



YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

Part A	
Data of the Institution	
1.Name of the Institution	SHIVALIK COLLEGE OF ENGINEERING
• Name of the Head of the institution	Dr. PRAHALAD SINGH
• Designation	DIRECTOR
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	9997155111
• Mobile No:	7900800057
• Registered e-mail	director@sce.org.in
• Alternate e-mail	iqac@sce.org.in
• Address	Shimla Bypass Road, Shiniwala, Sherpur, Deharadun
• City/Town	Dehradun
• State/UT	Uttarakhand
• Pin Code	248197
2.Institutional status	
• Affiliated / Constitution Colleges	Affiliated
• Type of Institution	Co-education
• Location	Rural

• Financial Status	Self-financing				
• Name of the Affiliating University	Veer Madho Singh Bhandari Uttarakhand Technical University Dehradun				
• Name of the IQAC Coordinator	Dr. Abhishek Kumar Jha				
• Phone No.	8236823641				
• Alternate phone No.	8236823641				
• Mobile	8236823641				
• IQAC e-mail address	iqac@sce.org.in				
• Alternate e-mail address	abhishek.jha@sce.org.in				
3.Website address (Web link of the AQAR (Previous Academic Year))	https://shivalikcollege.edu.in/naac-a-college/				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://shivalikcollege.edu.in/academic-calendar/				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A+	3.38	2023	10/06/2023	09/06/2028
6.Date of Establishment of IQAC			14/01/2019		
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	
Nil	Nil	Nil	Nil	Nil	
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	
<ul style="list-style-type: none">Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Nil	
<ul style="list-style-type: none">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	
<ul style="list-style-type: none">If yes, mention the amount		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
1. Provide training of Outcome Based Education(OBE) and Implementation of OBE in institute.		
2. Audit and Renewal of Green Certificates, ISO Certificates		
3. Creation of Revised Student Manual.		
4. Conducted Academic & Administrative Internal & External Audits of departments.		
5. Organized various FDP, workshop for faculty and staff members.		
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
Preparation of Programme & course outcomes	The institution has prepared programme outcomes (POs), Programme specific outcomes (PSOs) and Course outcomes (COs)
Gender Audit, Energy audit, Green Audit of the institution 2023-24	Conducted Gender audit (with ICC), Energy audit and Green of the institution separately. The reports prepared and evaluated from external committees with certification. The action taken reports of previous academic year reports included in the current reports. Each report uploaded on the institution website.
Conducted Academic and Administrative Audit (AAA)	The Academic and Administrative Audit (AAA) 2023-24 of the institution conducted and both internal as well as external evaluation committee audited the reports. Both reports uploaded on institution website for stakeholders.
Student Induction Programme	The IQAC conducted online Student Induction Programmes per UGC guidelines. All first year students attended the SIP and submitted the feedback.
Recommended and organized various activities/ Events / programmes	1. Faculty Development Programme on Outcome Based Education and its implementation 2. Student Induction Programme 3. Design Thinking Workshop for Faculty 4. Book Donation Campaign 5. Academic & Administrative Audit 6. Women Safety Audit 7. Energy and Green Audit 8. IQAC Newsletter Publication
13.Whether the AQAR was placed before statutory body?	Yes

- Name of the statutory body

Name	Date of meeting(s)
Board of Management	30/12/2024

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2022-23	19/03/2024

15. Multidisciplinary / interdisciplinary

To grow the all-round abilities of the students like intellectual, artistic, social, physical, demonstrative, and decent in an organized manner, the college is about to preparing to include multidisciplinary subjects as per the National Educational Policy 2020. Considering the problems the students face, the college plans to set up short term and value-added courses. To make the students encouraged, so that they do not need to depend on Government jobs but instead overlay a way towards self-employment. As the College is preparing itself to have more of multi-disciplinary subjects it tries to identify the programme learning outcomes along with courses and unit learning outcomes that describe the exact information, skills, attitudes, and values that are to be learned by the student and would confirm that each programme reaches its goal. The Vision of National Education Policy, to provide high quality education to every student in an incorporated manner, is well taken by the college. Moreover, Uttarakhand being the first state to implement NEP 2020 in India, the college has taken various steps to make NEP 2020 successful. The college has implemented a NEP based curriculum in the first year as directed by Uttarakhand Technical University (UTU). In order to introduce a Multidisciplinary / Interdisciplinary curriculum in higher semesters i.e. 2nd Semester to 8th Semester, the college constituted the committee headed by the Director. On the committee's recommendation, the college has introduced various multidisciplinary certificate courses in emerging technologies. The main aim of such courses is to make the students not only intellectually equipped for the competitive world for getting jobs but also, they can find a way towards self-employment. In view of the NEP, the college has initiated new interdisciplinary centres integrating different departments at one place. The objective of this centre is to provide the collective learning approach to achieve the NEP 2020 goals.

16.Academic bank of credits (ABC):

As per the guidelines issued by AICTE (Ref. NeGD/05-01/2022 dated 16th August 2022) and the guidelines issued by UTU (affiliating university) on dated 31st August 2022 vide Ref.1574/UTU/DigiLocker_Id/ABC_Id/2022-23, the college has created Academic Bank of Credit ID (ABC ID) for all students studying in 1st Semester. The digiLocker Id for all students has been created. The Academic Bank of Credits (ABC) will digitally store the academic credits earned by students. A committee under the Chairmanship of Controller of examination is constituted to sensitize and facilitate students to choose their own learning path to attain degree/Diploma/Certificates, working on the principle of multiple entry-multiple exits as well as any-time, any-where, and any-level of learning.

17.Skill development:

Realising the importance of skill education as the need of the hour, the Shivalik College of Engineering (SCE) has planned and executed skill development initiatives across all the Engineering Departments. However, being the affiliated Institute, the restrictions in developing the regular course curriculum bound the institution to run such programs as additional value-added courses. All our Engineering departments have signed MOU with training partners and various industries to upskill the students in the emerging areas of their disciplines. Some of the areas where we skilled up the students are: Web development technologies, Staad Pro design, Arduino platform, MATLAB Applications (Simulink), CAD & 3D printing, CNC Programming, Automobile Engg. (by BMW) etc. Python Programming, AWS cloud Certifications. The institute has also set up a high speed computing lab for skilling up students in the area of cloud computing, Internet of Things, AI & ML, data Sciences to name a few. To provide support and make these courses truly industry relevant, MOUs have been signed with several organizations. To strengthen our students' communication skills as per the corporate needs, Shivalik College of Engineering runs the regular communication skill classes for all the students from the day of entrance into our campus. SCE regular personality development programs for all semester students and also run interview skills and aptitude training for pre-final and final year students.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

The official language of content delivery at Shivalik college of Engineering is English as per statutory requirements, but in order

to make students coming from rural and vernacular backgrounds comfortable, the faculty regularly route to local languages (particularly Hindi) as and when required in an informal manner. Hopefully, with NEP 2020, and country-wide drive to write books in vernacular languages, in future sufficient academic resources will be available to officially teach in the mother tongue of the students.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

As a part of its initiative to acquire the quality education and to focus on transformative learning, Shivalik College of Engineering has adopted Outcome Based Education (OBE), wherein the CO's and POs are mapped after every semester. The attainment on a scale of 1 to 3 (1 being lowest and 3 being highest) is analyzed. College has also tried to bridge the gap of CO-PO attainments by arranging expert talks/ expert lectures, seminars/conferences relevant to the field of Engineering and are beyond the scope of the curriculum. The department advisory committee (DAC) analyses the CO-PO attainment results. The committee calculates direct and indirect attainments using the predefined methods i.e. defined by NBA and NAAC guidelines. The indirect attainments are preferably calculated from surveys amongst the stakeholders.

20.Distance education/online education:

Shivalik College of Engineering is all set to provide online education since the start of Covid -19 pandemic. Our Institute is prepared to engage classes, conduct conferences and meetings in online mode. The Institute also believes that online education has broken the geographical barriers resulting in widening the possibilities of interaction of experts and students from distant geographies. This has paved the way for adopting a hybrid mode of education in times to come. Due to the experience gained during the closure period of Covid-19, access to online education by educators and students will now have no constraint anymore. Faculties and students are encouraged to take MOOC (SWAYAM/ NPTEL) courses every semester. Students of 1st year where Choice Based Credit System (CBCS) has been implemented from the current session i.e. 2023-24, the earned credit through MOOC courses can be transferred to their Academic Bank of Credit (ABC).

Extended Profile

1.Programme

1.1

295

Number of courses offered by the institution across all programs during the year	
File Description	Documents
Data Template	View File
2.Student	
2.1	900
Number of students during the year	
File Description	Documents
Data Template	View File
2.2	100
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	
File Description	Documents
Data Template	View File
2.3	123
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	93
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.2	93
Number of Sanctioned posts during the year	

File Description	Documents
Data Template	View File
4.Institution	
4.1 Total number of Classrooms and Seminar halls	45
4.2 Total expenditure excluding salary during the year (INR in lakhs)	1184.23
4.3 Total number of computers on campus for academic purposes	712

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

For effective curriculum delivery, the following initiatives are taken:

- The curriculum is carefully crafted to support the syllabus contents and industrial/practical exposure to provide a congenial environment for academic excellence. The prime focus is maintained on efficacy of delivering methodologies.
- Subject wise course files are prepared which contains course scheme and syllabus, course plan & coverage, list of books required, CO-PO-PSO mapping, tutorial sheets, midterm & university question papers, assignments, subject notes and handouts etc. as per the need prerequisite courses are discussed.
- To fill the gap between curriculum and industry needs, Student training, expert lectures of industry and academic experts are arranged on a regular basis.
- Academic activities beyond the curriculum are regularly planned. The activity calendar is prepared by each department in synchronization with the Institute's and University academic calendar.
- Institute follows a practice of conduction of Internal Academic Audit through IQAC to probe the effectiveness of

teaching-learning methodologies.

- Several activities like conferences, seminars, workshops, expert lectures, webinars, STTPs, FDPs etc are organized throughout the year to connect faculty and students with the latest ongoing trends and practices.
- To improve self-learning flip classes, role play, experiential learning classes etc. are conducted for the students.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://shivalikcollege.edu.in/wp-content/uploads/2025/01/SCE-Register-for-THEORY-Course_compressed.pdf

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

The college adheres to academic calendar provided by the University for Conduction of continuous internal evaluation system. The academic calendar includes the dates of commencement and completion of syllabus, schedules of internal exams etc. It specifies the dates of term end examination. Tentative dates of practical exams and viva-voce and theory examinations are also given in academic calendar. The time tables are prepared and implemented accordingly. The teachers prepare teaching plans according to the academic calendar and guidelines of the College. The schedule of external examination is fixed by the University and the same is displayed on notice board for students. In case of any change in the University schedule, some changes are required to be made in internal evaluation as well. These changes are communicated to the students well in advance. However, all efforts are made by the College to adhere to the academic calendar for CIE. The regular monitoring is done by the IQAC. Based on these review meetings some changes in schedules of activities are made if required. Further, extra lectures are scheduled to complete the syllabus before university examination.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://shivalikcollege.edu.in/academic-calendar/

1.1.3 - Teachers of the Institution participate in A. All of the above 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

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

6

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	View File
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)

28

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

561

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

561

File Description	Documents
Any additional information	View File
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

Shivalik College of Engineering (SCE) offers courses relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability as per the curriculum of university. The SCE organizes seminars, workshops, camps at regular intervals under the banner of Internal Complaints Committee (ICC).

