS team.
- Facilitated a yoga class for a group. Yoga was emphasized in this webinar as a way to boost our immune system in the face of the current epidemic. It was a Google Meet-hosted live webinar.
- NSS Cell, SSIPMT Raipur, organised a webinar session under NSS EVENTOMANIA 2021, titled CO-EXISTING WITH COVID-19:

PARAMEDICS ON DUTY, to honor our paramedical staff's service and assistance during this pandemic covid-19.

File Description	Documents
Paste link for additional information	https://SSIPMT.com/nss.php
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

3

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

13

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

694

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

40

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

20

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

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 equipment etc.

A variety of resources may be found at SSIPMT. Huge structures cover an area of 10.17 acres which includes 54 classrooms, 75 labs, 7 seminar rooms, and workshops that are well-suited to foster new ideas and skills. Wireless and LAN connections are available across the campus.

60 learners can fit in each classroom. Departmental laboratories, the IDEA Lab, the Research Lab-Management Department, and the Research Center-Computer Science Department all have a total of 653 computers in the institutions. Labs are equipped with power backups and air conditioning to ensure a seamless workflow. Civil and Mechanical workshops have enough technology to build functional models of autos, and they may even consider starting a business in the future. Various incubation centers under various MoUs are equipping the students with the latest technology to ease the journey from institution to industry.

During college hours, students and employees may use the Central Library in the Admin Block. Academic works like pro quest and IEEE journals and other periodicals are also made available as part of the service. Also accessible for use on-site are subscriptions to plagiarism detector software and paraphrase and grammar checking services. In addition to the 23754 print volumes accessible to patrons, the library also maintains a collection of over 25000 electronic books. Students at SSIPMT are publishing their articles in various publications starting from the graduation level .

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.ssipmt.com/virtual-tour.php

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

Facilities for Sports:

1. College has adequate facilities and resources for Outdoor and Indoor games like Cricket, Football, Badminton, Table- Tennis, Carom, Chess, Volley-ball, Lawn tennis and Basketball and used by students daily. 2. The playground has an approximate area of 2.5 acres. 3. Well-equipped gym having an area of 300 sq.fts. Facilitated with Gym instructor for both students and staffs. 4. YOGA sessions for the students are also conducted. 5. The institute successfully organizes Shri Shankaracharya Corporate Cricket League (S2C2L) annually in the institute's sports grounds in which teams from the leading corporates of the state participate. This event is highly popular which attracts a large attention from the students as well as outsiders.

Facilities for Cultural Activities:

1. Cultural events are conducted in the institute at the centre stage / Seminar Hall. 2. Separate Green room facilities for boys and girls are made available to avoid any chances of misconduct. 3. Winners are felicitated with awards. 4. The dimension of well-equipped seminar hall is 28.2 x 15 sq. meters with seating capacity of approximately 300 students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.ssipmt.com/virtual-tour.php

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

48

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ssipmt.mynetcampus.com/academic/MyOnlineClassroom
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

40.00

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

Central Library of the Institute is housed in the first floor of the Administrative Block having an area of total 764 sq.mtr. A well-stocked and spacious Central Library has more than 23941 books, 30 magazines, 13 newspapers and subscription to 4605 e-journals, 21856 e-books, and ProQuest Management collection. The Institute has subscription of 104 printed journals as per the AICTE norms which are renewed every year. It provides services like: Circulation, Reprography, Newspapers (Hindi and English). It also provides NPTEL Video Lectures. Due to Covid-19 remote access was made available to the students and faculty members so as to promote optimum usage of library resources.

The library has various sections / services like: (i) Digital

Library

- (ii) Journals/Periodical section
- (iii) Stacking Area
- (v) OPAC (Online Public Access Catalog)
- (vi) Bound Volume Journal's section
- (vii) Issue-Return Section
- (viii) Reference Section.
- (ix) Reading Room Section.

Digital Library has ten internet enabled computer systems for direct access to e-resources.

(1) Netcampus Software:

SAARC Masts Tech Private Limited Bangalore, Karnataka -560090
INDIA

For Netcampus Solutions Internet library automation functions.

- (2) Nature of automation (fully or partially) - Partially.
- (3) Version Library uses version 1.0.0
- (4) Year of Automation

Library is partially automated since Nov-Dec 2010.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://SSIPMT.mynetcampus.com/

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

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

14.37

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

61

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

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The IT facilities include:

Hardware: comprises of Firewall, Routers, Access Points, and Computing facilities.

Firewall Details: Fortinet FortiGate 200D is the main firewall to provide optimal performance, versatility and efficiency .

Computing Facilities: Institute has total 653 computing machines with 639 desktops, 14 laptops of makes like Acer, Dell, Lenovo, HP, Wipro.

Software:

The Institute has

- 26 licensed application softwares like MATLAB, Language Lab Software.
- 2 system softwares WINDOWS, and Linux.
- The Institute also have Microsoft Campus License for various Microsoft products and email solutions.
- Students are provided with ample opportunities to work on open-source solutions with high speed internet connection.

Internet and Wi-Fi:

- The college is having the Local Area Network by fiber optics which connects all the departments and having the speed of 150 MBPS.
- Institute has high speed internet connection or connectivity having Wi-Fi setup with 22 access points strategically located across the campus.
- The wifi facility is implemented in the campus covering all the buildings and corridors.
- Wi-Fi is authentication driven and is with restrictions as per user level for maximum security.
- The college is exclusively having 653 computers which are connected to LAN/Internet.

