



YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

1.Name of the Institution		Velagapudi Ramakrishna Siddhartha Engineering College
• Name of the Head of the institution		Dr A V Ratna Prasad
• Designation		Principal
• Does the institution function from its own campus?		Yes
• Phone No. of the Principal		08662582333
• Alternate phone No.		08662582334
• Mobile No. (Principal)		9849599497
• Registered e-mail ID (Principal)		principal@vrsiddhartha.ac.in
• Address		Kanuru
• City/Town		Vijayawada
• State/UT		Andhra Pradesh
• Pin Code		520007
2.Institutional status		
• Autonomous Status (Provide the date of conferment of Autonomy)		27/10/2006
• Type of Institution		Co-education
• Location		Rural

• Financial Status	Self-financing				
• Name of the IQAC Co-ordinator/Director	Dr MVS Raju				
• Phone No.	08662582334				
• Mobile No:	9885199560				
• IQAC e-mail ID	iqac@vrsiddhartha.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.vrsiddhartha.ac.in/annual-reports/				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.vrsiddhartha.ac.in/academic-calendar/				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	A+	3.38	2021	24/08/2021	23/08/2026
Cycle 1	A	3.17	2013	25/10/2013	25/10/2018
6.Date of Establishment of IQAC			06/03/2014		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
V R Siddhartha Engineering College	Margdarshan Scheme	AICTE	13/06/2018	2500000
V R Siddhartha Engineering College	SIRO - Scientific & Industrial Research Organization	DSTR, MSTM GoI	01/01/2017	-
V R Siddhartha Engineering College	Deemed to University	MoE,UGC	11/03/2024	-
V R Siddhartha Engineering College	NIRF	AICTE	06/12/2023	-
V R Siddhartha Engineering College	NIRF Innovation	AICTE	06/12/2023	-
CIVIL Engineering	M.Tech Structural Engineering	NBA	30/05/2024	-
V R Siddhartha Engineering College	ISO 21001:2018	TUV-SUD South Asia Pvt Ltd	21/07/2023	-

8.Provide details regarding the composition of the IQAC:

<ul style="list-style-type: none"> Upload the latest notification regarding the composition of the IQAC by the HEI 	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 	Yes	

compliance to the decisions taken uploaded on the institutional website?		
<ul style="list-style-type: none">• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	Yes	
<ul style="list-style-type: none">• If yes, mention the amount	500000	
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
<p>Significant Contributions Made by IQAC During the Current Year</p> <p>Advancing Research in Emerging Fields Identified key thrust areas for research across departments, provided necessary infrastructural support, and fostered collaborations with reputed institutions. This initiative resulted in enhanced quality research outputs, including high-impact publications, patents, and funded projects. Enhancing EPICS Projects Streamlined the EPICS (Engineering Projects in Community Service) process to focus on innovative solutions for societal challenges. Introduced a structured monitoring mechanism and created opportunities to showcase these projects on prominent platforms, thereby strengthening the institution's reputation.</p> <p>Viksit Bharat @ 2047 Initiative Organized discussions and formulated action plans to define the institution's role in contributing to India's vision of becoming a developed nation by 2047. Efforts included promoting innovative research and capacity-building programs to align with this national objective. Revising Internal Assessment Updated the continuous internal assessment framework to ensure higher-order knowledge attainment. Strengthening Outreach Programs Through National Schemes Successfully integrated institutional outreach programs with major national initiatives such as Swachh Bharat and Skill India, fostering holistic community development and creating a meaningful societal impact. Encouraging Interdisciplinary Research for Societal Solutions Promoted inter-departmental collaboration between engineering and non-engineering disciplines to address critical societal challenges through multi-disciplinary research, resulting in innovative and sustainable solutions.</p>		
12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:		