- Environmental Sciences in B.Tech I yr II Semester
- Universal Human Values in B. Tech II yr (all branches)
- Environmental Engineering-I in B. Tech III yr, Civil Engineering
- Environmental Management & Sustainable Development (Open Elective)
- Environmental Impact Assessment in B. Tech III yr, Civil Engineering
- Ground Water Engineering in B. Tech IV yr, Civil Engineering
- Renewable Energy Technology in B. Tech III yr Mechanical

Engineering

Institute integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the curriculum. Environmental Sciences as a course is integrated in B. Tech first year programme by university. Gender Sensitization, though not a part of curriculum, we at SCE understand the institutional responsibility of promoting such issues among stakeholders, for that we organize seminars, awareness camps. Nukkad Natak, plays and such other related activities at regular intervals.

File Description	Documents
Any additional information	View File
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

38

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	View File
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

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

548

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	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	View File

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

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://shivalikcollege.edu.in/quality-cell/igac-shivalik-college-of-engineering/stakeholder-feedback-sce/

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 sanctioned seats during the year

360

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

38

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

Advanced learners and slow learners are identified based on involvement in the classroom, performance in previous university exams, and the first internal test. Students who scored marks

below 50% are categorized as slow learners and those who scored above 70% is categorized as advanced learners. Departments conduct remedial classes of one hour daily for slow learners beyond the regular class hours. For the students of Hindi Medium background, the institute provides exclusive language training by the in-house training team, to bridge the language gap and uplift the performance. Extra care is taken by faculty in monitoring the performance of slow learners, as revision classes to cater to tough topics on student request, provision of question bank of the previous years with a discussion of the way of presenting the answers in the exam to score marks.

Students are encouraged to be members of professional bodies, and participate in and organize technical events such as group discussions, and technical quizzes to develop analytical and problem-solving abilities in them. We expect to impart and nurture their

technical abilities in problem-solving along with enhancement of their presentation skills and develop a spirit of teamwork in them. Opportunities are provided to develop their creativity by participating in and organizing inter-college technical fest. Semester Toppers and University rank holders are encouraged with certificates and cash prizes by the management.

File Description	Documents
Link for additional Information	Nil
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
900	93

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

For enhancing learning experiences and student involvement, SCE believes in the adoption of student's centric methods as apart of participative learning and problem-solving methodology. FLIP Classes, Team works, Debates, Seminar Quizzes, and case studies.

Students centric Teaching Methods are reflected in project work, Field Visit, Industrial visit & guest lectures.

Student Centric Methodology includes:

1. **Interactive/Participative Learning:** The faculty members make learning interactive with students by motivating student participation in FLIP classes, subject quiz, Tutorials, Team Work, Debates, and Group Work. Procedure Manual of Flip Class is attached.
2. **Experiential learning:** Project method, Student Seminars/Conferences, Summer Internship in Industry, Participation in competition at various levels, Industrial

Visits, Guest lecture etc.

3. Problem Solving Methodology: Quizzes, Analysis and Reasoning, Research Activities etc.

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

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

The ICT is widely considered the most important revolution and the development of moveable type printing techniques. The Institute understands the need of the utilization of information and communication technology as an indicator of institutional growth. Our library facilities are using ICT-based resources and services at an accelerated pace. E-Journals, e-books, CD-ROM databases, online databases, web-based resources and a variety of other electronic resources are used to facilitate the students and teachers to update themselves.

The institute understands that with the conventional infrastructure, class size, availability of teachers, quality of teachers, training of teachers, etc., it is difficult to achieve all the objectives. Further, the objectives are multidimensional, so for their achievement multiple methods should be used in an integrated fashion. The ICT facilities are used to bridge this gap because it can provide access to different sources of information, display of videos for student information, online access to various resources etc.

The institute functions on an ERP system, on which all the academics and institutional activities are uploaded and monitored. The lecture rooms are fitted with OHPs with laptop connectivity along with a fully software-based attendance system for students. Library and stores are also well connected with the ERP system.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://shivalikcollege.edu.in/igac-sce-2/ict-enabled-classroom/

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

80

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

93

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
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

20

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

317

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.

The examination related grievances of the students such as late application form filing, non-receipt of admit card of examinations or wrong entries in the admit card, out-of-syllabus questions in examinations and errors in university examination question papers etc. are communicated to University Examination cell with the assistance of the examination cell of the institution. Grievances associated with the internal examination, assessments are handled by the examination section of the institute whereas grievances related to the external assessment are forwarded to the Uttarakhand Technical University, Dehradun. Institute follows the guidelines laid down by V.M.S. Uttarakhand Technical University, Dehradun. Any grievances related to the exam are sent to the university liaison officer who deals with the institute. The grievance is registered in logbook maintained at the university. In case if the student is not satisfied with his/her performance in any exam, he/she can request for revaluation of the answer scripts. The institution ensures that examination related grievances are sorted out in a proper manner by

coordinating with the university.

File Description	Documents
Any additional information	View File
Link for additional information	https://shivalikcollege.edu.in/examinations/

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

In brief, the internal examination related grievance are resolved in the following manner:

1. **Before Examination:** Common grievances of students before the examination are late application form filing, nonreceipt of admit card of examinations or wrong entries in the same. In either case, grievances are communicated to University Examination Section and resolved at the earliest. College Exam Cell helps the student for filing the application form.
2. **During Examination:** (i) **Internal Examination:** During internal Examinations, if any student finds discrepancy in question, e.g. given answer options are not correct, data given in question is insufficient or options are repeated, out-of syllabus questions students may report it as invalid question. Committee at University takes cognizance and resolves the grievance. (ii) **Theory Examination:** College Instant reports to University Examination Section, if there are any grievances regarding question papers of any subject. Grievances regarding question paper include questions asked out of syllabus, typing errors, etc.
3. **After Result Declaration:** After result declaration by university, if any student has objection with result, he/she comes to College Exam Coordinator for the same. College Exam Coordinator addresses their issues. If students are not satisfied about their marks, he/she may apply for online revaluation form. In other cases, like absentees' case, the application of student is forwarded to university for corrective action.

File Description	Documents
Any additional information	View File
Link for additional information	https://shivalikcollege.edu.in/examinations/

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Shivalik College of Engineering (SCE) introduced Outcome Based Education (OBE) in 2016-17. The faculty were trained by conducting several FDPs and Workshops to prepare curriculum in line with the characteristics of OBE.

Program Outcomes (POs): It represents the knowledge, skills and attitudes the students should have at the end of a course completion of their respective engineering program.

Course Outcomes (COs): It gives the resultant knowledge and skills the student acquires at the end of each course.

Program Specific Outcomes (PSOs): PSOs are designed by the concerned Departments with their respective vision, mission and scope of the programme.

Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes are communicated to the stakeholders of the program by the following procedures

- COs, POs and PSOs are approved by the Department Academic Committee (DAC)
- COs, POs and PSOs are available in the Institute website - <https://shivalikcollege.edu.in/>
- COs, POs and PSOs are kept in Course Files, Student Manual, Academic Manuals and are also displayed in prominent locations such as Notice boards, Department office, Laboratories, Library etc.
- Course Outcomes (COs) are framed by concerned faculty and reviewed at Department Academic Committee meetings.
- COs are communicated to the students during the introduction class itself.
- POs and PSOs are communicated to employers and Alumni by sending mail and during the Alumni Meeting and IQAC Meetings.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	View File

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

Calculation of Outcomes: SCE has evolved its tools and practice of attainment calculation of learning outcomes based on outcome-based education and revised Bloom's Taxonomy during the duration of last few years based on experience, recommendations of experts and best practices of leading academic institutions. The university has also put forth COs for all the courses and same has been adopted by SCE.

Dimension of Outcomes: Course Outcomes, Program Outcomes and Program Specific Outcomes are measured by both direct and indirect methods.

Outcome based Assessments: Each internal assessment item is mapped to a particular course outcome and according to revised Bloom's levels. The performance of the student with respect to each assessment item is captured. Then, the combined performance of the class for all assessment items of a specific course item is separately tabulated and compared.

The computed scores of indirect methods are calculated along with scores of direct methods with a predetermined weightage of 20% for indirect and 80% to direct methods.

Program Outcome / Program Specific Outcome Attainment (%) = (weight age: 80%) x (Average attainment in direct method) + (weightage: 20%) x (Average attainment in indirect method).

Analysis of Outcomes: The CO-PO attainment outcomes are reviewed by IQAC.

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

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**

100

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	View File
Paste link for the annual report	https://shivalikcollege.edu.in/examinations/

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://shivalikcollege.edu.in/feedback/>**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)**

101.50

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 departments having Research projects funded by government and non government agencies during the year

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

03

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	No File Uploaded
Paste link to funding agency website	https://www.userc.in/

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

23

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

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

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

50

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

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

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

48

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

3.3 - Extension Activities

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

Shivalik College of Engineering (SCE) has been in the forefront in sensitizing its students pertaining to social issues through its curriculum and extension activities. SCE organises blood donation camps, education awareness programmes, gender equality awareness activities and visits to slums in vicinity to create awareness among the dwellers. Different departments undertake social outreach activities which are meant for helping society and training students to shoulder all responsibilities with ease and impact.

The NSS Cell, NCC and other Departments in collaboration with different agencies, trusts, NGOs, hospitals etc. lead extension activities to address local issues and sensitize students for their holistic development. To address the issues of domestic violence, child marriages, health care, HIV/Aids, street children, runaway children, alcohol addiction and drug addiction, etc. the students and teachers have collaborated through their departments with other agencies to help society and local communities.

Under Unnat Bharat Abhiyan Cell (UBA Cell), SCE had adopted 5 Gram Panchayats,

1. Gram Panchayat Sabhawala, Distt Dehradun
2. Gram Panchayat Mazra,, Distt Dehradun
3. Gram Panchayat Jhajra Range, Distt Dehradun

4. Gram Panchyat Shishambara, Distt Dehradun**5. Gram Panchayat Sherpur, Distt Dehradun**

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

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year**3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year**

5

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

3.3.3 - 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**3.3.3.1 - 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**

24

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 last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year**3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

634

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration**3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year**

11

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year**3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year**

12

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
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.

Shivalik College of Engineering (SCE) has a well-developed campus of around 7.5 acres which is equipped with facilities and learning resources to accomplish academic excellence to attain its vision and strategic objectives. The SCE augments its infrastructure to promote a good teaching learning environment and continuously upgrades and improves its physical infrastructure to meet the needs of changing times.

ICT Facilities

The institute has an internet bandwidth of 500 MBPS. Two Audio Video recording and studio has been established to record and create online contents by faculty. The SCE has adequate classrooms & Tutorials rooms with ICT facilities.

To meet the needs of practical and hands on training as per the curriculum 32 laboratories have been established under various departments. The SCE has 45 well equipped ICT enabled classrooms and 7 seminar halls and one conference room with cross ventilation and natural light. An auditorium of capacity of 550 students is under construction. The SCE have been established lab and Centre of Excellence (CoE) in collaboration with industry and academia:-

- Robotics Lab with IIT Bombay
- COE for Cloud Computing with IBM
- COE with DELL (EMC)
- Center of Business Incubation and Innovation (CBII)
- Computer Centre
- Central Workshop

- Language Lab
- Central Library
- Seminar Halls

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://shivalikcollege.edu.in/student-resources/

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

To promote interest in sports and cultural events, some special facilities are made available on the campus.