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

4.3.2 - Number of Computers

653

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

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

4.4 - Maintenance of Campus Infrastructure

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

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

368.66

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

All the Departments and various functioning units of the college are provided with all the required infrastructure facilities like class rooms, faculty rooms, wash rooms, common rooms, laboratories etc. The utilization of all the facilities is ensured by introducing exclusive hours for sports and Central Library through allocating periods in time table. As maintenance is an ongoing process, the follow-up is taken by the respective In-charges. The

role and responsibilities of maintenance committees: • The institute is guarded by security persons 24*7. • The maintenance committee oversees the maintenance of buildings, classrooms and laboratories & Campus. • The central computing team is responsible for maintenance and managing of CCTV, internet facility, computers, printers, and other e-resources. • Adequate Housekeeping staff is employed to maintain cleanliness of the campus so as to provide a congenial learning environment. Classrooms, Staff rooms, Seminar halls, Library, Laboratories, Wash rooms etc. are cleaned and maintained regularly. Dustbins are placed on every floor at identified places. • Regular maintenance of sports facilities is carried out by sport officer with help from support staff.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.ssipmt.com/virtual-tour.php

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

403

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

59

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://www.ssipmt.com/toastmaster.php
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1083

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1083

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

<p>5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees</p>	<p>A. All of the above</p>
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File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	No File Uploaded
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

245

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File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

21

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

07

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

one) during the year

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

nil

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

SSIPMT being student-centric involves students in every sphere of its work. The Institute teaches the students to focus on ethical principles and adhere to professional ethics and norms of Engineering. Each department in the institute has a student association for conducting various activities and programs. The various associations are ELEXA in ET&T, MEA in Mechanical Engineering, iTECH in Information Technology, CSA in Computer Science, ACE in Civil Engineering and M2M in Department of Management Studies.

All students of a branch are members of their departmental association, and a few students hold the various portfolio for the smooth working of associations. These associations extend their supporting hands to the organizers of various events like Hackathons, Annual sports, Annual functions, workshops/seminars/conferences, etc. It aims to develop the personality, organizational skills, and career of the students through involving them in co-curricular and extracurricular activities.

Every department nominates a class representative for coordination in all activities. Institute has a student council that acts as a platform for the student community to address various academic and

administrative aspects. Student councils have positions like President, Vice-President, Secretary, and Joint Secretary. The members of the student council also represent the Institute at University level Student Council. At both level, student council brings out the opinions and requirements of the students to the authorities and act as a link between the administration and students.

The Institute has National Service Scheme (NSS) unit which sensitizes students towards community issues, gender disparities, social inequity, and inculcates ethical values and commitment towards society. Under NSS Wing, a nearby village has been adopted, where several activities are organized at regular intervals. An NCC Girls Wing is also operational in the institute. The institute also actively organizes campaigns under Swachh Bharat Abhiyan and Unnat Bharat Abhiyan from time to time. The institute organizes various awareness programs for community services and addresses societal issues in the neighborhood community.

The institute strongly understands the need and responsibility of not only creating successful professionals but also inculcating the values, integrity, and ethics in them. Students are encouraged to address societal issues and challenges, to make them realize their responsibilities and duties towards the society and nation at large. In this regard, SSIPMT organizes special social activities such as Blood Donation camps, rural development activities, Campus Cleanliness Camp and to maintain a good social environment under the umbrella of NSS and Students association of all the departments.

File Description	Documents
Paste link for additional information	https://www.ssipmt.com/nss.php
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

10

File Description	Documents
Report of the event	View File
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

SSIPMT Raipur's Alumni Association is registered under Chhattisgarh Society Registration Act, 1973. The same was registered on March 27, 2014. The institute considers its alumni its assets and ambassadors. The institute strives hard to instil a sense of pride and loyalty in its alumni with the objective of making them emotionally invested in their alma mater's success. Some advantages of active community of alumni: Network Building Making and nurturing connections with alumni have had unexpected payoffs. The alumni association provides a unique opportunity to foster relationships with people who share a common thread, and personal or professional interests. Brand Building With mushrooming institutions, one way for SSIPMT Raipur to stand out from the competition is its alumni support, who contribute to promoting the brand by propagating campus recruitments, academic results, and various career building activities that keep happening in the institute. Skill Building The institution nurtures the alumni association to facilitate them to contribute significantly to the development of the institution through financial and non-financial means. Recent donations from few alumni have been utilized in promoting IPR activities. Career Building Through regular interactions, SSIPMT Raipur keeps track of alumni's progress and identifies alumni to reach out to for mentorship and placements.

File Description	Documents
Paste link for additional information	https://www.ssipmt.com/our-alumni.php
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision: To be a premier technical institute in the country that imparts innovation-driven education to nurture value-based competent future professional.

Mission: The institute will focus on producing competent future professionals by:

- Partnering and collaborating with industry and government in producing new knowledge and addressing socially relevant problems.
- Creating infrastructure and good practices that foster innovation-based education.
- Providing experiences that lead students becoming good engineers.

The Institute Creativity Cell (IIC) works relentlessly to foster student invention. State-level hackathons selected the finest concepts and models for national competition. The students' ideas made it to the finals of Toykathon, a national competition to create indigenous toys. These approaches earned an IIC three-star rating, a B++ NAAC grade, and an ARIIA ranking. Among the top 49 Indian colleges, ours was picked to construct the AICTE - IDEA lab.

Efforts are underway to expand the number of high-paying

internships in 2020-21. Advanced coding, high-level communication, and increased analytical habits are instilled in the most gifted students via sophisticated learner groups.

Introducing Competitive Coding classes and challenges has helped students develop problem solving abilities, learn programming, and expand their coding creativity. Students were encouraged to design, create, and prototype via workshops, seminars, and guest lecturers.

As a result of these activities, students have improved their academic performance, acquired new skills and abilities, fostered a startup culture, and became entrepreneurs. As a consequence, the next generation of engineering students is more focused on job creation than job searching.

File Description	Documents
Paste link for additional information	https://SSIPMT.com/mission-vision.php
Upload any additional information	View File

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

SSIPMT, Raipur believes firmly and practices decentralization or authority and work as well as participative management in all works. The institute has well-defined committees and is in charges of the assigned responsibilities. Apart from that every year at the beginning of the session various portfolios are decided such as anti-ragging, woman anti-harassment cell, faculty and student grievance cell, etc. This decentralization of work and responsibility has worked successfully in achieving milestones. This is evident by the fact that SSIPMT bagged B++ in the first cycle of NAAC. This was possible due to participative management of all departments and various committees

NACC visit to the SSIPMT campus as a case study

On the 5th and 6th of February 2021, the last NACC inspection was conducted, and all faculty, non-teaching, technical, and maintenance personnel worked tirelessly to ensure a positive outcome.