Plan of Action	Achievements/Outcomes				
Faculty were encouraged to develop and share e-content through the Lecture Capturing System and Multimedia Studio.	A significant repository of e-content was made available on the college's YouTube channel, increasing accessibility and enhancing hybrid teaching.				
Faculty members were motivated to secure research funding from national and international agencies.	Several research projects were successfully funded, fostering a culture of research and academic excellence.				
Industry-collaborative laboratories were promoted, and classroom and library infrastructure were upgraded.	Enhanced facilities provided a more dynamic and supportive learning environment for students.				
Revival of rainwater harvesting systems was prioritized.	Sustainable water management practices were adopted, contributing to environmental conservation efforts.				
Implementation of the UTSAH (Undertaking Transformative Strategies and Actions in Higher Education) portal.	To comply with the requirements of UGC regulations.				
Encouraging interdisciplinary research across all departments.	To address inter and multi disciplinary societal problems				
Departmental R&D Reviews	To identify gaps and foster a strong R&D culture effectively.				
Implementation of the Academic Bank of Credits (ABC)	To meet the requirements of NEP 2020				
13. Was the AQAR placed before the statutory body?	Yes				
<ul style="list-style-type: none"> Name of the statutory body 					
<table border="1"> <tr> <td>Name of the statutory body</td><td>Date of meeting(s)</td></tr> <tr> <td>Academic Council</td><td>28/12/2024</td></tr> </table>		Name of the statutory body	Date of meeting(s)	Academic Council	28/12/2024
Name of the statutory body	Date of meeting(s)				
Academic Council	28/12/2024				
14. Was the institutional data submitted to	Yes				

AISHE ? <ul style="list-style-type: none"> • Year 					
<table border="1"> <tr> <td>Year</td><td>Date of Submission</td></tr> <tr> <td>2023-24</td><td>07/01/2024</td></tr> </table>	Year	Date of Submission	2023-24	07/01/2024	
Year	Date of Submission				
2023-24	07/01/2024				
15.Multidisciplinary / interdisciplinary					
<p>Interdisciplinary Courses Offered To further enhance multidisciplinary learning, the following Humanities electives, foreign languages, and other courses are offered: Mandatory courses Health and wellness, Yoga and Sports Biology for Engineers Indian Constitution Environmental studies Technology and Society Professional Ethics and Practice Humanities Electives: Innovation, IPR & Entrepreneurship Foreign Languages (e.g., German Language) Skill Development and Personality Enrichment Courses: Logic and Reasoning English for Professionals Personality Development Quantitative Aptitude To promote multidisciplinary and interdisciplinary education, the institution allows students to opt for advanced and interdisciplinary courses through its Honors and Minor curriculum framework. Honors Program Curriculum Framework The Honors Program enables eligible students from a specific discipline/department to deepen their knowledge by pursuing additional advanced courses within their core discipline. Eligibility Criteria: Students must achieve a minimum CGPA of 8.0 by the end of the 2nd semester with no backlogs. Registration for the Honors Program is initiated at the beginning of the 4th semester. Failure to meet the eligibility criteria leads to the cancellation of the registration, and the student continues with the regular B.Tech program. Program Structure: Students pursuing the Honors Program need to complete 20 additional credits beyond the 160 credits required for the regular B.Tech degree. These credits are earned by undertaking advanced and specialized courses within the same discipline. For example, a Mechanical Engineering student completing advanced courses in their discipline will earn a B.Tech (Honors) in Mechanical Engineering. A maximum of 8 credits per semester can be taken under the Honors Program. Completion Timeline: The Honors Program must be completed concurrently with the major degree program. Students cannot pursue the Honors Program after completing their B.Tech degree. Minor Program Curriculum Framework The Minor Program allows students to explore interdisciplinary learning by taking additional courses outside their core discipline or pursuing industry-relevant tracks. Eligibility Criteria: Students</p>					

must achieve a minimum CGPA of 7.75 by the end of the 2nd semester with no backlogs. Registration for the Minor Program is initiated at the beginning of the 4th semester. Students can take a maximum of two additional courses per semester. Failure to meet the eligibility criteria leads to canceling the Minor Program registration. Program Structure: Students must complete 20 additional credits in their chosen minor specialization, over and above the 160 credits required for the regular B.Tech degree. Courses can be selected from other engineering disciplines or industry-relevant tracks offered by any department. For example: A Mechanical Engineering student can earn a Minor in Civil Engineering by taking courses from that discipline. Alternatively, a student may choose industry tracks such as Data Mining, IoT, Machine Learning, Artificial Intelligence, Robotics, Electric Vehicles, or VLSI, based on the tracks identified by the Board of Studies (BoS). Program Flexibility and Offerings: The institution can introduce multiple Minor programs in emerging technologies based on departmental expertise or collaborations with industry/agencies. There is no cap on the number of Minor programs offered. Completion and Evaluation: The Minor Program must be completed concurrently with the major degree program, with a maximum of 8 credits per semester. A departmental committee evaluates grades/marks earned through external agencies, as approved by the BoS. The Controller of Examinations ensures the conversion of marks and assigns appropriate grades. Students failing to maintain a CGPA of 7.75 in subsequent semesters or having backlogs will lose eligibility for the Minor degree. Such students will be awarded only the B.Tech degree but will receive a separate grade sheet indicating the additional courses completed. This integrated approach ensures students are equipped with both domain-specific expertise and interdisciplinary competencies. Multidisciplinary / interdisciplinary Research Domains in the Institute: Environmental and Sustainability studies Health care and Biomedical Sciences Space Technologies - GIS and Remote Sensing Agriculture Social Sciences and Humanities Education and Learning Sciences