Sports & Games:

The supportive facilities on the campus are developed to contribute to the effective ambience for extra-curricular and cocurricular activities. The Sports club work as a team, with adequate supporting staff to assist them in the conduct of various events, throughout the academic year.

Yoga Centre/Activities:

Shivalik College of Engineering has established yoga centre for enhancement of health of students, faculty, and staff. Participation in physical activity on a regular basis is one of the primary factors in maintaining sound health in modern society. Due to sedentary lifestyle leading many health-related issues, the prevalence of physical inactivity among college students calls for immediate action. Along with aerobics and dance, yoga is one of the most famous physical activities that college girl student would like to prefer as a choice.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://shivalikcollege.edu.in/student-resources/culture-activity/

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

45

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

45

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

517.05

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	No File Uploaded
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)

Shivalik College of Engineering (SCE) has a fully automated Library since 2015. Cyborg-ERP & e-Campus SDT Consultants (P) Ltd (version 1.0.0.1) is the software used for Circulation, Procurement, OPAC and Project Reports. All the library documents are bar-coded. E-Campus SDT Consultants (P) Ltd (version 1.0.0.1) is very versatile and is extensively used for generating all the reports that are required in

day-to-day requirements of the library.

All the holdings such as books and Journals, syllabus, question papers and Project reports of the library could be searched using OPAC. The library has the membership of J-Gate, DELNET and NDLI since 2017. The library has e-library with 15 computers for students and faculty to access the e-resources.

The library has printed journals with 182 titles and 226 bound volumes. In the Project reports section more than 800 reports in physical and digital forms are available which are being used extensively by the students. Libraries maintain software through which the softcopy of the reports could be uploaded, searched, and downloaded.

Library Facilities & Services

- Books, Journals, e-Journals, Projects & CD Access
- Reference Sections with reference books
- Text Books Section
- News Papers (Hindi and English daily)
- OPAC Facility Digital Library

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://shivalikcollege.edu.in/library/

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)

6.6932

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

4.2.4 - 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

350

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

SCE continuously strives to provide state-of-the-art technologies and update its ICT facilities to ensure efficient functioning. Extensive infrastructure has been setup during the last five years:

IP based Surveillance System The infrastructure includes:

- Desktops (Intel i7 7th Gen with 16 GB RAM, i5, Dual Core based with 4 to 32 GB RAM and 250 GB to 1TB HDD)
- Laptops (i7 with 16 GB RAM, i5- with 16 & 8GB RAM, i3 with 4 to 8 GB RAM)
- Total number of systems = 696
- 1 Tower server (Xeon 4.2 GHz, 32 GB RAM, 1TB HDD)
- 1 Blade server (INTEL(R) XEON(R) SILVER 4510 2.40 GHz, 64GB RAM, 4TB HDD)
- 800 Mbps leased fiber lines for internet connectivity

The IP Surveillance system was established in 2008 with the following configuration:

- HD & IP camera (1.2 to 8 MP, Hikvision, CP-plus, i-ball) = 220
- 6 NVR & 4DVR with 30TB of storage
- 5-Cisco, 31-D-Link, 3-HP, 11-Huawei, 7-SyroTech, 4-Net gear, 10-Digisol Switches
- 2 Km of Fiber Optic Cable.

Fiber Lines WIFI Facility ICT and Computing Facilities

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://shivalikcollege.edu.in/igac-sce-2/ict-enabled-classroom/

4.3.2 - Number of Computers

712

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
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)

669.45

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

The following specific initiatives are taken by the engineer appointed.

- Expansion of Building resource of the existing campus.
- Renovation of Seminar Hall and converting it to lecture recording facility
- Construction of Faculty accommodation and guest houses.
- Regular monitoring is done for the maintenance of classrooms, laboratories, libraries, lawns, gardens, play grounds, cafeteria etc.
- The registrar office of SCE is responsible for overall maintenance of infrastructure facilities, services, and equipment. Such as Classrooms laboratories, the common places such as Conference halls, auditorium (Under Construction), libraries, Play grounds etc.
- Each department is responsible for the maintenance and upkeep of classrooms, conference halls, labs, equipment etc. through lab in-charges in coordination with administration department and maintenance team including civil engineers, vendors and suppliers.
- Similarly, the living area like hostels, dining halls etc. are maintained by dedicated workforce. Repair is done under the supervision of respective supervisors of registrar office with the help of civil engineers and other work force.
- Equipment like Reverse Osmosis (RO) System, Generator, EPBX -System etc are maintained under AMCs.

The College has a System Administrator to oversee the maintenance of the Computer Systems. Any repair beyond the scope of the system administrator, external agencies are called for.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

77

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 benefitted 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 benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

205

File Description	Documents
Upload any additional information	View File
Number of students benefitted 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	Nil
Any additional information	View File
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

98

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

98

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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

A. All of the above

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

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

92

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

4

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

2

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/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.

6

File Description	Documents
e-copies of award letters and certificates	View File
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)

The Institution promotes and encourages such student representative bodies keeping in view an objective which is for active contribution and participation of students towards for not only the development of the Institution but also along with this the students get opportunity for personal development such as organizational and leadership skills, analytical thinking, problem solving capability, social responsibility, decision making etc. during various levels of interaction with faculty members, administration and committees.

The goal of these student clubs, committees, chapters and units is

to assist the students to rise above for representing and sharing their progressive and creative thoughts.

All the activities of the student clubs, committees, chapters and units are ably supported by faculty members who contribute in the capacity of Club Coordinators and Co-Coordinators.

The various clubs, committees, chapters and units functioning in the Institution are as under:

- Class Representative (CR) Group
- Grievance Residual Committee
- Anti Ragging Committee
- Women Grievance and Anti Sexual harassment committee
- Hostel/Mess Committee
- IEEE Students Chapter
- ISHRAE Students Chapter
- Technical Clubs of all programs
- Cultural Club
- Litcore (Literature Club)
- Arts and Craft Club
- Fitness and Adventure Club
- Sports Club
- Social Club
- Photography Club
- NSS
- NCC Unit
- IQAC

File Description	Documents
Paste link for additional information	https://shivalikcollege.edu.in/student-resources/student-clubs/
Upload any additional information	No File Uploaded

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

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

Shivalik College of Engineering (SCE) has registered an Alumni Association Registration No: UK0600892022009373 under the Societies Registration Act. 1960 on 19th September 2022 at Dehradun, Uttarakhand. Prior to the registration of the Alumni Association, the Institute established an Alumni cell in the year 2012.

The Alumni Association Contribution through various means: -

- **Alumni Interaction:** Alumni of SCE give input to aspiring Engineering graduates. They are invited as resource persons at various events, such as guest lectures, and panel discussions. They provide inputs and share their experiences regarding skills, recent technologies & trends in the corporate world, application of knowledge.
- **Placement & Career Guidance Assistance:** Alumni are working in organizations at various capacities. They keep the faculty and placement officer abreast of available job opportunities. They assist and guide the students to crack the interviews.
- **Alumni Meet:** We at SCE has a tradition of inviting alumni for Annual Alumni Meet "Convergence" in the month of February. In this meet the alumni get chance to reconnect with the Alma mater and old friends. This is the best platform for networking and sharing new trends and current happenings in the corporate world. These inputs are helpful to the academicians for moulding the aspiring students.

File Description	Documents
Paste link for additional information	https://alumni.shivalikcollege.edu.in/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs) D. 1 Lakhs - 3Lakhs

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 of Institute

To be a premier technical institution that provides experiential learning and multi-disciplinary research to develop socially responsible and competent professionals.

Mission of Institute

- Create an ambience that fosters a passion for learning and collaborative research and effectively disseminate knowledge between highly competent faculty and student community.
- Foster professionals, who can add value to organizations, engage in higher studies and pursue innovative entrepreneurial activities.
- Provide best in class infrastructure to facilitate experiential learning in cutting edge technologies.

Develop leaders who exhibit ethical behavior in professional and societal activities.

The leadership and guidance provided by the apex body, the Board of Governors has ensured a very effective system development and improvement. Developmental needs are identified, discussed and reviewed periodically to remove the impediments involved in the functioning of the College and furthering its progress.

The governing body supports the college administration with decisions, approvals and developmental matters. The Director of the institute is the guiding beacon and strategic direction and accepts responsibility for risk.

Department of Quality Assurance / IQAC acts as a central body for continual improvement of institutional quality and suggest different measures to achieve vision of the college.

File Description	Documents
Paste link for additional information	https://shivalikcollege.edu.in/college/shivalik-college-of-engineering/vision-mission/
Upload any additional information	View File

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

The hierarchy of the institution facilitates effective governance. It promotes decentralization of decision making while ensuring effective leadership and transparency at all levels with detailed process documentation and communication. It facilitates feedback from all stake holders and promotes improvement at all levels.

- Institution has defined roles and responsibilities for all levels of hierarchy. Policies for different stakeholders are put in place under establishment, Academic and student manual.
- Institution has defined roles and responsibilities for all levels of hierarchy. Policies for different stakeholders are put in place under establishment, Academic and student manual. The Secretary of the society in consultation of members of society appoints the Director of the college as per the norms of the regulatory bodies.
- The Director is guided and supported by Board of Management.
- The Registrar, Dean Student Welfare, Dean Research Promotion & Monitoring, Dean Quality Assurance Exam controller, Training & Placement head, Accounts, Proctor and Admissions directly reports to the Director.
- Respective Head of department, Head of different committees/Cells/clubs report to respective Deans and Director.
- All administrative functions and roles such as hostel, transport, maintenance, human resource, administration, information technology, cafeteria and mess, stores and

Purchase report to the registrar.

File Description	Documents
Paste link for additional information	https://shivalikcollege.edu.in/wp-content/uploads/2022/11/SCE-Organogram.png
Upload any additional information	View File

6.2 - Strategy Development and Deployment**6.2.1 - The institutional Strategic/ perspective plan is effectively deployed**

The college does have a perspective plan for development. The perspective plan is an important component of the institution's strategy development and deployment process. The leadership provides clear vision and mission to the institution. The aspects considered in development of policy and strategy are

- Teaching and learning
- ICT based learning
- Outcome based education and its implementation
- Focusing on self-learning
- Continual improvement of teaching techniques
- Research and development
- Proactive approach to sensitize faculty on research promotion
- Incentives to promote research
- Increase in the number of sponsored research projects
- Upgrading infrastructural facilities for R&D growth
- Community engagement

Institute's Strategic Plan -**OBJECTIVE 1**

To be recognized for quality education and extensive integration across engineering disciplines through effective teaching & learning process.

OBJECTIVE 2

Students & Faculty development & participation by providing a world class campus based educational experience.

OBJECTIVE 3

To benchmark and standardize various processes and policies to get accreditation from statutory bodies.

OBJECTIVE 4

Research & Development: To provide institutional research funding to the faculty to do initial quality research and prepare quality research proposals for possible funding.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://shivalikcollege.edu.in/about-us/strategic-plan/sce/
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.

The organizational structure of the College for decision making processes and their effectiveness is enunciated below.

Board Of Governors

- Highest decision-making body of the institution
- Constituted as per guidelines of the regulating bodies

Academic Advisor Committee:

- Ratifies the decisions of Board of Studies
- Make regulations for sports and extra-curricular activities.
- Recommends to the Governing Body proposals for institution of new programs of study.

Director

- Academic and Administrative head of the Institution
- Has reasonable autonomy in financial decisions, in consultation with the management.