In accordance with the areas of expertise of each faculty, tasks were assigned to them. As a result of these meetings, tasks were divided among the NAAC Coordinators according to their availability and desire to participate. People were assigned to various tasks based on the regions that needed attention. A wide variety of departments were grouped into categories such as Reception and Logistic Services, Fooding, Alumni Gatherings, Housing Cleanliness, Security and Housekeeping as well as Networking and College-Level Documentation.

Everyone pitched in with their best ideas to make the team visit a success. Other than a single, institute-wide gathering, many divisions had their meetings and had great results. Everyone did a great job of taking on this role. The finest contributions were made via actual and virtual gatherings, even though there was a pandemic scenario all over the globe; yet, the aim was attained.

All of SSIPMT's stakeholders contributed to the Institute's achievement, which resulted in NACC B++ certification during its first visit to the Institution. This accomplishment is a consequence of everyone's hard work and dedication.

File Description	Documents
Paste link for additional information	https://SSIPMT.com/our-portfolio.php
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institutional Strategic/Perspective plan is effectively Deployed. The strategic and perspective plan 2019-2024 Over the past 10 years, the institute has shown tremendous growth and to sustain the process, strategies must be formulated and implemented effectively. Perspective/Strategic plan focuses on current trends and disrupting forces in higher and technical education strata which when adopted can show better performance. It assesses stakeholders' expectations, students, faculty members, employers, and the needs of the people of the region. Following plans are projected after proper discussion and considering the short term, medium-term and long term development plans. The institute has a student-centric approach and stakeholders are the final beneficiaries of these developments. SSIPMT's strategic plan includes the following: University-approved curriculum is strictly

adhered to and faculty members and students are encouraged to take up online short-term courses to enhance their skills and technical abilities. Encouraging high-quality research, Industry engagement, Entrepreneurship, Alumni engagement and Social outreach is targeted at helping people of the region. The activities are planned at the beginning of every academic year through the Academic Calendar and suggestions are sought from faculty members. A development plan is a quality initiative that concentrates on the development of the departments in terms of infrastructure, faculty strength, faculty achievement, students' development, and student achievement. The plan is finalized by the HODs of all departments in consultation with their faculty members. This plan is then discussed in the HODs meeting with the Principal, followed by approval from the management. The salient features of the strategic plan are: ? Developing a Multidisciplinary innovation ecosystem, leading to incubation at the institute, project based learning for students. ? Publishing papers in reputed journals by faculty members and encouraging students to do the same ? Presenting projects at reputed institutes by students ? Sponsoring faculty members and students to National/International level events ? Increase the number of Patent filing ? Participation in Conferences ? Sign MoU with industry for training, and interaction, inviting experts for interactive sessions. ? Organize Workshops/Training for Faculty/ Organizing Conferences ? Introduce Certificate/Value Added Courses ? Guest Lecture, Association Activities of respective departments

? Industrial and Field Visits, Alumni interaction ? Purchase of Lab Equipment, Lab Accessories/Tools/Consumables, Software purchase ? Training of Non-teaching staff ? Internships and Industry based projects for students ? Apply for projects from government and non-governmental organizations like TEQIP and DST to name a few The Implementation of these plans has yielded: ? Conducting in-house Hackathons from which selected projects were presented at the national level competitions. ? The number of papers published in reputed Journals has increased manifold and student involvement in this activity has also improved. ? Some of the departments have filed and also received grants for their patents ? More students from the socially deprived section of society were accepted with a minimal fee ? Innovative projects were developed in the institute with the combined efforts of faculty members and students during and post-pandemic period of COVID-19 ? Regular interaction with alumni helped students to decide on their future course of education and profession ? The number of faculty members pursuing the doctoral program, in the institute has increased

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://SSIPMT.com/pdf/6.2.1.pdf
Upload any additional information	No File Uploaded

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

IQAC: The IQAC was established in accordance with NAAC's new rules and is responsible for coordinating all college activities. Decision-making is facilitated by the IQAC's Member of the Institute Governing Body, who represents management in the organization.

Governing Body: The governing body of the institute is formed in accordance with AICTE regulations. Meetings are held on a regular basis to plan for the long-term growth of the institution.

Student Council: College administration and students are connected via the Student Council, which serves as a conduit for communication between the two groups.

Non Statutory Committees and Cells: It is possible to construct non-legal committees to accomplish certain goals, such as an admissions committee, an anti-ragging committee, or an internal compliance committee. According to the AICTE's APH, the AICTE has established a SC & ST Cell, an OBC Cell, and a Grievance Redressal Cell, which meet on a regular basis.

Service rules, procedures, recruitment and promotional policies: The teaching and non-teaching employees are controlled by the service rules and regulations spelled forth in the service book, put forward by the governing body of the trust.

Grievance Redressal Mechanism As mandated by AICTE, online software is used to settle grievances, and the principal/management is responsible for resolving them.

File Description	Documents
Paste link for additional information	https://www.ssipmt.com/governing-society.php
Link to Organogram of the institution webpage	https://www.ssipmt.com/our-portfolio.php
Upload any additional information	View File

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
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File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

SSIPMT believes that providing the best work environment for its workers is the most essential component of a company, and therefore it has well-placed measures that assist both teaching and non-teaching staff members and help them concentrate on their assigned task.

- Employee and family health insurance programmes, such as ESIC and other group insurance plans
- Promotional Bonuses for Management Staff at the Festival
- Faculty members and other staff are eligible for EPF as per the government norms. This includes vacation leave, casual leave, medical leave, paternity leave, and maternity leave of up to 3 months for female employees.