16.Academic bank of credits (ABC):

The University Grants Commission (UGC), with the concurrence of the Ministry of Education, notified "The University Grants Commission (Establishment and Operation of Academic Bank of Credits in Higher Education) Regulations, 2021" in the Gazette of India on 28th July 2021. The Academic Bank of Credits (ABC) platform has been developed by the National e-Governance Division (NeGD) under the DigiLocker framework of the Ministry of Electronics and Information Technology (MeitY). The ABC platform digitally stores the academic credits earned by students from higher education institutions registered

with the ABC. These credits can later be used for awarding degrees, diplomas, or certificates, depending on the credits accumulated by the students.

Features of Academic Bank of Credits (ABC)

The ABC application offers the following features for students:

- ABC ID Registration:** Students can register for a unique ABC ID, which can be shared with academic institutions for any course enrollment or credit transfer.
- Credit Dashboard:** A centralized platform allows students to view their total credits accumulated.
- Credit Transfer/Redemption:** Students can select and transfer specific credits of their choice or redeem them for certificates, diplomas, or degrees.
- Transfer Status Tracking:** The status of credit transfer requests can be tracked in real-time.
- Reinitiation of Credit Transfers:** Students can reinitiate credit transfer requests at their convenience.

Benefits of Academic Bank of Credits

- Flexibility in Learning:** ABC provides students with the freedom to choose courses and academic institutions as per their interests and career goals.
- Recognition of Partial Learning:** Students can opt to exit the program in any academic year and redeem the credits earned for a certificate or diploma, if eligible.
- Seamless Re-entry:** Students can rejoin the same or a different institution at a later time, using the previously earned credits to continue their education.
- Student-Centric Education:** Prevents institutions from retaining students against their will for financial gains, ensuring ethical practices in education.
- Credit Repository:** Students must provide their ABC ID to the academic institutions where they are enrolled. This enables institutions to upload credits to the DigiLocker-National Academic Depository, ensuring secure storage and easy access to credits.

Implementation at VR Siddhartha Engineering College

To ensure the effective implementation and outreach of the ABC program at VR Siddhartha Engineering College, Vijayawada, the following personnel are assigned specific roles and responsibilities:

- Institutional Coordinator:** Oversees the overall implementation of the ABC platform. Ensures registration of students and faculty awareness programs on ABC features.
- Academic Advisors:** Guide students on the registration process for obtaining their unique ABC ID. Assist students in selecting courses and understanding credit transfer/redemption policies.
- IT Support Team:** Facilitates integration of the college's academic database with the ABC platform. Provides technical assistance for uploading credits to the DigiLocker framework.
- Examination Cell Coordinator:** Verifies and uploads academic credits to the DigiLocker-National Academic Depository. Tracks and processes credit transfer requests initiated by students.
- Awareness and Outreach Team:** Organizes workshops, seminars, and orientation programs to educate students and faculty about ABC. Promotes the benefits of ABC through newsletters, notices, and digital platforms.

Outcome Alignment with NAAC

Requirements The implementation of the Academic Bank of Credits at VR Siddhartha Engineering College: Promotes a student-centric learning environment by enabling flexibility in education. Encourages multidisciplinary and interdisciplinary learning as students can earn and transfer credits across institutions and disciplines. Facilitates lifelong learning by enabling students to resume education seamlessly after a break.

17.Skill development:

To enhance students' technical proficiency and industry readiness, the institution integrates skill-oriented and advanced skill courses into the curriculum. **Allocation of Practical Hours:** The allocation of two practical hours for skill-oriented or advanced skill courses will be determined by the relevant Board of Studies (BoS). **Skill Course Completion Requirements:** Students are required to complete three skill-oriented courses from the same domain or across disciplines during the III, IV, or V semesters. **Development of Interdisciplinary Skill Courses:** A comprehensive set of interdisciplinary, job-oriented skill courses will be collaboratively designed by the participating departments/disciplines under the guidance of the Board of Studies. **Each course will include:** A detailed syllabus **Prerequisites for enrollment** Laboratory infrastructure requirements These courses will be integrated into the curriculum of each Engineering branch, enabling students to choose from an approved list. **Options for Skill Course Selection:** Students can pursue skill development through either of the following: **Institution-Provided Courses:** Skill courses designed and offered by the college. **Externally Certified Courses:** Certification courses provided by industries, professional bodies, APSSDC, or other accredited agencies, subject to approval by the Board of Studies. **Assessment and Updates by the Board of Studies:** The respective Board of Studies will regularly evaluate and update the list of advanced skill courses offered by external agencies to include the latest industry-relevant courses. **Credit Allocation for External Certification:** If a student opts for a certificate course offered by an industry, professional body, APSSDC, or any other accredited agency, they will be awarded credits upon fulfilling the following conditions: **Submission of the Course Completion Certificate** issued by the approved agency or professional body. **Endorsement of the certificate by the Board of Studies.**

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

Since the academic year 2017-18, the institute has incorporated the Yoga course into the curriculum under the VR17 framework for all

branches of Engineering. This initiative aligns with India's cultural and spiritual heritage, emphasizing the significance of Yoga as a vital component of well-being and holistic education.

Mandatory Course on Technology and Society The institute also offers a mandatory course titled Technology and Society for all undergraduate programs. This course is designed to integrate elements of the Indian Knowledge Systems (IKS) and achieve the following learning outcomes:

- Understand the Origins of Technology:** Explore the roots of technology and its role in the history of human progress.
- Industrial Revolution and its Impact:** Analyze the Industrial Revolution and its transformative effects on society.
- Technological Advancements:** Interpret key developments in various fields of technology up to the twentieth century.
- Technology and the Environment:** Assess the impacts of technology on the environment and understand the contributions of great scientists.

Significance of Yoga in Indian Knowledge Systems Yoga holds a prominent place in India's cultural and spiritual heritage, with a history spanning thousands of years. It has evolved, shaped by philosophical, religious, and cultural influences. Today, Yoga is not only an integral part of Indian traditions but also a global practice embraced for its physical, mental, and spiritual benefits. In 2014, the Indian government declared June 21st as International Yoga Day to celebrate its global significance and popularity. Across India, Yoga is taught in schools, and universities, and practiced in numerous centers and ashrams, preserving its rich legacy. By including Yoga and the Technology and Society course in its curriculum, the institute aims to provide students with a well-rounded education that integrates traditional Indian values with contemporary technological advancements.

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

Since 2013, the institution has implemented Outcome-Based Education (OBE), making it one of the leading colleges in the country with a meticulously designed, industry-relevant, and flexible curriculum. Each course is structured with clearly defined Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) in line with NBA guidelines.

Accreditation Milestones Undergraduate Programs: Accredited since 2014/15 for Civil Engineering, Information Technology, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, and Mechanical Engineering. **Postgraduate Programs:** Accredited in 2015 for Computer Science and Engineering, CAD/CAM, Electronics and Communication Engineering (Signal Processing), Civil Engineering (Structural Engineering), and Electrical and Electronics Engineering (Power Systems). Innovative

Teaching-Learning Practices The institution adopts student-centric pedagogical approaches supported by ICT tools, Learning Management Systems (LMS), and e-resources to enhance the teaching-learning process. Key practices include: **Experiential Learning:** Hands-on experiences through projects, lab activities, and industrial visits. **Participative Learning:** Group discussions, brainstorming sessions, and collaborative projects. **Problem-Solving Methodologies:** Case-based instruction and project-based learning to address real-world challenges. **Flipped Classrooms:** Encouraging active learning through pre-class preparation and in-class activities. **Field-Based Learning:** Industrial unit visits and research lab exposure for practical understanding. **Role Plays and Brainstorming:** Creative methods to engage learners in critical thinking. Lesson planning, assessment, and evaluation follow Bloom's Taxonomy, ensuring a structured approach to achieving higher-order cognitive, affective, and psychomotor skills. **Assessment and Continuous Improvement** The attainment of COs, POs, and PSOs is measured at the end of every semester using direct and indirect assessment tools. Student performance analysis is aligned with higher levels of Bloom's Taxonomy to identify gaps and implement continuous improvement in content delivery, assessment, and evaluation processes. These measures aim to enhance students' skills and competencies, making them industry-ready. **Industry Collaboration and Focus Areas** To fulfill its Vision and Mission, the institution has identified key focus areas in collaboration with industry experts to provide students exposure to real-world industrial and societal challenges. The establishment of state-of-the-art labs in partnership with multinational companies, government bodies, and private organizations ensures students gain hands-on experience. **Stakeholder Communication** The institution actively communicates the POs, PSOs, and COs of all programs to stakeholders through: Display boards across the campus. The institution's website for easy access. Syllabus books distributed to students and faculty. This comprehensive OBE framework equips students with the necessary skills, competencies, and social consciousness, preparing them to excel as industry-ready professionals while contributing to societal progress.