Dean Academics

- Responsible for creating and maintaining of academic

environment in the college.

Dean of Students Welfare

- Responsible for creating and maintaining supportive environment for holistic development of student.

Controller of Examinations:

- Looks after examinations related tasks assisted by Assistant Controllers of examinations.

Dean Training & Development and Placement Officer:

- Looks after tasks related to Training and Placement activities

Head of Departments:

- Initiate appropriate measures for strengthening teaching learning processes
- Adequate freedom to take academic / administrative decisions

Statutory and non-statutory committees look after the academic and administrative procedures. These committees conduct meetings and the minutes are recorded.

All the committees are functioning in order to facilitate the successful implementation of the autonomy.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	https://shivalikcollege.edu.in/wp-content/uploads/2022/11/SCE-Organogram.png
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

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
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

At Shivalik College of Engineering (SCE), the staff welfare schemes as follows:

- Contributory provident fund-EPF.
- Contributory Insurance Scheme-ESI.
- Medical leave with full pay.
- 10 days Academic leave.
- 10 casual leaves for teaching staff.
- 15 Earned leaves.
- Six Month Maternity leave for female staff.
- Extra Ordinary leave/Special leaves.
- Facility of advance amount for teaching and non-teaching staff.
- Health insurance Policy.
- Residence facility in campus for teaching and administrative staff.
- Free Transport facility for teaching and non-teaching staff.
- Loan facility without interest for teaching and nonteaching staff.
- Research Incentive Policy.
- 24x7 Free Wi-Fi facility for teaching and non-teaching staff.
- Access to Journals, periodicals and Newspapers.
- Dedicated staff rooms with computers facility.
- Fee concession Policy for Employee wards.
- Long Service Recognition award with rupees & certificate.
- Study Leave for teaching staff.
- Uniform for non-teaching and supporting staffs.
- Access to Gymnasium and sports facilities.

File Description	Documents
Paste link for additional information	Nil
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

32

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

6.3.3 - Number of professional development /administrative training 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

12

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
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

49

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
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

The Self-Appraisal Report (SAR) of all teaching staff is taken on annual basis using structured questionnaire.

The questionnaire is of 350 marks which is sub divided into 5 parts (A to E)

- Part A : Teaching learning & Evaluation related Activities (130 Marks)
- Part B : Research Publication Projects and Consultancy (120 marks)
- Part C, : Co-Curricular, Extension Activities and Profession Related Contributions (80 Marks)
- Part D : Leave Records (10 Marks)
- Part E : Professional Ethics & Competence (10Marks)

Based on the last year's performance Human resource department under the guidance of Director if college prepaid appraisals. Director of the college takes personal interest in guiding the teachers for further improvement.

Performance Appraisal System non-teaching staff

The Self-Appraisal Report of non-teaching staff is taken on annual basis using structured questionnaire. Based on the performance and the feedback, the Registrar takes personal interest in guiding the non-teaching Staff. The Manager and the senior members of the non-teaching Staff groom the new recruits to help them to enhance their performance. The non-teaching Staff members have assigned to work in different capacities on rotation basis.

File Description	Documents
Paste link for additional information	Nil
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

Shivalik College of takes every possible effort towards resource mobilization and generating funds. The college is self-financed, not-for-profit institution, catering to the needs of various cross sections of the society, to metamorphize the students to become responsible citizen of our country both professionally and otherwise. A well defined mechanism is in force for financial audit to have discipline and transparency in financial management. The accounts of the institution are subject to internal and external audit. Finance and Fees Committees are in place since 2014, to monitor the financial system. The College has a conscious policy of keeping the student fee affordable.

The College is now constantly searching for opportunities to receive grants and financial assistance from various Government Agencies, apart from Fees so that more emphasis can be done on Research aspects.

A well-defined mechanism is in force for financial audit to have discipline and transparency in financial management. The accounts of the institution are subject to internal and external audit. The Finance Committee conducts internal audit and the Chartered Accountant performs external audits.

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

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)

11.6

File Description	Documents
Annual statements of accounts	No File Uploaded
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 Shivalik College of Engineering of takes every possible effort towards resource mobilization and generating funds. The college is self-financed, not-for-profit institution, catering to the needs of various cross sections of the society, to metamorphize the students to become responsible citizen of our country both professionally and otherwise. A well-defined mechanism is in force for financial audit to have discipline and transparency in financial management. The accounts of the institution are subject to internal and external audit. Finance and Fees Committees are in place since 2014, to monitor the financial system. The College has a conscious policy of keeping the student fee affordable. The College is now constantly searching for opportunities to receive grants and financial assistance from various Government Agencies, apart from Fees so that more emphasis can be done on Research aspects.

The Shivalik College of Engineering of takes every possible effort towards resource mobilization and generating funds. The college is self-financed, not-for-profit institution, catering to the needs of various cross sections of the society, to metamorphize the students

to become responsible citizen of our country both professionally and otherwise. A well-defined mechanism is in force for financial audit to have discipline and transparency.

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

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

Internal Quality Assurance cell (IQAC) was established at Shivalik College of Engineering in the year of 2018 and its first meeting was held on 14th January 2019 to chisel out quality graduates from institution. This cell has wide representation from all functional areas of institution and meets at least twice every semester to review quality initiatives being carried out and propose new initiatives. The cell since its inception has conducted multiple events such as seminars, workshops, expert lectures etc. year on year. As a part of quality initiative, all areas of the institution were reviewed and recommendations for improving teaching and learning were provided. The IQAC enhanced institution's ability to acquire and develop competencies for teaching learning, research resulting in improved learner experience and enhance research opportunities. IQAC decided to follow ISO 9001:2015 standards in the institution for implementing quality improvements. Under the directions of IQAC, a list of initiatives was undertaken year on year to support various educational, administrative and operation needs of the institution.

File Description	Documents
Paste link for additional information	https://shivalikcollege.edu.in/quality-cell/igac-shivalik-college-of-engineering/about-igac-sce/
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

College reviews its teaching-learning process, structures and methodologies of operations and learning outcomes at periodic intervals through its various committees like the Academic Advisory Committee (AAC), IQAC, Training and Placement Cell and Feedback committee.

The IQAC reviews results and plans activities for the academic growth of the College.

Student feedback taken at different levels such as CR Meeting with Dean Student welfare, Mentor Mentee meetings, Counselling sessions which is utilized to improve teaching learning process.

Various quality initiatives for improving the teaching-learning process taken by the Institute have

- Introduction of Outcome Based Education system
- Organization of seminars, workshops, faculty enrichment programs and training for faculty as well as students
- Value-added courses for students initiated
- Use of ICT in teaching and learning encouraged.
- E-resources for various courses are regularly shared with students.
- Remedial Classes for weak students
- Mentor-Mentee System
- Feedback from alumni and parents and others stake holders
- Collaborative Research with other institute
- Modern teaching methodologies such as Flip class, Role Play, Group discussions, quizzes are used for better understanding of students.

File Description	Documents
Paste link for additional information	Nil
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

A. All of the above

Certification, NBA)

File Description	Documents
Paste web link of Annual reports of Institution	https://shivalikcollege.edu.in/quality-cell/igac-shivalik-college-of-engineering/annual-report-sce/
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
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**

- Shivalik College of Engineering (SCE) ensures women empowerment through gender equality. The Institute makes consistent efforts to promote women's education. The Institute has taken several measures to enhance safety & security on campuses by constituting Internal Complaints Committee (ICC), installing CCTV cameras & by providing 24 hours*7 days security. Women security guards are also available on the premises of the Institute to ensure the safety of women.
- SCE has implemented a common uniform for all of its students. All types of projects and lab activities are offered to all students irrespective of boys and girls. The Institute has two women counsellors who provide regular counselling sessions to both girl students and female faculty members on a regular basis. The Institute have organized more than 10 training programs, seminars, workshops etc. on gender equality and sensitization.
- The ICC of SCE celebrates International Women's Day on 8th March, every year. Distinguished women from various fields their challenges and success stories.
- A scholarship specifically for Girls Child with the name of UDAN introduced to promote the girl's child education.
- SCE Organized workshops and seminars, Awareness Programs on Gender Sensitivity to promote gender sensitivity and inclusion among students, faculty, and staff.

File Description	Documents
Annual gender sensitization action plan	https://shivalikcollege.edu.in/wp-content/uploads/2025/01/annual-gender.pdf
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://shivalikcollege.edu.in/wp-content/uploads/2025/01/7.1.1-Gender-Equility.pdf

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

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

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

Solid waste management

- Professional contractors from Shishambada Processing Plant collect the waste.
- The used papers and notebooks are collected every semester and recycled as cobra files used in the institute office works.
- The books are donated to the students of neighbouring schools and are also made available to the in-house students in the form of record books.
- Chemical and hazardous wastes from laboratories are disposed properly. This waste is collected and disposed through a certified third party.
- Usage of single use plastic cups, plates and cutlery are banned in the campus as a green initiative.

Liquid waste management

- Two sewage treatment plant for the college is being conceived to treat liquid waste. This treated water is then used for the gardening and other purpose. Institution also conducts discussions with students to make them aware about the liquid waste management techniques.
- Eco-friendly floor cleaners are used and the waste water is checked monthly. Disposal is done after treatment if necessary.
- Waste water from Reverse Osmosis (RO) plant is used for watering plants and gardens.

E-waste management

- E-waste or electronic waste is created when an electronic product is discarded after the end of its useful life. E-waste mainly includes obsolete electronic devices, such as computer systems, servers, monitors, compact discs (CDs), printers, scanners, copiers, calculators, fax machines, battery cells etc. E-waste is disposed off through vendors.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	https://shivalikcollege.edu.in/wp-content/uploads/2025/01/7.1.3-Solid-Waste-Management.pdf
Any other relevant information	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	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

- 1.Restricted entry of automobiles**
- 2.Use of Bicycles/ Battery powered vehicles**
- 3.Pedestrian Friendly pathways**
- 4.Ban on use of Plastic**
- 5.landscaping with trees and plants**

File Description	Documents
Geo tagged photos / videos of the facilities	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

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

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-

A. Any 4 or all of the above

reading software, mechanized equipment 5.
 Provision for enquiry and information :
 Human assistance, reader, scribe, soft copies of
 reading material, screen reading

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	No File Uploaded
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).

The institute conducts the institutional efforts/initiatives in providing an inclusive environment for the students. The purpose of conducting such events in the institute is to inculcate the sense of peace, equality and harmony among students. The institute organizes various activities/events to increase consciousness about tolerance and harmony towards cultural, regional, linguistic, communal socio-economic and other diversities.

The institute organizes blood donation camp every year. The blood donation camp creates awareness and generates sense of responsibility towards society among students and staff. By these efforts we can save someone's life. Institute's staff and students participated in this event with great enthusiasm. The National Service Scheme unit of the institute carried out activity of tree plantation of saplings near the college campus area. The students were distributed saplings and were instructed to plant saplings. The institute conducted a voting awareness campaign in which a rally with theme "Cast Your Vote" was organized in which faculty and student participated with great joy and enthusiasm.

Shivalik college of Engineering commemorated National Cleanliness Fortnight Drive by conducting a 'Cleanliness Campaign' under the aegis of its National Service Scheme (NSS) Unit on 02 October 2023.