- Part of the final withdrawal is a loan from the Provident Fund.
- Academic leave for the faculty pursuing a Ph.D.
- On duty leave, attending seminars, conferences, and workshops, as well as examination-related activities, is permitted.
- Compensation leaves are granted for working on holidays.
- The Institute reimburses the cost of certification for any certifications that are accepted worldwide. Example: AWS, Salesforce, etc.
- Financial assistance for employees who attend seminars, conferences, and workshops
- All stakeholders have free access to the library.
- In the event of an emergency, the institute offers teaching and non-teaching employees advances or loans against their income without interest.
- First aid and food service, a gym, and a health check-up every few months.
- The children of professors and staff are supported financially and academically in their choice of study at the institution.
- Accessible restrooms, including those with ramps and other modifications for those with disabilities.
- As part of the QIP (Quality Improvement Program) for non-teaching personnel, the institution provides paid time off to take any tests that may help them enhance their abilities and credentials.

File Description	Documents
Paste link for additional information	https://www.ssipmt.com/service-roles.html
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops

and towards membership fee of professional bodies during the year

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

03

File Description	Documents
Upload any additional information	View File
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 programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

4

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

51

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Faculty members of the college include instructional faculty such as assistant professors, associate professors, and professors, as well as administrative and support personnel. Both groups of workers are subject to a separate performance assessment system.

Teaching Staff:

In order to help faculty members, the Faculty Members Institute has developed an appraisal system that includes three parts:

- Faculty members fill in their own details, career progression milestones like publication, FDP attended, patents filed, details of classes taken and other necessary details.
- The second portion calls for the department chair to provide his or her input on each faculty member.
- The third and final part is filled by the principal as head of the institute, and he provides his feedback and suggestions as required.

Non-teaching staff:

Performance evaluation of non-teaching staff is carried out using a structured appraisal questionnaire, which focuses on performance indicators such as teamwork, punctuality, training received,

technical skills, and attendance. Systematic evaluation of the performance of the non-teaching staff is carried out using a structured evaluation questionnaire.

Based on the performance score, the department's head of department recommends corrective actions to the staff.

The self-appraisal forms are collected at the end of the academic year and are filed centrally for each department.

File Description	Documents
Paste link for additional information	https://www.ssipmt.com/service-roles.html
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The institute is governed by the Sri Gangajali Education Society, a not-for-profit trust located in Bhilai, Chhattisgarh. Both trust and the institute believe in maintaining the utmost transparency in all the financial transactions involved and conduct external financial audits to maintain proof in the form of audits and balance sheets.

It is conducted by a firm of chartered accountants appointed by the trust and is entrusted with the task of auditing all the income and expenses and presenting them to the trust for final review and submission for fulfilling financial liabilities as instituted by the government.

The team of auditors provides the institute with a list of documents that are required to conduct the financial audit. These documents are prepared by the accounts department of the institute and filed as per order and are presented to the auditors on the day of inspection.

The team audits the documents, and the final report prepared by the external auditors is then certified and submitted to the trust office for final review. These audited documents are submitted for income tax returns and receive audit reports and balance sheets. The balance sheets are provided to CSVTU with an application of

approval every year.

File Description	Documents
Paste link for additional information	https://SSIPMT.com/audit-reports.php
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0.49

File Description	Documents
Annual statements of accounts	View File
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

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

The Institute is supported by SGEs, a not-for-profit educational society, which does not receive any external grants or donations. For appropriate and proper utilization of resources, the institute has an annual planning and budgeting process.

The institute mobilizes funds from students through tuition, admission, caution deposit, transportation, and hostel fees specified by the CGDTE and the university, and the fund is maintained in various accounts.

The budget is prepared based on annual requirements and submitted to the account section after approval from the management of the institute.

It is used to:

1. Cover all the expenses to be incurred in the academic and administrative development of the next session.

2. Remuneration for teaching and non-teaching staff
3. Furthermore, budget allocation is done for the following:
 - Conducting staff welfare activities
 - An allocation of funds is maintained for infrastructure development and maintenance.
 - For Guest Lectures conducted at both the department and institute level,
 - Eligibility and enrolment fees at universities and DTEs
 - To enhance library facilities like subscriptions to books, journals, magazines, and newspapers each year.
 - Auxiliary activities like water proofing, security, and other maintenance work.
 - Additionally, a separate corpus of funds is always maintained for any unattended or unplanned expenses incurred as per need.

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

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly to institutionalizing the quality assurance strategies and processes

Response:

Internal Quality Assurance Cell (IQAC) In pursuance of the National Action Plan of the National Assessment and Accreditation Council (NAAC), Bangalore, for performance evaluation, assessment and accreditation, and quality up-gradation of institutions of higher education, the Internal Quality Assurance Cell (IQAC) has been established in the College

IQAC is one of the major policymaking and implementing cells of the institute. It strives hard for upgrading the quality of education being imparted and to ensure that all support facilities are established to meet the standards of higher education and the growing need of students. Further IQAC has contributed significantly to institutionalizing the quality assurance strategies and processes and carries out activities that encompass all aspects of the Institute's functioning.

Since its establishment, IQAC has been performing the following tasks regularly:

1. Improvement in quality of teaching and research by regular inputs to all concerned based on feedback from students.
2. Providing inputs for best practices in administration for efficient resource utilization and better services to students and staff.
3. Providing inputs for Academic and Administrative Audit
- 4 Analysis of results for improvement in areas found weak.
5. Amending and framing of new policies for stakeholders.

The Institute IQAC prepares, evaluates, and recommends the following for approval by the relevant Institute and Govt. statutory authorities:

- (a) Annual Quality Assurance Report (AQAR)
- (b) Self-Study Reports of various accreditation bodies (ISO 9001, NAAC, NIRF, NBA, ARIIA)
- (c) Stakeholder's feedback and action taken reports.
- (d) New Programmes as per National Missions and Govt. Policies

The two examples of practices institutionalized as a result of IQAC initiatives are as follows:

1. The IQAC led efforts to the successful implementation of modern technology in the Institute's administrative functioning through ICT and alternative sources of energy, the establishment of the second solar power plant in the institute enabling to have a strong step towards green and

clean energy sustainability. Automation of admission, financial and examination processes, up-gradation of Wifi and LAN facilities, have significantly contributed to an enhanced quality of teaching-learning experience.