20.Distance education/online education:

NA

Extended Profile

1.Programme

1.1

16

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 **5724**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 **1403**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 **11331**

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 **758**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 **334**

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1 16

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 5724

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 1403

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 11331

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 758

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	334
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	47
Number of sanctioned posts for the year:	
4.Institution	
4.1	1608
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	138
Total number of Classrooms and Seminar halls	
4.3	1862
Total number of computers on campus for academic purposes	
4.4	1433.22
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

The institute's curriculum is developed and implemented to address regional, national, and global developmental needs, with clearly defined learning objectives and outcomes. It undergoes regular review and redesign based on feedback from stakeholders and in alignment with guidelines issued by regulatory bodies, the affiliated university, and the government. Several Memoranda of Understanding (MoUs) have been signed with local and national

industries to enhance industry relevance, ensuring students are well-prepared for local, national, and global opportunities.

The institute has integrated the Choice-Based Credit System (CBCS) and offers self-learning courses through MOOC platforms such as SWAYAM, NPTEL, Coursera, and industry-specific programs. Value-added courses aimed at improving communication, employability, and entrepreneurship skills have been incorporated into the curriculum. Students also participate in initiatives like Engineering Projects in Community Services (EPICS), internships, and live projects to boost their employability. Mandatory courses recommended by AICTE have been included, and skill-oriented courses delivered by external agencies such as industries, professional organizations, and accredited bodies are introduced to align with the Program Outcomes (POs) and Program-Specific Outcomes (PSOs).

To foster entrepreneurial skills, the institute has established an Entrepreneurship Development Cell (EDC). Programs are further enriched with Minor and Honours components. Students opting for a Minor program complete additional courses in a discipline other than their primary field, while those pursuing an Honours program undertake advanced courses within their main area of study.

Curriculum revision is an ongoing process, ensuring alignment with the evolving requirements of BoS, DAB, industry and society.

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

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

10

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

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

732

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

1.2 - Academic Flexibility

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

66

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

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

16

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

1.3 - Curriculum Enrichment

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

The institute integrates important cross-cutting issues such as Professional Ethics, Gender, Human Values, Environment, and Sustainability into its curriculum. To address these themes, mandatory courses such as the Induction Program, Professional Ethics & Human Values, and Technology and Society are included in the first-year programs. In the second year, students undertake Indian Constitution and Environmental Studies. For third-year students, the curriculum offers a selection of humanities electives, where each student must choose one course from options like Human Rights and Legislative Procedures, Philosophy, Psychology, and Law for Engineers. Additionally, the curriculum includes a mandatory practical course, EPICS (Engineering Projects in Community Services), which requires students to engage with communities, identify local challenges, and develop sustainable, environmentally friendly solutions.

Beyond the curriculum, the institute actively promotes awareness of Human Values, Ethics, Environment, and Gender Equality through various programs and events organized by the NSS unit. Equal opportunities are provided to all students in every activity conducted by the institute. Furthermore, special initiatives and programs are designed specifically to empower female students, fostering Women's Empowerment and gender inclusivity.

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

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

51

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

1.3.3 - Number of students enrolled in the courses under 1.3.2 above**4279**

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

1.3.4 - Number of students undertaking field work/projects/ internships / student projects**5022**

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

1.4 - Feedback System

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

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.vrsiddhartha.ac.in/feedback/
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.vrsiddhartha.ac.in/feedback/
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

1549

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

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

963

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

Assessment Mechanism

The institute identifies slow and advanced learners through:

- **Diagnostic Test:** Conducted at the entry level to assess students' foundational knowledge.

- **Continuous Assessments and Semester-End Examinations:**
 - Students scoring less than 50% in continuous assessments and with backlogs are classified as slow learners.
 - Students achieving a CGPA above 7.75 are categorized as advanced learners.

Measures to Improve the Performance of Slow Learners

- **Bridge Classes:** Organized to address gaps in knowledge and align with course requirements.
- **Remedial Classes:** Conducted to help students reach expected learning levels.
- **Counselling Sessions:** Regularly held to provide academic and emotional support. Individual proctor diaries track academic progress and participation in activities.
- **Expert Lectures:** Delivered on personality development, communication skills, stress management, and positive attitude building.
- **Quality Circles:** Advanced learners mentor slow learners by clarifying doubts and motivating them to improve.