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

Institution organizes many activities regarding responsibilities and duties with enthusiasm. Our students and employees are moving towards better India by sensing their rights, duties and responsibilities. The institution practices pluralist approach towards all religion functions and encourages the students and faculty to showcase the same. Every year our institute organizes such events so that students and Staff get to know the importance of national integrity in the country in general and their role in it in particular.

1. Seminar on ethical values

2. Global hand washing day

3. Anti-Drug campaign

4. Aids Awareness in adopted villages

5. Drug Safety and Awareness Program with Uttarakhand Police

6. Debate on how to demolished corruption: NSS Unit of Shivalik College of Engineering (SCE) organized an debate on how to demolished corruption, in which NSS students as well as other student of SCE has participated.

7. Debate on Migration a threat to Uttarakhand

8. Blood donation camp

9. Traffic Awareness Program

10. Cast your vote: Institute organized a fun and interactive 'Voting Awareness Campaign' Although millions of people vote, every vote counts to select the right candidate for the country.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	View File

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 **A. All of the above**

4. Annual awareness programmes on Code of Conduct are organized

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	No File Uploaded
Any other relevant information	No File Uploaded

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

Institution Organizes National Festivals and Birth and Death Anniversaries of great Indian personalities with enthusiasm. Our students are on a mission towards better India by breaking the boundaries of religion and caste. Thoughts of great Indian personalities sowed into the young minds through the exhibitions and programs conducted on these days.

26th January Republic Day- Republic Day is celebrated to commemorate the adoption of constitution. 15th August Independence day- It is a grand event marked with the flag hosting by the Chief Guest and well-practiced march-past by many teams of Security Personals & NCC. 5th September (Dr. Sarvpalli Radha Krishnan Birth Anniversary) On 5th

September, we celebrate Dr. Radha krishnan's birthday as Teacher's Day with great fervor. The students organize a programme for the teachers. 2nd October Mahatma Gandhi Birth Anniversary.- A standout amongst the most mainstream events in India and one of the three national occasions, Gandhi Jayanti is praised in our Institute on 2nd October of consistently to stamp the birth commemoration of Mahatma Gandhi. 31st October Ekata Divas (Birth Anniversary of Sardar Patel)- Shivalik College of Engineering (SCE) organized Celebration of Rashtriya Ekta Diwas "Run For Unity" . 5th September Engineers day (Birth Anniversary of SirVisvesvaraya)

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

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: Engineering solutions for societal problems by disseminating awareness, understanding and application of Intellectual Proper Rights (IPR) among the students.

Objectives:

- To create the culture of creative thinking and Innovation in the institute.
- To beneficiate society by providing Engineering solutions to various existing problems with the help of right process, tool and techniques.
- To file Design/ Prototype patents from various Projects.
- To make students and faculty members aware of IPR

BEST PRACTICE -II

Title of the practice: Introduces Value Added Courses (VACs) to bridge Industry Academia Gaps

Objectives:

- To provide students with an understanding of the expectations of the industry.
- To improve the employability skills of engineering students.
- To bridge the skill gaps and make students industry ready.
- To foster critical thinking and problem-solving abilities relevant to real-world industry challenges.
- To increase students' exposure to emerging technologies and current industry trends.
- To help students develop professional communication and teamwork skills required in industry settings.
- To encourage innovation and entrepreneurial skills by integrating industry insights into the academic curriculum.
- To prepare students for professional certifications, adding value to their qualifications and enhancing their career prospects

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	No File Uploaded

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

The institution incubates & promotes creativity, innovation through entrepreneurship. The students encouraged and given opportunity to get involved in research efforts. Various value added courses offered by each department which is intended to provide advanced information about latest technology. Beside this, institute takes conscious efforts to take initiatives for energy conservation and renewable energy usage in the college campus. Solar panels are used in the hostel and the college campus. The institute has lush green eco-friendly campus spread over 18 acres. The institution has 500 KW Solar Power Plant installed on the roof top of the building and is connected to the grid. The 500KW solar power generation MoU executed between the institute and Uttarakhand Power Corporation Ltd. The solar powerplant is installed as a green and renewable energy practice. The solar water heaters also installed on the roof top of the girl and boys' hostels to provide the warm water. The solar water heater helps to reduce the use of commercial energy sources

and take the institute to the green and renewable energy practices. The institute also includes successive use of the LED and LCD bulbs around the campus. The classrooms, labs, office areas, hostels and the walkways are lined with trees and LED bulbs.

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

For effective curriculum delivery, the following initiatives are taken:

- The curriculum is carefully crafted to support the syllabus contents and industrial/practical exposure to provide a congenial environment for academic excellence. The prime focus is maintained on efficacy of delivering methodologies.
- Subject wise course files are prepared which contains course scheme and syllabus, course plan & coverage, list of books required, CO-PO-PSO mapping, tutorial sheets, midterm & university question papers, assignments, subject notes and handouts etc. as per the need prerequisite courses are discussed.
- To fill the gap between curriculum and industry needs, Student training, expert lectures of industry and academic experts are arranged on a regular basis.
- Academic activities beyond the curriculum are regularly planned. The activity calendar is prepared by each department in synchronization with the Institute's and University academic calendar.
- Institute follows a practice of conduction of Internal Academic Audit through IQAC to probe the effectiveness of teaching-learning methodologies.
- Several activities like conferences, seminars, workshops, expert lectures, webinars, STTPs, FDPs etc are organized throughout the year to connect faculty and students with the latest ongoing trends and practices.
- To improve self-learning flip classes, role play, experiential learning classes etc. are conducted for the students.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://shivalikcollege.edu.in/wp-content/uploads/2025/01/SCE-Register-for-THEORY-Course_compressed.pdf

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

The college adheres to academic calendar provided by the University for Conduction of continuous internal evaluation system. The academic calendar includes the dates of commencement and completion of syllabus, schedules of internal exams etc. It specifies the dates of term end examination. Tentative dates of practical exams and viva-voce and theory examinations are also given in academic calendar. The time tables are prepared and implemented accordingly. The teachers prepare teaching plans according to the academic calendar and guidelines of the College. The schedule of external examination is fixed by the University and the same is displayed on notice board for students. In case of any change in the University schedule, some changes are required to be made in internal evaluation as well. These changes are communicated to the students well in advance. However, all efforts are made by the College to adhere to the academic calendar for CIE. The regular monitoring is done by the IQAC. Based on these review meetings some changes in schedules of activities are made if required. Further, extra lectures are scheduled to complete the syllabus before university examination.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://shivalikcollege.edu.in/academic-calendar/

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

A. All of the above

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

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

6

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	View File
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)

28

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

561

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

561

File Description	Documents
Any additional information	View File
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

Shivalik College of Engineering (SCE) offers courses relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability as per the curriculum of university. The SCE organizes seminars, workshops, camps at regular intervals under the banner of Internal Complaints Committee (ICC).

- Environmental Sciences in B.Tech I yr II Semester
- Universal Human Values in B. Tech II yr (all branches)
- Environmental Engineering-I in B. Tech III yr, Civil Engineering
- Environmental Management & Sustainable Development (Open Elective)
- Environmental Impact Assessment in B. Tech III yr, Civil Engineering
- Ground Water Engineering in B. Tech IV yr, Civil Engineering
- Renewable Energy Technology in B. Tech III yr Mechanical Engineering

Institute integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the curriculum. Environmental Sciences as a course is integrated in B. Tech first year programme by university. Gender Sensitization, though not a part of curriculum, we at SCE understand the institutional responsibility of promoting such issues among stakeholders, for that we organize seminars,

awareness camps. Nukkad Natak, plays and such other related activities at regular intervals.

File Description	Documents
Any additional information	View File
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

38

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	View File
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

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

548

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	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	View File
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
File Description	Documents
Upload any additional information	View File
URL for feedback report	https://shivalikcollege.edu.in/quality-cell/iqac-shivalik-college-of-engineering/stake-holder-feedback-sce/
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 sanctioned seats during the year	
360	
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

38

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

Advanced learners and slow learners are identified based on involvement in the classroom, performance in previous university exams, and the first internal test. Students who scored marks

below 50% are categorized as slow learners and those who scored above 70% is categorized as advanced learners. Departments conduct remedial classes of one hour daily for slow learners beyond the regular class hours. For the students of Hindi Medium background, the institute provides exclusive language training by the in-house training team, to bridge the language gap and uplift the performance. Extra care is taken by faculty in monitoring the performance of slow learners, as revision classes to cater to tough topics on student request, provision of question bank of the previous years with a discussion of the way of presenting the answers in the exam to score marks.

Students are encouraged to be members of professional bodies, and participate in and organize technical events such as group discussions, and technical quizzes to develop analytical and problem-solving abilities in them. We expect to impart and nurture their technical abilities in problem-solving along with enhancement of their presentation skills and develop a spirit of teamwork in them. Opportunities are provided to develop their creativity by participating in and organizing inter-college technical fest. Semester Toppers and University rank holders are encouraged with certificates and cash prizes by the management.

File Description	Documents
Link for additional Information	Nil
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
900	93

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

For enhancing learning experiences and student involvement, SCE believes in the adoption of student's centric methods as apart of participative learning and problem-solving methodology. FLIP Classes, Team works, Debates, Seminar Quizzes, and case studies.

Students centric Teaching Methods are reflected in project work, Field Visit, Industrial visit & guest lectures.

Student Centric Methodology includes:

1. Interactive/Participative Learning: The faculty members make learning interactive with students by motivating student participation in FLIP classes, subject quiz, Tutorials, Team Work, Debates, and Group Work. Procedure Manual of Flip Class is attached.
2. Experiential learning: Project method, Student Seminars/Conferences, Summer Internship in Industry, Participation in competition at various levels, Industrial Visits, Guest lecture etc.
3. Problem Solving Methodology: Quizzes, Analysis and Reasoning, Research Activities etc.

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

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

The ICT is widely considered the most important revolution and the development of moveable type printing techniques. The Institute understands the need of the utilization of information and communication technology as an indicator of institutional growth. Our library facilities are using ICT-based resources and services at an accelerated pace. E-Journals, e-books, CD-ROM databases, online databases, web-based resources and a variety of other electronic resources are used to facilitate the students and teachers to update themselves.

The institute understands that with the conventional infrastructure, class size, availability of teachers, quality of teachers, training of teachers, etc., it is difficult to achieve all the objectives. Further, the objectives are multidimensional, so for their achievement multiple methods should be used in an integrated fashion. The ICT facilities are used to bridge this gap because it can provide access to different sources of information, display of videos for student information, online access to various resources etc.

The institute functions on an ERP system, on which all the academics and institutional activities are uploaded and monitored. The lecture rooms are fitted with OHPs with laptop connectivity along with a fully software-based attendance system for students. Library and stores are also well connected with the ERP system.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://shivalikcollege.edu.in/igac-sce-2/ict-enabled-classroom/

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****80**

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****93**

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
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****20**

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

317

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.

The examination related grievances of the students such as late application form filing, non-receipt of admit card of examinations or wrong entries in the admit card, out-of-syllabus questions in examinations and errors in university examination question papers etc. are communicated to University Examination cell with the assistance of the examination cell of the institution. Grievances associated with the internal examination, assessments are handled by the examination section of the institute whereas grievances related to the external assessment are forwarded to the Uttarakhand Technical University, Dehradun. Institute follows the guidelines laid down by V.M.S. Uttarakhand Technical University, Dehradun. Any grievances related to the exam are sent to the university liaison officer who deals with the institute. The grievance is registered in logbook maintained at the university. In case if the student is not satisfied with his/her performance in any exam, he/she can request for revaluation of the answer scripts. The institution ensures that examination related grievances are sorted out in a proper manner

by coordinating with the university.