2. IQAC has enhanced a good research and development culture at the institute. IQAC encouragement and guidance has led to the increased number of the research paper published by students and faculties in the journal of repute (SCI/Scopus). The motivation for the same has been established by providing financial rewards to faculties. The number of patents filed and published/granted has been increasing in each department.

File Description	Documents
Paste link for additional information	https://www.ssipmt.com/pdf/iqac.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The IQAC of the institute acts as a lighthouse for quality initiatives and implementation. It continuously reviews and takes steps to improve the quality of the teaching-learning process and the methods of delivering quality education. At the onset of the academic session every year the Academic Calendar is prepared in advance in consultation with all departments and is displayed at all salient places and website of the Institute

IQAC conducts an induction program for all newly admitted students in the first year as well as for students moving to higher semesters. By this, the students are made aware of the vision/mission and philosophy of the institute. They are made aware of the uniqueness of the teaching-learning process of the institute. IQAC maintains a system for continuous evaluation of programs, various curricular and co-curricular activities, discipline, and culture of the Institute. The IQAC frames and monitors the activities of various portfolios of the institute. IQAC conducts SSS survey and collects feedback from stakeholders of the institute and steps are taken to enhance the teaching-learning process. The IQAC conducts periodic internal audits for assuring

the quality culture in the institute. External audits like AAA, Green, energy, and environmental audits are conducted. The IQAC performs the amendments in the CO and PO as per the changes in the university curriculum/AICTE model curriculum. the IQAC ensures that the industry and institution gap is at a minimum and for this webinars and workshops are conducted where in experts from various domains are invited to deliver the lecture and hands-on training to students.

the major initiatives taken over include the.

following:

- Automation of Admission Processes - Provision for online fee payment
- Automation of Examination Processes
- Green initiatives in Campus - tree plantation, botanical garden, solar

photovoltaic power plants, etc.

- MoUs with prestigious Institutes, Universities, Govt. agencies
- Applications for NIRF, ISO, NAAC and NBA Certifications

File Description	Documents
Paste link for additional information	https://www.ssipmt.com/pdf/igac.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://ssipmt.com/naac.php
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	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

In the Institute for the promotion of gender equity and sensitization we have some exclusive facilities and specified action plan for the female stakeholders of the institute. Following list contains the facilities exclusively available for females in the institute: ? In every building and at each floor Girls wash rooms are available. ? Girl's Common room with all the basic facilities with attached washroom and a bed is available in the Institute. ? Sanitary pads vending machine and dispenser machine is available in the Institute. ? Female helpers are employed for the safety of female students. ? Women grievance cell to resolve women related issues. ? Provision of three months paid maternity leave. ? Early leave facilities for new mothers to take care of their babies. ? Equal opportunities to the males as well as females in every task.(e.g. One male and one female class representative).

Regarding annual action plan, In the institute every year on 8th of March (i.e. on the occasion of International Women's Day) we celebrate by having various cultural programs, games and also we try to invite eminent women achievers in their designated field to motivate and educate about their rights at home, at work and in the society.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.ssipmt.com/virtual-tour.php

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	A. 4 or All of the above
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File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	No File Uploaded

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

Waste Management at Campus Our Institute is extremely focused on waste management and involves necessary efforts towards a sustainable environment and its growth. The institute has a well-defined mechanism for waste disposal. Students and staff members on regular basis take care of the surroundings in different ways which are as follows: 1. Solid Waste Towards Solid Waste Management,

The institute has taken the following steps: • Prohibited the use of plastic bottles, plastic bags, and other disposables in the cafeteria and creative crafts • Reduce plastic usage to the minimum essential, on and off the campus. • Any green waste from the kitchen and leftover food from the mess is put inside a pit so that it can be used as manure. • Made provision for segregating dry waste like paper, plastic, and metal waste, which is given to vendors outside the campus for recycling.

2. Liquid Waste • SSIPMT has its septic tanks and soaks pits to

take care of wastewater generated at the campus.

3. E-waste management • Institute takes efforts to minimize e-waste. • Regular maintenance by technical staff and reutilization of spare parts of discarded electronic devices is common. • Non-functional computers, monitors, and printers are discarded

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

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

A. Any 4 or all of the above

File Description	Documents
Geo tagged 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:

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

A. Any 4 or All of the above

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

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

7.1.6.1 - The institutional environment and energy initiatives 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	A. Any 4 or all of the above
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	A. Any 4 or all of the above
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File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	View File
Any other relevant information	No File Uploaded

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

SSIPMT Raipur staunchly believes in unity in diversity. It has an amalgamation of students belonging to diverse socio-cultural and economic background, regions, religions, languages and castes. The institute respects this diversity and treats all equally, without any discrimination to foster harmony and unity. It celebrates all national festivals like Independence Day, Republic Day and birth anniversaries of great personalities, Teacher's Day, Engineer's Day, International Women's Day etc. During the session 2020-2021, activities like Yoga Day, Mental Health during Covid Times, How to Overcome Distraction during Studies, C.G. State festival Hareli etc. were organized virtually. The institute in association with Spic Macay organised 'Virasat' a virtual program to honour the cultural heritage of India. The NSS Wing of the institute organized virtual story-writing competition, drawing competition, cultural programs, vaccination drive etc. during the session 2020-2021. Various departments organized webinars on topics related to technical, current and social issues to create awareness among students and faculty.