Measures to Enhance the Performance of Advanced Learners

- **Choice-Based Credit System (CBCS):** Introduced from the second year to enable flexibility for internships and industry projects.
- **Advanced Training Programs:** Focused on innovation and industry-relevant skills.
- **Research Publications:** Encouraged to publish projects in reputed journals and Scopus-indexed conferences.
- **Industry-Driven Competitions:** Participation in hackathons, technical events, and national/international competitions.
- **Entrepreneurship Development:** Supported in launching startups and exploring entrepreneurial opportunities.
- **Competitive Examinations:** Guidance for exams like GATE, GRE, and CAT.
- **Self-Learning :** Promoted through platforms like SWAYAM, NPTEL, and Coursera.
- **Placement Preparation:** Focused on achieving high-end job offers with competitive packages.
- **Participation in Academic Events:** Opportunities for conferences, paper presentations, seminars, quizzes, and global certifications.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/06/2024	5724	334

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

Experiential Learning and ICT in Teaching-Learning

- **Internships:** The institute facilitates internships and industry projects through MOUs with industries and premier institutions to provide practical exposure to students.
- **Collaborative Laboratories:** Collaboration with companies like SIEMENS, DASSAULT, IBM, ORACLE, CISCO, and NI Academy offers industry-relevant training to meet current market needs.
- **Industry-Driven Competitions:** Students participate in national and global competitions like Code Vita, Hackathon, Hackerearth, and CodeChef, encouraging real-world problem-solving.
- **Field Visits:** Organized to give students a hands-on experience of industry operations and challenges.
- **MOODLE:** The institute uses MOODLE for asynchronous learning, offering group tasks, video lectures, PPTs, and case studies to enhance knowledge.

Participative Learning

- **Workshops/Seminars:** Participation in workshops and seminars on modern trends and technologies with inputs from industry experts helps students stay updated.

- **Group Tasks and Mock Interviews:** From the second year, students engage in group tasks and mock interviews to develop soft skills and confidence.
- **Model Development/Case Studies:** Opportunities to apply theoretical knowledge in developing models or solving case studies.
- **Field Visits:** Students visit industries to correlate theoretical concepts with real-world applications.

Problem-Solving Learning

- **Projects:** Mini and major projects focus on real-time problems, encouraging experimentation, analysis and design.
- **Assignments:** Students are assigned individual or group tasks to address case studies and industry needs, fostering problem-solving skills.
- **Open-Ended Problems:** Students work on open-ended problems such as hackthons, Ideathons, Webathons and Codethons to develop innovative solutions to industry and society.

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

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

All classrooms are equipped with ICT-enabled tools to support an interactive and modern teaching-learning process. Students and faculty can access NPTEL Video Lessons, e-books, and e-journals across the campus for self-learning. Additionally, faculty prepare video lectures that are available on the college website, enhancing students' access to learning materials.

The institute uses Moodle, a Learning Management System (LMS), to facilitate blended learning, flipped classrooms, and other e-learning projects. The LMS incorporates key features such as:

- Asynchronous learning
- Activity-based learning, such as quizzes, group activities, and problem-solving exercises
- Video demonstrations and PowerPoint presentations for ICT-

based learning

- Implementation of value-added courses with assessments
- Uploading of question banks and assignments for academic performance improvement
- Assignment submission links for students to submit their work within specified deadlines
- Availability of course materials and instructional content
- Online exams and classwork
- Online laboratory sessions

By leveraging these ICT tools and the Moodle platform, the institute enhances student engagement, fosters interactive learning, and supports academic excellence.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.vrsiddhartha.ac.in/e-content-development/
Upload any additional information	No File Uploaded

2.3.3 - Ratio of students to mentor for academic and other related issues**2.3.3.1 - Number of mentors****293**

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

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

- The academic calendar is prepared and communicated to all relevant functionaries, reviewed if necessary, before its approval by the academic council to ensure strict adherence.
- The academic calendar is prepared by earmarking the semester-wise schedules. It takes into account the minimum number of working days, factoring national and public holidays, festival breaks, summer vacation, as well as college events like fests, training programs and placement activities.