File Description	Documents
Any additional information	View File
Link for additional information	https://shivalikcollege.edu.in/examinations/

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

In brief, the internal examination related grievance are resolved in the following manner:

1. Before Examination: Common grievances of students before the examination are late application form filing, nonreceipt of admit card of examinations or wrong entries in the same. In either case, grievances are communicated to University Examination Section and resolved at the earliest. College Exam Cell helps the student for filing the application form.
2. During Examination: (i) Internal Examination: During internal Examinations, if any student finds discrepancy in question, e.g. given answer options are not correct, data given in question is insufficient or options are repeated, out-of syllabus questions students may report it as invalid question. Committee at University takes cognizance and resolves the grievance. (ii) Theory Examination: College Instant reports to University Examination Section, if there are any grievances regarding question papers of any subject. Grievances regarding question paper include questions asked out of syllabus, typing errors, etc.
3. After Result Declaration: After result declaration by university, if any student has objection with result, he/she comes to College Exam Coordinator for the same. College Exam Coordinator addresses their issues. If students are not satisfied about their marks, he/she may apply for online revaluation form. In other cases, like absentees' case, the application of student is forwarded to university for corrective action.

File Description	Documents
Any additional information	View File
Link for additional information	https://shivalikcollege.edu.in/examinations/

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Shivalik College of Engineering (SCE) introduced Outcome Based Education (OBE) in 2016-17. The faculty were trained by conducting several FDPs and Workshops to prepare curriculum in line with the characteristics of OBE.

Program Outcomes (POs): It represents the knowledge, skills and attitudes the students should have at the end of a course completion of their respective engineering program.

Course Outcomes (COs): It gives the resultant knowledge and skills the student acquires at the end of each course.

Program Specific Outcomes (PSOs): PSOs are designed by the concerned Departments with their respective vision, mission and scope of the programme.

Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes are communicated to the stakeholders of the program by the following procedures

- COs, POs and PSOs are approved by the Department Academic Committee (DAC)
- COs, POs and PSOs are available in the Institute website - <https://shivalikcollege.edu.in/>
- COs, POs and PSOs are kept in Course Files, Student Manual, Academic Manuals and are also displayed in prominent locations such as Notice boards, Department office, Laboratories, Library etc.
- Course Outcomes (COs) are framed by concerned faculty and reviewed at Department Academic Committee meetings.
- COs are communicated to the students during the introduction class itself.
- POs and PSOs are communicated to employers and Alumni by sending mail and during the Alumni Meeting and IQAC

Meetings.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	View File

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

Calculation of Outcomes: SCE has evolved its tools and practice of attainment calculation of learning outcomes based on outcome-based education and revised Bloom's Taxonomy during the duration of last few years based on experience, recommendations of experts and best practices of leading academic institutions. The university has also put forth COs for all the courses and same has been adopted by SCE.

Dimension of Outcomes: Course Outcomes, Program Outcomes and Program Specific Outcomes are measured by both direct and indirect methods.

Outcome based Assessments: Each internal assessment item is mapped to a particular course outcome and according to revised Bloom's levels. The performance of the student with respect to each assessment item is captured. Then, the combined performance of the class for all assessment items of a specific course item is separately tabulated and compared.

The computed scores of indirect methods are calculated along with scores of direct methods with a predetermined weightage of 20% for indirect and 80% to direct methods.

Program Outcome / Program Specific Outcome Attainment (%) =
 (weight age: 80%) x (Average attainment in direct method) +
 (weightage: 20%) x (Average attainment in indirect method).

Analysis of Outcomes: The CO-PO attainment outcomes are reviewed by IQAC.

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

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

100

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	View File
Paste link for the annual report	https://shivalikcollege.edu.in/examinations/

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://shivalikcollege.edu.in/feedback/>

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)

101.50

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 departments having Research projects funded by government and non government agencies during the year

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

03

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	No File Uploaded
Paste link to funding agency website	https://www.userc.in/

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

23

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

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year**3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year**

50

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

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year**3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year**

48

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

3.3 - Extension Activities

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

Shivalik College of Engineering (SCE) has been in the forefront in sensitizing its students pertaining to social issues through its curriculum and extension activities. SCE organises blood donation camps, education awareness programmes, gender equality awareness activities and visits to slums in vicinity to create awareness among the dwellers. Different departments undertake social outreach activities which are meant for helping society and training students to shoulder all responsibilities with ease and impact.

The NSS Cell, NCC and other Departments in collaboration with different agencies, trusts, NGOs, hospitals etc. lead extension

activities to address local issues and sensitize students for their holistic development. To address the issues of domestic violence, child marriages, health care, HIV/Aids, street children, runaway children, alcohol addiction and drug addiction, etc. the students and teachers have collaborated through their departments with other agencies to help society and local communities.

Under Unnat Bharat Abhiyan Cell (UBA Cell), SCE had adopted 5 Gram Panchayats,

1. Gram Panchayat Sabhawala, Distt Dehradun
2. Gram Panchayat Mazra,, Distt Dehradun
3. Gram Panchayat Jhajra Range, Distt Dehradun
4. Gram Panchyat Shishambara, Distt Dehradun
5. Gram Panchayat Sherpur, Distt Dehradun

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

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

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

5

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

3.3.3 - 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

3.3.3.1 - 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

24

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 last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

634

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

11

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

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

12

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
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.

Shivalik College of Engineering (SCE) has a well-developed campus of around 7.5 acres which is equipped with facilities and learning resources to accomplish academic excellence to attain its vision and strategic objectives. The SCE augments its infrastructure to promote a good teaching learning environment and continuously upgrades and improves its physical infrastructure to meet the needs of changing times.

ICT Facilities

The institute has an internet bandwidth of 500 MBPS. Two Audio Video recording and studio has been established to record and

create online contents by faculty. The SCE has adequate classrooms & Tutorials rooms with ICT facilities.

To meet the needs of practical and hands on training as per the curriculum 32 laboratories have been established under various departments. The SCE has 45 well equipped ICT enabled classrooms and 7 seminar halls and one conference room with cross ventilation and natural light. An auditorium of capacity of 550 students is under construction. The SCE have been established lab and Centre of Excellence (CoE) in collaboration with industry and academia:-

- Robotics Lab with IIT Bombay
- COE for Cloud Computing with IBM
- COE with DELL (EMC)
- Center of Business Incubation and Innovation (CBII)
- Computer Centre
- Central Workshop
- Language Lab
- Central Library
- Seminar Halls

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://shivalikcollege.edu.in/student-resources/

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

To promote interest in sports and cultural events, some special facilities are made available on the campus.

Sports & Games:

The supportive facilities on the campus are developed to contribute to the effective ambience for extra-curricular and cocurricular activities. The Sports club work as a team, with adequate supporting staff to assist them in the conduct of various events, throughout the academic year.

Yoga Centre/Activities:

Shivalik College of Engineering has established yoga centre for enhancement of health of students, faculty, and staff. Participation in physical activity on a regular basis is one of the primary factors in maintaining sound health in modern society. Due to sedentary lifestyle leading many health-related issues, the prevalence of physical inactivity among college students calls for immediate action. Along with aerobics and dance, yoga is one of the most famous physical activities that college girl student would like to prefer as a choice.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://shivalikcollege.edu.in/student-resources/culture-activity/

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

45

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

45

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

517.05

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	No File Uploaded
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)

Shivalik College of Engineering (SCE) has a fully automated Library since 2015. Cyborg-ERP & e-Campus SDT Consultants (P) Ltd (version 1.0.0.1) is the software used for Circulation, Procurement, OPAC and Project Reports. All the library documents are bar-coded. E-Campus SDT Consultants (P) Ltd (version 1.0.0.1) is very versatile and is extensively used for generating all the reports that are required in day-to-day requirements of the library.

All the holdings such as books and Journals, syllabus, question papers and Project reports of the library could be searched using OPAC. The library has the membership of J-Gate, DELNET and NDLI since 2017. The library has e-library with 15 computers for students and faculty to access the e-resources.

The library has printed journals with 182 titles and 226 bound volumes. In the Project reports section more than 800 reports in physical and digital forms are available which are being used extensively by the students. Libraries maintain software through which the softcopy of the reports could be uploaded, searched, and downloaded.

Library Facilities & Services

- Books, Journals, e-Journals, Projects & CD Access
- Reference Sections with reference books
- Text Books Section
- News Papers (Hindi and English daily)
- OPAC Facility Digital Library

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://shivalikcollege.edu.in/library/

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)

6.6932

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

4.2.4 - 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

350

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

SCE continuously strives to provide state-of-the-art technologies and update its ICT facilities to ensure efficient functioning. Extensive infrastructure has been setup during the last five years: IP based Surveillance System The infrastructure includes:

- Desktops (Intel i7 7th Gen with 16 GB RAM, i5, Dual Core based with 4 to 32 GB RAM and 250 GB to 1TB HDD)
- Laptops (i7 with 16 GB RAM, i5- with 16 & 8GB RAM, i3 with 4 to 8 GB RAM)
- Total number of systems = 696
- 1 Tower server (Xeon 4.2 GHz, 32 GB RAM, 1TB HDD)
- 1 Blade server (INTEL(R) XEON(R) SILVER 4510 2.40 GHz, 64GB RAM, 4TB HDD)
- 800 Mbps leased fiber lines for internet connectivity

The IP Surveillance system was established in 2008 with the following configuration:

- HD & IP camera (1.2 to 8 MP, Hikvision, CP-plus, i-ball) = 220
- 6 NVR & 4DVR with 30TB of storage
- 5-Cisco, 31-D-Link, 3-HP, 11-Huawei, 7-SyroTech, 4-Net gear, 10-Digisol Switches
- 2 Km of Fiber Optic Cable.

Fiber Lines WIFI Facility ICT and Computing Facilities

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://shivalikcollege.edu.in/igac-sce-2/ict-enabled-classroom/

4.3.2 - Number of Computers

712

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
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)

669.45

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

The following specific initiatives are taken by the engineer appointed.

- **Expansion of Building resource of the existing campus.**
- **Renovation of Seminar Hall and converting it to lecture recording facility**
- **Construction of Faculty accommodation and guest houses.**
- **Regular monitoring is done for the maintenance of classrooms, laboratories, libraries, lawns, gardens, play grounds, cafeteria etc.**
- **The registrar office of SCE is responsible for overall maintenance of infrastructure facilities, services, and equipment. Such as Classrooms laboratories, the common places such as Conference halls, auditorium (Under Construction), libraries, Play grounds etc.**
- **Each department is responsible for the maintenance and**

upkeep of classrooms, conference halls, labs, equipment etc. through lab in-charges in coordination with administration department and maintenance team including civil engineers, vendors and suppliers.

- Similarly, the living area like hostels, dining halls etc. are maintained by dedicated workforce. Repair is done under the supervision of respective supervisors of registrar office with the help of civil engineers and other work force.
- Equipment like Reverse Osmosis (RO) System, Generator, EPBX-System etc are maintained under AMCs.