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

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

SSIPMT sensitizes its students and employees to the constitutional obligations about values, rights, duties, and responsibilities of citizens which enable them to conduct as a responsible citizen. The institute provides a supportive and accessible learning environment to equip students with the knowledge, skill, and values that are necessary for livelihood and life. These elements are inculcated in the value system of the college community. The college establishes policies that reflect core values. Code of conduct is prepared for students and staff and everyone should obey the conduct rules. The affiliating University curriculum is framed with mandatory courses like Culture and Constitution of India, Soft Skills and Personality Development and Value Education, as a small step to inculcate constitutional obligations among the students. The institute conducts awareness programs on Cleanliness, Swachh Bharat, and Blood Donation camp, etc. involving students. The NSS unit successfully conducts activities to serve society. The Induction Program for First-Year Students incorporates activities on Universal Human Values. Guest lectures and workshops and literary competitions like Elocution, Debates, and Group Discussions, etc. are conducted to help students imbibe ethical values and know about their duties and responsibilities as a citizen of India.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	Nil
Any other relevant information	https://csvtu.ac.in/ew/programs/btech%20scheme/Updated/Scheme/new_scheme_21/Mechanical%20Engg-converted.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

B. Any 3 of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

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

Gender equality is one of the key challenges facing society today. The institute conducts regular gender equity promotion programs. Guest speakers from prominent field are invited to speak on the given topic which highlights the importance and contribution of women in the society. SSIPMT has a strong ethical work culture that is based on inclusivity. It observes highest ethical standards in all its activities. Equal opportunities are provided to all individuals irrespective of gender, race, caste, color, creed, language, religion, political or another opinion, national or social origin, property, birth or another status. SSIPMT has been successful in caring for its diverse students and staff population harmoniously in its efforts to steadily achieve its vision and mission. This is also evident from regular feedback from all its stakeholders.

Additional initiatives ensure active participation of students in co-curricular activities including sports as it is a compulsory core course in all UG programs and also at interfaculty, inter-faculty and inter-university levels. As part of NSS activities, free educational camps are organized fortnightly in neighboring villages, which help transform rural women by building awareness about health, hygiene, and the importance of child education and provide a launching pad to induct them into vocational skilling.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice I

Title of the Practice: Multi-Disciplinary Research Activities

Objective of the Practice

SSIPMT is ardent champion of innovation and creativity. It has been able to create a sustainable system for research and innovation with the active involvement of the management. The prime objective of the practice is to create engineers that help solve social problems and make them responsible professional. It also helps students in establishing their own startups and developing products. Students participate in Smart India Hackathon, Tech Fests, Workshops and other R&D activities within and outside the institution. It helps students create intellectual property and patents.

The Context

The institute believes that solving a real life problem requires multi-disciplinary research activity. Therefore, SSIPMT focuses on incubation and product development so that students and staff can take up socially relevant problems and can apply their engineering skills by developing products. The faculty and students are constantly in touch with the various stakeholders so as to keep themselves updated with the societal challenges and issues. Under the mentorship of faculty the team of students assess the problem and using their technical knowledge provide the solutions. The students thus gain hands on experience to think, design and develop products. Such initiatives have given a stimulus to experiential learning, and added enthusiasm among students.

The Practice

SSIPMT's pedagogical vision and focus on outcome based education has helped students develop their engineering skills. The ecosystem created by the institute to connect the students with the society and experience the social problems has encouraged students and faculty to take up product development that address the social issues. Some of the activities undertaken in this context are as follows:

a. Hackathon: SSIPMT students were among the top ten positions in Smart India Hackathon 2018 held at Coimbatore, Tamil Nadu. Our students got the opportunity to interact with Hon'ble Prime Minister, Shri Narendra Modi through video conferencing and got accolades. The institute had organized the maiden state level Hackathon 'Navonmesh 2019' in collaboration with Chhattisgarh Swami Vivekanand Technical University. Overwhelming participation of the students from various technical, non-technical institutes and schools was observed and cash prizes worth one lakh were given to the winners. Industry leaders and academicians judged the participants. It provided an opportunity to students to showcase their innovative products and solutions to the outer world.

b. Life-Easing Products :Students through their interaction with the society identified various hurdles in their day to day affairs. Students were inspired to solve their problems and they conceptualized and developed life easing products. While developing such products students got insight into key issues in product development. The prominent products developed by our students are:-

- E-Dustbin: Exclusively designed and developed by our students wherein the lid of the dustbin open automatically when approached by the person thus preventing him/her from touching the contaminated lid of the dustbin.
- Prosthetic Hand: Students have created a prototype of prosthetic hand especially designed and developed through inhouse 3D printer to help people with full or partial hand loss retain the function and appearance of a regular hand at a very low cost.
- Low-Cost Air-conditioner: The students under the guidance of a faculty have designed and developed a low-cost Air-conditioner to make it affordable for the masses.
- E-Vehicle: Our students have developed an indigenous E-vehicle. It can attain the speed of 60 km/hr and can run for 90 km in one charge.

- **Wet and Dry Waste Segregator:** The product enables the segregation of wet and dry components of the garbage. It solves a daunting social problem of segregating the waste before managing it. The wet component can then be converted in to manure.
- **Smart Wheelchair:** It is a boon for physically challenged people who are confined to their wheel chairs. The wheel chair provides the motion control through the hand gestures and retina movement.
- **Smart Aquarium:** A smart aquarium has been designed and developed which automatically controls i) feeding of the fishes at particular time of the day, ii) Switching of on/off of the lights of aquarium and controlling of the oxygen pump.
- **Smart Blind Stick:** A valuable product for visually impaired persons has been developed by the students which detects the obstacles in way and intimates the person through a buzzer.
- **Solar Panel Cleaning System:** A 2 dimensional automatic solar panel cleaning system has been created .
- **Blind Boot :** It is an IoT product for visually impaired where the boot sensors detect the end of the surface and edges of the floor and intimates the same to the person with a hooter. Thus saving the person from falling and getting injured.
- **E-chhatri:** Small and innovative contribution of SSIPMT Raipur towards social distancing who developed an "E-Chattri". The person holding E-Chattri will be surrounded by a circle having a radius of approx 2m keeping him at a considerable distance apart from others. The initiative taken up by members of Colonbreakers will help prevent the spread of Covid19 by raising awareness about social distancing.
- **Semi-Automatic Ventilator:** SSIPMT Raipur has another small contribution to the world "Semi-Automatic Ventilator" designed by faculty. This working project is crafted as a mobile machine that will be useful for Ambulance as well as remote location availability
- **Automated sanitizing tunnel:** SSIPMT Raipur comes up with an automated sanitizing tunnel using limited resources during lockdown as its contribution towards the fight against COVID19. The tunnel can sanitize five persons in a minutes as soon as a person enters. We at SSIPMT always strives to give the best to the society and have come up with this innovation in the hour of need.
- **UV Touchless Sanitizer :** UV - C lamp offering which uses the UV- band to disinfect the products exposed to it. The UV

Lamps based disinfection unit can be used in Homes/Retail/Offices conveniently within 2 to 8 minutes. It kills 99.99% Germs when used for the recommended time.