Preparation of Course Plan

Faculty members prepare detailed teaching plans as part of their course files, considering the following elements:

- Syllabus content to be delivered
- Time allocation for each topic
- Teaching methodologies to be employed
- Assessment tools and techniques
- Incorporation of contemporary developments in the subject
- Cognitive learning outcomes

Review and Monitoring

- Course Coordinators conduct regular reviews of the respective courses.
- Module Coordinators review the delivery and assessment methods, ensuring they align with the course modules.
- Programme Coordinators carry out comprehensive reviews to ensure overall curriculum coherence and adherence to the academic calendar.
- DAB

The institute strictly adheres to the academic calendar, with deviations allowed only in unforeseen circumstances, provided they do not affect overall deadlines. Any significant changes are subject to approval during meetings chaired by the Principal, involving Deans and Heads of Departments.

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

2.4 - Teacher Profile and Quality

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

334

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

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

186

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

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

3619

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

2.5 - Evaluation Process and Reforms

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

15

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

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

0

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

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

Examination schedules are developed in alignment with the institute's Academic Calendar. Relevant circulars are circulated to conduct continuous assessments, and mini and major projects are reviewed at three key stages.

The marks obtained by students are uploaded to the CMS-VRSEC ONLINE platform, and hard copies of the mark lists are submitted to the examination branch for further scrutiny, record-keeping, and storage.

Both pre-examination and post-examination processes are integrated with EMS services using the BeeS examination tool. This system streamlines the entire process—from notifying exams on the college website, fee payment through a secure payment gateway, preparing the database of eligible candidates, to generating pre-printed bar-coded OMR answer booklets. The post-examination tasks, including the declaration and issuance of mark memos, are also managed electronically.

A day-wise, room-wise, and semester-wise seating arrangement is prepared for all examinations. Faculty members from various

departments are appointed as invigilators. End-semester exam question papers are set by external faculty with a minimum of three years of teaching experience in the subject, selected from an approved list of paper setters. Special care is taken to ensure that the syllabus is adequately covered, course outcomes (COs) are mapped, and Bloom's taxonomy is followed.

Special squads of internal and external faculty oversee the examinations, and prompt actions are taken by the Malpractice Enquiry Committee in case of any malpractice. Additionally, relevant accommodations are made for physically challenged students with a minimum 40% disability, in accordance with norms.

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

2.6 - Student Performance and Learning Outcomes

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

The college ensures effective dissemination of Program Outcomes (POs), Course Outcomes (COs), and Program Specific Outcomes (PSOs) to both teachers and students through multiple channels.

Communication to Students and Teachers:

- **Communication through Website:**
 - **College Website:** The POs are prominently disseminated on the college website (www.vrsiddhartha.ac.in) for effective communication
 - **Department Websites:** COs are also published on respective departmental websites, ensuring students have access to this information forever.
- **Manual Communication:**
 - **Induction Programme:** During the first-year induction program, lecture demonstrations are organized where POs are presented to students, ensuring they understand the program's objectives.
 - **Introduction of Course Outcomes:** At the beginning of each course, the respective COs are introduced to the students to align their expectations and learning goals.

- **Other ways of communication:**
 - **Curriculum Books:** COs and their mapping with POs are published in the syllabus books for easy reference.
 - **Display Boards:** The POs are strategically placed throughout the campus through display boards to raise awareness among students.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	https://www.vrsiddhartha.ac.in/co-po-attainment/

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

Attainment of Outcomes:

Each course is associated with Course Outcomes (COs), which are mapped to the corresponding POs. The attainment of COs are evaluated based on the performance of the students. Attainment of COs, in turn, provides evidence for the accomplishment of POs.

Methods for Assessment, Evaluation, and Measurement of POs:

1. Direct Assessment Methods:

- COs are evaluated through various assessments such as Sessional Examinations and Class tests, Home Assignments and Semester-End Theory and Practical Examinations.
- Faculty members conduct a CO analysis for each course, which is documented in the Faculty Course Assessment Report. The contributions of COs towards POs are assessed at high, moderate, and low levels.

2. Indirect Assessment Methods:

- **Course-End Survey:** Students provide feedback at the end of each semester for all courses, assessing their satisfaction with the achievement of COs.
- **Programme Exit Survey:** Conducted with final-year students upon the completion of their B.Tech program, this survey serves as supporting evidence for PO assessment.

- **Alumni Survey:** An annual survey is conducted through Google Forms or email to gather alumni feedback regarding the attainment of POs.
- **Employer Survey:** This survey is administered to employers to measure the extent to which POs have been attained, based on the performance of graduates in the workforce.