The College has a System Administrator to oversee the maintenance of the Computer Systems. Any repair beyond the scope of the system administrator, external agencies are called for.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students 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

77

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 benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year**

205

File Description	Documents
Upload any additional information	View File
Number of students benefitted 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	Nil
Any additional information	View File
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

98

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

98

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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

A. All of the above

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

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

92

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

4

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**

2

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports/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.**

6

File Description	Documents
e-copies of award letters and certificates	View File
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)

The Institution promotes and encourages such student representative bodies keeping in view an objective which is for active contribution and participation of students towards for not only the development of the Institution but also along with this the students get opportunity for personal development such as organizational and leadership skills, analytical thinking, problem solving capability, social responsibility, decision making etc. during various levels of interaction with faculty members, administration and committees.

The goal of these student clubs, committees, chapters and units is to assist the students to rise above for representing and sharing their progressive and creative thoughts.

All the activities of the student clubs, committees, chapters and units are ably supported by faculty members who contribute in the capacity of Club Coordinators and Co-Coordinators.

The various clubs, committees, chapters and units functioning in the Institution are as under:

- Class Representative (CR) Group
- Grievance Residual Committee
- Anti Ragging Committee
- Women Grievance and Anti Sexual harassment committee
- Hostel/Mess Committee
- IEEE Students Chapter
- ISHRAE Students Chapter
- Technical Clubs of all programs
- Cultural Club

- Litcore (Literature Club)
- Arts and Craft Club
- Fitness and Adventure Club
- Sports Club
- Social Club
- Photography Club
- NSS
- NCC Unit
- IQAC

File Description	Documents
Paste link for additional information	https://shivalikcollege.edu.in/student-resources/student-clubs/
Upload any additional information	No File Uploaded

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

16

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

Shivalik College of Engineering (SCE) has registered an Alumni Association Registration No: UK0600892022009373 under the Societies Registration Act. 1960 on 19th September 2022 at Dehradun, Uttarakhand. Prior to the registration of the Alumni

Association, the Institute established an Alumni cell in the year 2012.

The Alumni Association Contribution through various means: -

- **Alumni Interaction:** Alumni of SCE give input to aspiring Engineering graduates. They are invited as resource persons at various events, such as guest lectures, and panel discussions. They provide inputs and share their experiences regarding skills, recent technologies & trends in the corporate world, application of knowledge.
- **Placement & Career Guidance Assistance:** Alumni are working in organizations at various capacities. They keep the faculty and placement officer abreast of available job opportunities. They assist and guide the students to crack the interviews.
- **Alumni Meet:** We at SCE has a tradition of inviting alumni for Annual Alumni Meet "Convergence" in the month of February. In this meet the alumni get chance to reconnect with the Alma mater and old friends. This is the best platform for networking and sharing new trends and current happenings in the corporate world. These inputs are helpful to the academicians for moulding the aspiring students.

File Description	Documents
Paste link for additional information	https://alumni.shivalikcollege.edu.in/
Upload any additional information	View File

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

D. 1 Lakhs - 3Lakhs

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 of Institute

To be a premier technical institution that provides experiential learning and multi-disciplinary research to develop socially responsible and competent professionals.

Mission of Institute

- Create an ambience that fosters a passion for learning and collaborative research and effectively disseminate knowledge between highly competent faculty and student community.
- Foster professionals, who can add value to organizations, engage in higher studies and pursue innovative entrepreneurial activities.
- Provide best in class infrastructure to facilitate experiential learning in cutting edge technologies.

Develop leaders who exhibit ethical behavior in professional and societal activities.

The leadership and guidance provided by the apex body, the Board of Governors has ensured a very effective system development and improvement. Developmental needs are identified, discussed and reviewed periodically to remove the impediments involved in the functioning of the College and furthering its progress.

The governing body supports the college administration with decisions, approvals and developmental matters. The Director of the institute is the guiding beacon and strategic direction and accepts responsibility for risk.

Department of Quality Assurance / IQAC acts as a central body for continual improvement of institutional quality and suggest different measures to achieve vision of the college.

File Description	Documents
Paste link for additional information	https://shivalikcollege.edu.in/college/shivalik-college-of-engineering/vision-mission/
Upload any additional information	View File

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

The hierarchy of the institution facilitates effective governance. It promotes decentralization of decision making while ensuring effective leadership and transparency at all levels with detailed process documentation and communication. It facilitates feedback from all stake holders and promotes improvement at all levels.

- Institution has defined roles and responsibilities for all levels of hierarchy. Policies for different stakeholders are put in place under establishment, Academic and student manual.
- Institution has defined roles and responsibilities for all levels of hierarchy. Policies for different stakeholders are put in place under establishment, Academic and student manual. The Secretary of the society in consultation of members of society appoints the Director of the college as per the norms of the regulatory bodies.
- The Director is guided and supported by Board of Management.
- The Registrar, Dean Student Welfare, Dean Research Promotion & Monitoring, Dean Quality Assurance Exam controller, Training & Placement head, Accounts, Proctor and Admissions directly reports to the Director.
- Respective Head of department, Head of different committees/Cells/clubs report to respective Deans and Director.
- All administrative functions and roles such as hostel, transport, maintenance, human resource, administration, information technology, cafeteria and mess, stores and Purchase report to the registrar.

File Description	Documents
Paste link for additional information	https://shivalikcollege.edu.in/wp-content/uploads/2022/11/SCE-Organogram.png
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The college does have a perspective plan for development. The perspective plan is an important component of the institution's strategy development and deployment process. The leadership

provides clear vision and mission to the institution. The aspects considered in development of policy and strategy are

- Teaching and learning
- ICT based learning
- Outcome based education and its implementation
- Focusing on self-learning
- Continual improvement of teaching techniques
- Research and development
- Proactive approach to sensitize faculty on research promotion
- Incentives to promote research
- Increase in the number of sponsored research projects
- Upgrading infrastructural facilities for R&D growth
- Community engagement

Institute's Strategic Plan -

OBJECTIVE 1

To be recognized for quality education and extensive integration across engineering disciplines through effective teaching & learning process.

OBJECTIVE 2

Students & Faculty development & participation by providing a world class campus based educational experience.

OBJECTIVE 3

To benchmark and standardize various processes and policies to get accreditation from statutory bodies.

OBJECTIVE 4

Research & Development: To provide institutional research funding to the faculty to do initial quality research and prepare quality research proposals for possible funding.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://shivalikcollege.edu.in/about-us/strategic-plan/sce/
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.

The organizational structure of the College for decision making processes and their effectiveness is enunciated below.

Board Of Governors

- Highest decision-making body of the institution
- Constituted as per guidelines of the regulating bodies

Academic Advisor Committee:

- Ratifies the decisions of Board of Studies
- Make regulations for sports and extra-curricular activities.
- Recommends to the Governing Body proposals for institution of new programs of study.

Director

- Academic and Administrative head of the Institution
- Has reasonable autonomy in financial decisions, in consultation with the management.

Dean Academics

- Responsible for creating and maintaining of academic environment in the college.

Dean of Students Welfare

- Responsible for creating and maintaining supportive environment for holistic development of student.

Controller of Examinations:

- Looks after examinations related tasks assisted by Assistant Controllers of examinations.

Dean Training & Development and Placement Officer:

- Looks after tasks related to Training and Placement activities

Head of Departments:

- Initiate appropriate measures for strengthening teaching learning processes
- Adequate freedom to take academic / administrative decisions

Statutory and non-statutory committees look after the academic and administrative procedures. These committees conduct meetings and the minutes are recorded.

All the committees are functioning in order to facilitate the successful implementation of the autonomy.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	https://shivalikcollege.edu.in/wp-content/uploads/2022/11/SCE-Organogram.png
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

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
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

At Shivalik College of Engineering (SCE), the staff welfare schemes as follows:

- Contributory provident fund-EPF.
- Contributory Insurance Scheme-ESI.
- Medical leave with full pay.
- 10 days Academic leave.
- 10 casual leaves for teaching staff.
- 15 Earned leaves.
- Six Month Maternity leave for female staff.
- Extra Ordinary leave/Special leaves.
- Facility of advance amount for teaching and non-teaching staff.
- Health insurance Policy.
- Residence facility in campus for teaching and administrative staff.
- Free Transport facility for teaching and non-teaching staff.
- Loan facility without interest for teaching and nonteaching staff.
- Research Incentive Policy.
- 24x7 Free Wi-Fi facility for teaching and non-teaching staff.
- Access to Journals, periodicals and Newspapers.
- Dedicated staff rooms with computers facility.
- Fee concession Policy for Employee wards.
- Long Service Recognition award with rupees & certificate.
- Study Leave for teaching staff.
- Uniform for non-teaching and supporting staffs.
- Access to Gymnasium and sports facilities.

File Description	Documents
Paste link for additional information	Nil
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

32

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

6.3.3 - Number of professional development /administrative training 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

12

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
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

49

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
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

The Self-Appraisal Report (SAR) of all teaching staff is taken on annual basis using structured questionnaire.

The questionnaire is of 350 marks which is sub divided into 5

parts (A to E)

- Part A : Teaching learning & Evaluation related Activities (130 Marks)
- Part B : Research Publication Projects and Consultancy (120 marks)
- Part C, : Co-Curricular, Extension Activities and Profession Related Contributions (80 Marks)
- Part D : Leave Records (10 Marks)
- Part E : Professional Ethics & Competence (10Marks)

Based on the last year's performance Human resource department under the guidance of Director if college prepaid appraisals. Director of the college takes personal interest in guiding the teachers for further improvement.

Performance Appraisal System non-teaching staff

The Self-Appraisal Report of non-teaching staff is taken on annual basis using structured questionnaire. Based on the performance and the feedback, the Registrar takes personal interest in guiding the non- teaching Staff. The Manager and the senior members of the non-teaching Staff groom the new recruits to help them to enhance their performance. The non-teaching Staff members have assigned to work in different capacities on rotation basis.

File Description	Documents
Paste link for additional information	Nil
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

Shivalik College of takes every possible effort towards resource mobilization and generating funds. The college is self-financed, not-for-profit institution, catering to the needs of various cross sections of the society, to metamorphize the students to become responsible citizen of our country both professionally and otherwise. A well defined mechanism is in force for financial audit to have discipline and transparency in financial

management. The accounts of the institution are subject to internal and external audit. Finance and Fees Committees are in place since 2014, to monitor the financial system. The College has a conscious policy of keeping the student fee affordable.

The College is now constantly searching for opportunities to receive grants and financial assistance from various Government Agencies, apart from Fees so that more emphasis can be done on Research aspects.

A well-defined mechanism is in force for financial audit to have discipline and transparency in financial management. The accounts of the institution are subject to internal and external audit. The Finance Committee conducts internal audit and the Chartered Accountant performs external audits.

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

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)

11.6

File Description	Documents
Annual statements of accounts	No File Uploaded
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 Shivalik College of Engineering of takes every possible effort towards resource mobilization and generating funds. The college is self-financed, not-for- profit institution, catering to the needs of various cross sections of the society, to

metamorphize the students to become responsible citizen of our country both professionally and otherwise. A well-defined mechanism is in force for financial audit to have discipline and transparency in financial management. The accounts of the institution are subject to internal and external audit. Finance and Fees Committees are in place since 2014, to monitor the financial system. The College has a conscious policy of keeping the student fee affordable. The College is now constantly searching for opportunities to receive grants and financial assistance from various Government Agencies, apart from Fees so that more emphasis can be done on Research aspects.

The Shivalik College of Engineering of takes every possible effort towards resource mobilization and generating funds. The college is self-financed, not-for-profit institution, catering to the needs of various cross sections of the society, to metamorphize the students to become responsible citizen of our country both professionally and otherwise. A well-defined mechanism is in force for financial audit to have discipline and transparency.