- Direct Splash Face Shield: SSIPMT comes up with another small contribution towards society that is "Direct Splash Face Shield" costing just Rs. 20. The shield has been designed using a 3D Printer, also developed indigenously at SSIPMT Raipur.

C. IDEA LAB: AICTE-IDEA (Idea Development, Evaluation & Application) Lab is being established at Institute for encouraging students for application of science, technology engineering, and mathematics (STEM) fundamentals towards enhanced hands-on experience, learning by doing, and even product visualization. IDEA Lab will make engineering graduates more imaginative and creative, besides getting basic training in the 21st-century skills like- critical thinking, problem-solving, design thinking, collaboration, communication, lifelong learning, etc

- Multidisciplinary Innovation Ecosystem: multidisciplinary research has been getting more traction with many innovations happening at the boundaries of different fields. So it is necessary to create conversations across different disciplines to identify new areas of research and innovation. Hence SSIPMT creating more forums and opportunities for researchers in different fields to interact and engage, to drive more innovation.
- PROJECT-BASED LEARNING: Project-based learning is an instructional method in which students learn a range of skills and subject matter in the process of creating their projects. Sometimes, these projects are solutions to a real-world problems. But what is most important in project-based learning is that students learn in the process of making something. They work in groups and bring their own experiences, abilities, learning styles, and perspectives to the project. At SSIPMT we found that the Outcome of PBL is not only a product but students also file a Patent and publish it in journals.
- DRONE CLASSES: Drones are unmanned aerial vehicles capable of handling a variety of tasks. SSIPMT offers a learning platform for drone classes where students can study what goes into building a drone or understand how drones fit into specific industries

Evidence of success

The success of the institute in multi-disciplinary research is evident from the various awards won on different platforms. The list is given below:

- SSIPMT was awarded the Best Emerging College and Unexceptional Placements by the honorable Chief Minister Dr. Raman Singh.
- The institute was awarded Best Technical Campus in Chhattisgarh at the Think India Education Summit, 2015.
- The institute was awarded Chhatra Vishwakarma Awards 2018 Regional Competition, Bhopal for designing and making of Active Prosthetic Hand.
- A project of TATA Ltd. has been completed for the design of the nozzle for surge tanks.
- The institution makes all provisions for students and faculties to participate in research projects collaboratively. Presently, 21 collaborative research projects under TEQIP - III in various departments are in progress.
- IIC is an initiative by the ministry of education, and it was established in collaboration with the All-India Council for Technical Education. It aims to promote and advance innovative practices amongst higher educational institutes in the country. SSIPMT upgraded to a four-star rating for 2020-21 from a nationwide ranking for higher education institutes previously it 3-star ranking.
- Institute encourages its faculty & Students to file patents. R&D Cell conducts patent awareness workshops. Institute has a policy for intellectual policy. A process for filing patents has been established due to which many Patents have been filed & Grants received from Indian & other International agencies.
- The Institute has an entrepreneurship development cell and also offers many short courses on entrepreneurship & Startups. This results in four startups till now & many in the pipeline.

Problems Encountered and Resources Required:

As SSIPMT is still in its infancy stage of development, the resources required for multidisciplinary were a challenge. Students and faculty were to be provided exposure and guidance for product development. Therefore, SSIPMT created an ecosystem that enabled and motivated them for frugal innovation and product development.

The R&D ecosystem of the institute provides a platform for students and faculty members for taking up new challenges through projects and have experimental learning.

BEST PRACTICE - 2 Title of the Practice: 'Industry Ready Professionals' pedagogy powered by meaningful association with corporates
Objectives: Since its inception, our prime objective has been to enable each student to secure an offer letter from one of the leading companies that hire fresh engineering graduates, before they pass out from the institute. We are fully aware that this is indeed a herculean task, and also needs to factor in the individual aspirations of the students, but the intent behind this objective is to enable each one of them to either start a meaningful career or pursue higher education from a leading academic institution, post the completion of engineering studies. To achieve this objective, we adopt a pedagogy that instills in them the required graduate attributes.
Context: Since the beginning, we foster the dream of raising our students in such a way that they become Income taxpayers as soon as they pass out from the Institute and thus contribute their bit to the Nation's prosperity. Additionally, there have been myriad reports highlighting the lack of basic employability skills in engineering graduates.
Practice: On a careful analysis of what is it that the corporates expect in a fresh engineering graduate apart from the graduate attributes of NBA, we could deduce the following things that we have incorporated in our pedagogy for the students:
1. Campus Recruitment Preparedness - we impart Campus Recruitment Training which entails training on aptitude and soft skills. We also conduct a regular evaluation to check the progress of every student.
2. Hands-on Exposure to Technology/ Processes - We have signed up MoUs with one or the other leading corporates for every course/ branch in the institute. This brings in a lot of industry-relevant exposure for the students and thus helps bridge the gap between theory and practice to some extent.
3. Employability Tests - The T&P department of the institute works closely with assessment companies through which such tests are made available to students. Through such tests, students get the opportunity of being a part of the selection procedure of a lot of companies.
Evidence of success: The evidence lies in the quality of offers that our students have been receiving year on year. Be it placements, or internships, our students are getting offers from companies that are not known to recruit from institutes except IITs or NITs. Also, the CTC that some of them are bagging is suggestive of the same. However, it is unreal to expect a linear trend as it also depends on factors such as:
1. Yearly hiring

trends of the corporates. 2. Aspirations of the students. 3. Quality of students taking admission to the institute. Problems Encountered and Resources Required: Over the years, we have noticed that every classroom typically exhibits a Bell curve when it comes to plotting the learning abilities of students. That said, every class has students with diverse abilities, interests, and profiles. This and the other problems renders us with a variety of challenges in making ends meet. Enlisted below are the problems encountered: 1. Aligning a class for achieving common goals. 2. Financing a variety of training needs from internal funds. 3. Exposing students to real problems encountered in the industry. 4. Lack of internship opportunities in the State. 5. Lack of appropriate placement opportunities for students of Civil and Mechanical branches. To be able to ward off issues faced by the challenges faced, we employ a mix of resources to be able to achieve the objective. Resources utilized include: 1. Quality learning inputs from MoU partners such as Nvidia, Tessolve Semiconductor, Automation Anywhere University, Code Quotient, etc. 2. Association with assessment companies such as My Anatomy, and Aon Cocubes. 3. Using diagnostic employability tests offered by First Naukri, Wheebox, and the likes. 4. Promoting online certifications among students. 5. Incorporating additional courses into the syllabus. 6. Setting up of Institution's Innovation Council (IIC) and EDC in the institute 7. Promoting students' participation in hackathons and Toycathons. 8. Organizing a variety of competitions and events for students.

File Description	Documents
Best practices in the Institutional website	https://www.ssipmt.com/naac.php
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Shri Shankaracharya Institute of Professional Management Technology strives to inculcate in its students the spirit of service along with professional/ technical skills for their overall development. Following attributes are instilled in the students over their tenure of studies in the institute: Ethics and Virtues The virtues of trust, respect, individual self-determination, and obedience encourage social and economic

exchange as well as production and entrepreneurship.

We keep guiding our students to be ethical in their academic work as well as future careers. Community Outreach Through the Community Outreach programs in the form of NSS, UBA, SBA we teach our students how to give back to society. We make students volunteer their services in the local vicinity to create awareness about health, hygiene, literacy, water conservation, etc. Nation Building Students are taught that they need not become a soldier to contribute to the country. A taxpaying, rule-abiding citizen contributes equally to nation-building. Thus, if the students are serious and sincere towards their careers, they can surely contribute their share towards paving the nation on the path of progress and development.

The students are given a vivid understanding of current environmental/ contemporary issues and through its various efforts such as energy conservation, solid waste management, rainwater harvesting urges them to become eco-friendly citizens. The institute makes relentless efforts towards empowering the girl students, in particular, for making them contribute equally towards national development. The institute strongly believes that entrepreneurs help drive change with innovation where new and improved products/ services enable new markets to be developed. Through the EDC in the institute, we foster the same spirit in our students. We inculcate in our students the urge for continuous self-development so as to achieve the right mix of personal and professional goals throughout their active work life.

Restoring and maintaining the health of renewable and non-renewable resources are the key elements of sustainable development. We make our students realize the imperativeness of the 3 R's- Reduce, Reuse and Recycle. The institute believes it is not enough for a student to decide that he/ she want to be a leader. The institute teaches them that leadership skills are not inherited, they have to be developed consciously over time, by working in teams and groups. A student should understand the importance of fundamental aspects such as Communication skills, Decision-making skills, Organizing skills, Action planning, Strategic thinking, Risk management, etc. Secular Ethics is another thrust area of the institute. We imbue in our students a secular attitude wherein multi-racial and multi-religion compatibility is taught and developed in the students. The institute creates an environment for students to feel that they are valued members of the SSIPMT fraternity. This feeling of oneness helps students perform better academically and are more

motivated to learn. Similarly, we make them feel connected with their native land so as to contribute to the local

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

Future Plans of Actions for Next Academic Year

Institute has been initiating and implementing various activities to assure and improve quality and excel in the different aspects of academics, innovation/startups/entrepreneurship, co-curricular and extracurricular activities, faculty development, and addressing societal issues. Another aspect, institute is focusing on product development through a robust multi-disciplinary innovation ecosystem among the students and faculty of the institute.

Aligning with the vision, mission, and core values, the institute has planned for the following initiatives for the next academic year (2021-2022):

1. To apply for NBA Accreditation for UG program in civil engineering and PG program in MBA. Also, two UG programs in Computer Science & Engineering and Mechanical engineering will submit compliance reports for extension of previous NBA certification.
2. Institute plans to start more UG programs in emerging areas such AI, ML, IoT, Block chain, cyber security etc.
3. Currently, the institute is NAAC accredited with a "B++" grade. With an aim to obtain autonomous status the institute will reapply for NAAC peer team visits for achieving "A" or higher grade.
4. Institute is planning to organize an AICTE/State University-sponsored International Conference.
5. Institute is planning to organize an AICTE/State University-sponsored TTP/FDP/STTP.
6. Institute will apply for the Establishment of the AICTE-IDEA (Idea Development, Evaluation & Application) Lab to enhance the project-based learning ecosystem.
7. Institute aims to promote research-based innovation, filing patents, publishing research papers in SCI/WoS/Scopus/UGC-

Care journals of repute.

8. MoUs with industry, in the present scenario imperative. This will foster industry-academia linkages, resulting in industry-ready graduates. Hence institute aims to sign MoU with esteemed organizations and companies in and outside India.
9. To participate and achieve higher ranks in IIC, ARIIA, and NIRF than the previous year ranking.
10. To address the gap between the university curriculum and requirement of Product based companies are poles apart. The institute aims to fill this gap through collaboration with training agencies/companies to upskill the students.
11. Starting certificate courses/programs in emerging areas through the AICTE-KARMA program.
12. Entrepreneurship Development Cell activities will be enhanced to encourage students to establish more startups.
13. To set up a new AI-based laboratory in the advanced research area.