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

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

Internal Quality Assurance cell (IQAC) was established at Shivalik College of Engineering in the year of 2018 and its first meeting was held on 14th January 2019 to chisel out quality graduates from institution. This cell has wide representation from all functional areas of institution and meets at least twice every semester to review quality initiatives being carried out and propose new initiatives. The cell since its inception has conducted multiple events such as seminars, workshops, expert lectures etc. year on year. As a part of quality initiative, all areas of the institution were reviewed and recommendations for improving teaching and learning were provided. The IQAC enhanced institution's ability to acquire and develop competencies for teaching learning, research resulting in improved learner experience and enhance research opportunities. IQAC decided to

follow ISO 9001:2015 standards in the institution for implementing quality improvements. Under the directions of IQAC, a list of initiatives was undertaken year on year to support various educational, administrative and operation needs of the institution.

File Description	Documents
Paste link for additional information	https://shivalikcollege.edu.in/quality-cell/iqac-shivalik-college-of-engineering/about-iqac-sce/
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

College reviews its teaching-learning process, structures and methodologies of operations and learning outcomes at periodic intervals through its various committees like the Academic Advisory Committee (AAC), IQAC, Training and Placement Cell and Feedback committee.

The IQAC reviews results and plans activities for the academic growth of the College.

Student feedback taken at different levels such as CR Meeting with Dean Student welfare, Mentor Mentee meetings, Counselling sessions which is utilized to improve teaching learning process.

Various quality initiatives for improving the teaching-learning process taken by the Institute have

- Introduction of Outcome Based Education system
- Organization of seminars, workshops, faculty enrichment programs and training for faculty as well as students
- Value-added courses for students initiated
- Use of ICT in teaching and learning encouraged.
- E-resources for various courses are regularly shared with students.
- Remedial Classes for week students
- Mentor-Mentee System
- Feedback from alumni and parents and others stake holders
- Collaborative Research with other institute

- Modern teaching mythologies such as Flip class, Role Play, Group discussions, quizzes are used for better understanding of students.

File Description	Documents
Paste link for additional information	Nil
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://shivalikcollege.edu.in/quality-cell/iqac-shivalik-college-of-engineering/annual-report-sce/
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
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

- Shivalik College of Engineering (SCE) ensures women empowerment through gender equality. The Institute makes consistent efforts to promote women's education. The Institute has taken several measures to enhance safety &

security on campuses by constituting Internal Complaints Committee (ICC), installing CCTV cameras & by providing 24 hours*7 days security. Women security guards are also available on the premises of the Institute to ensure the safety of women.

- SCE has implemented a common uniform for all of its students. All types of projects and lab activities are offered to all students irrespective of boys and girls. The Institute has two women counsellors who provide regular counselling sessions to both girl students and female faculty members on a regular basis. The Institute have organized more than 10 training programs, seminars, workshops etc. on gender equality and sensitization.
- The ICC of SCE celebrates International Women's Day on 8th March, every year. Distinguished women from various fields their challenges and success stories.
- A scholarship specifically for Girls Child with the name of UDAN introduced to promote the girl's child education.
- SCE Organized workshops and seminars, Awareness Programs on Gender Sensitivity to promote gender sensitivity and inclusion among students, faculty, and staff.

File Description	Documents
Annual gender sensitization action plan	https://shivalikcollege.edu.in/wp-content/uploads/2025/01/annual-gender.pdf
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://shivalikcollege.edu.in/wp-content/uploads/2025/01/7.1.1-Gender-Equility.pdf

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

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

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

Solid waste management

- Professional contractors from Shishambada Processing Plant collect the waste.
- The used papers and notebooks are collected every semester and recycled as cobra files used in the institute office works.
- The books are donated to the students of neighbouring schools and are also made available to the in-house students in the form of record books.
- Chemical and hazardous wastes from laboratories are disposed properly. This waste is collected and disposed through a certified third party.
- Usage of single use plastic cups, plates and cutlery are banned in the campus as a green initiative.

Liquid waste management

- Two sewage treatment plant for the college is being conceived to treat liquid waste. This treated water is then used for the gardening and other purpose. Institution also conducts discussions with students to make them aware about the liquid waste management techniques.
- Eco-friendly floor cleaners are used and the waste water is checked monthly. Disposal is done after treatment if necessary.
- Waste water from Reverse Osmosis (RO) plant is used for watering plants and gardens.

E-waste management

- E-waste or electronic waste is created when an electronic product is discarded after the end of its useful life. E-waste mainly includes obsolete electronic devices, such as computer systems, servers, monitors, compact discs (CDs), printers, scanners, copiers, calculators, fax machines, battery cells etc. E-waste is disposed off through vendors.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	https://shivalikcollege.edu.in/wp-content/uploads/2025/01/7.1.3-Solid-Waste-Management.pdf
Any other relevant information	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	View File

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 with trees and plants**

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	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

A. Any 4 or all of the above

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

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

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

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	No File Uploaded
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).

The institute conducts the institutional efforts/initiatives in providing an inclusive environment for the students. The purpose of conducting such events in the institute is to inculcate the sense of peace, equality and harmony among students. The institute organizes various activities/events to increase consciousness about tolerance and harmony towards cultural, regional, linguistic, communal socio-economic and other diversities.

The institute organizes blood donation camp every year. The blood donation camp creates awareness and generates sense of responsibility towards society among students and staff. By these efforts we can save someone's life. Institute's staff and students participated in this event with great enthusiasm. The National Service Scheme unit of the institute carried out activity of tree plantation of saplings near the college campus area. The students were distributed saplings and were instructed to plant saplings. The institute conducted a voting awareness campaign in which a rally with theme "Cast Your Vote" was organized in which faculty and student participated with great joy and enthusiasm.

Shivalik college of Engineering commemorated National Cleanliness Fortnight Drive by conducting a 'Cleanliness Campaign' under the aegis of its National Service Scheme (NSS) Unit on 02 October 2023.

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

Institution organizes many activities regarding responsibilities and duties with enthusiasm. Our students and employees are moving towards better India by sensing their rights, duties and responsibilities. The institution practices pluralist approach towards all religion functions and encourages the students and faculty to showcase the same. Every year our institute organizes such events so that students and Staff get to know the importance

of national integrity in the country in general and their role in it in particular.

1. Seminar on ethical values
2. Global hand washing day
3. Anti-Drug campaign
4. Aids Awareness in adopted villages
5. Drug Safety and Awareness Program with Uttarakhand Police
6. Debate on how to demolished corruption: NSS Unit of Shivalik College of Engineering (SCE) organized an debate on how to demolished corruption, in which NSS students as well as other student of SCE has participated.
7. Debate on Migration a threat to Uttarakhand
8. Blood donation camp
9. Traffic Awareness Program
10. Cast your vote: Institute organized a fun and interactive 'Voting Awareness Campaign' Although millions of people vote, every vote counts to select the right candidate for the country.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	View File

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

A. All of the above

programmes on Code of Conduct are organized

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	No File Uploaded
Any other relevant information	No File Uploaded

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

Institution Organizes National Festivals and Birth and Death Anniversaries of great Indian personalities with enthusiasm. Our students are on a mission towards better India by breaking the boundaries of religion and caste. Thoughts of great Indian personalities sowed into the young minds through the exhibitions and programs conducted on these days.

26th January Republic Day- Republic Day is celebrated to commemorate the adoption of constitution. **15th August Independence day-** It is a grand event marked with the flag hosting by the Chief Guest and well-practiced march-past by many teams of Security Personals & NCC. **5th September (Dr. Sarvpalli Radha Krishnan Birth Anniversary)** On 5th September, we celebrate Dr. Radha krishnan's birthday as Teacher's Day with great fervor. The students organize a programme for the teachers. **2nd October Mahatma Gandhi Birth Anniversary.-** A standout amongst the most mainstream events in India and one of the three national occasions, Gandhi Jayanti is praised in our Institute on 2nd October of consistently to stamp the birth commemoration of Mahatma Gandhi. **31st October Ekata Divas (Birth Anniversary of Sardar Patel)-** Shivalik College of Engineering (SCE) organized Celebration of Rashtriya Ekta Diwas "Run For Unity" . **5th September Engineers day (Birth Anniversary of SirVisvesvaraya)**

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

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: Engineering solutions for societal problems by disseminating awareness, understanding and application of Intellectual Proper Rights (IPR) among the students.

Objectives:

- To create the culture of creative thinking and Innovation in the institute.
- To beneficiate society by providing Engineering solutions to various existing problems with the help of right process, tool and techniques.
- To file Design/ Prototype patents from various Projects.
- To make students and faculty members aware of IPR

BEST PRACTICE -II

Title of the practice: Introduces Value Added Courses (VACs) to bridge Industry Academia Gaps

Objectives:

- To provide students with an understanding of the expectations of the industry.
- To improve the employability skills of engineering students.
- To bridge the skill gaps and make students industry ready.
- To foster critical thinking and problem-solving abilities relevant to real-world industry challenges.

- To increase students' exposure to emerging technologies and current industry trends.
- To help students develop professional communication and teamwork skills required in industry settings.
- To encourage innovation and entrepreneurial skills by integrating industry insights into the academic curriculum.
- To prepare students for professional certifications, adding value to their qualifications and enhancing their career prospects

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	No File Uploaded

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

The institution incubates & promotes creativity, innovation through entrepreneurship. The students encouraged and given opportunity to get involved in research efforts. Various value added courses offered by each department which is intended to provide advanced information about latest technology. Beside this, institute takes conscious efforts to take initiatives for energy conservation and renewable energy usage in the college campus. Solar panels are used in the hostel and the college campus. The institute has lush green eco-friendly campus spread over 18 acres. The institution has 500 KW Solar Power Plant installed on the roof top of the building and is connected to the grid. The 500KW solar power generation MoU executed between the institute and Uttarakhand Power Corporation Ltd. The solar powerplant is installed as a green and renewable energy practice. The solar water heaters also installed on the roof top of the girl and boys' hostels to provide the warm water. The solar water heater helps to reduce the use of commercial energy sources and take the institute to the green and renewable energy practices. The institute also includes successive use of the LED and LCD bulbs around the campus. The classrooms, labs, office areas, hostels and the walkways are lined with trees and LED bulbs.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- To become NBA accredited institute.
- To continue to provide congenial learning environment for holistic development of Students, Faculty and Supporting Staff.
- To inculcate online learning through add on courses.
- To continue to provide holistic value-based education
- To inculcate entrepreneurial abilities in students to face the challenges of corporate world.
- To stimulate the academic environment for promotion of quality in teaching-learning process
- To undertake quality-related research studies, consultancy and training programmes
- To conduct various activities that will help students and staff to develop these skills
- To increase Extension activities? To develop more formal linkages through MoUs
- To facilitate continuous upgradation of the college?
- To organise more workshops, seminars and conferences
- To create awareness and initiate measures for protecting and promoting environment
- To promote Research by students and Faculty
- To monitor Quality Assurance and Quality Enhancement activities
- To support various Staff Welfare measures.
- To facilitate Faculty and Student Exchange Programmes with Other Academic Institutions and Linkages.
- To foster and strengthen relationship through Faculty and Student Exchange Programmes.
- To devise techniques to improve Teaching Learning & Evaluation process.
- To continue to provide formal education to needy and deserving students.
- To arrange career guidance programmes.
- To emerge as an exemplar to other colleges.