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

2.6.3 - Pass Percentage of students

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

1397

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

2.7 - Student Satisfaction Survey

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

<https://www.vrsiddhartha.ac.in/student-satisfaction-survey/>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

VRSEC has well-defined policies on Research, Consultancy, IPR and Incubation activities for promoting research, and consultancy and they are available in the website. The promotion of research is

supported through various initiatives, including capacity-building programs, collaborations, incentives and integrating to PBAS- Performance Based Appraisal System, besides focusing thrust areas such as Cyber security in CSE, 3D Concrete Printing in CE, MEMS integrating with VLSI in ECE, Electrical Vehicles in EEE, Composites Materials in ME and GIS and Remote Sensing in IT.

The VRSEC is providing Seed grants to faculty and financial support to students to support their innovative research work. The students are also publishing papers in quality journals through their projects and EPICS. The institution take care about the quality and originality of the research through plagiarism software (Turnitin).

Research and Development Highlights:

- R&D Grant received: Rs.343.5 lakhs from SERB-DST, ISRO, NRSC, etc.,
- Seed Grant: Rs.16.826 lakhs
- Consultancy Revenue generated: Rs.153.01 lakhs
- Publications and Citations:
 - Research publications: 923 (journals, conference papers, and book chapters in Scopus DB).
 - Citations: 1,112
- Capacity-Building Programs organized in Research & IPR: 92 programs
- PhD Supervisors: 64 faculty are recognized as PhD Supervisors, including 10 new Supervisors during the year.
- Collaborations: 81 MoUs for Internship, Research, Consultancy, Placements, etc,
- Research Support: Rs.27.54 lakhs as incentives for publications, research projects, and IPRs.
- Research Facility and Equipment: Rs. 81,13,940/-
- Journals Subscription: Rs. 23,46,557/-

These efforts reflect the institute's commitment to fostering a robust research ecosystem while promoting research and innovation by the faculty and students.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.vrsiddhartha.ac.in/wp-content/uploads/policy/research_policy.pdf
Any additional information	No File Uploaded

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

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

16.826

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

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

65

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

3.2 - Resource Mobilization for Research

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

343.5

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

3.2.2 - Number of teachers having research projects during the year

47

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.vrsiddhartha.ac.in/rd/
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

64

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

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

6

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.vrsiddhartha.ac.in/rd/
Any additional information	View File

3.3 - Innovation Ecosystem

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

The institute has developed a robust framework to foster innovation and knowledge exchange. With dedicated centers for research, entrepreneurship, and Community Outreach. Students are addressing societal challenges through their innovative solutions by EPICS (Engineering Projects for Community Service). The ecosystem not only benefits the community at larger but also students and faculty encouraging innovations & start-ups (20).

- The Institute Innovation Council is very active in connecting students and faculty of all Departments.
- Created Incubation centers in all engineering departments to nurture innovative ideas to transform them into successful Start-Ups.
- MIC Calendar and Self driven activities conducted, during the year: 60 events.
- Established self-financed V R Siddhartha TBI foundation to promote a culture of innovation- build competencies through practical, hands-on experiential learning, and empower entrepreneurs to launch successful ventures.

Some of the Prominent Achievements:

- NIRF Innovation Ranking 51-100 in the year 2023
- The institute is approved as a Host Institute (HI) for implementation of the Incubation component under the MSME Innovative Scheme (Under the MSME Champion scheme). Under which, three projects sanctioned to a worth of Rs. 40 lakhs from MSME during the year.
- The institute selected as a mentor Institute, under the Mentor-Mentee scheme by the MIC, where five institutions are mentored.
- 22 faculty members are trained as Innovation Ambassadors by

the MIC.

- Start-ups incubated: 20
- Innovation recognitions/awards from prominent institutes: 20
- Students Innovation Funded: Rs.12,87,518
- Total Innovation grants from prominent sponsoring organizations (MSME, IIT Hyderabad, IIT Tirupati, etc) in the last three years: Rs.91,00,765.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/institution-s-innovation-council-iic/

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

92

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

3.4 - Research Publications and Awards

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

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

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

3.4.2.1 - Number of PhD students registered during the year

6

File Description	Documents
URL to the research page on HEI website	https://www.vrsiddhartha.ac.in/rd/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

292

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

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

393

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/rd/

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

3.4.5.1 - Total number of Citations in Scopus during the year

18531

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

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

3.4.6.1 - h-index of Scopus during the year

51

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

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

153.011

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

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

60,92,964

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

3.6 - Extension Activities

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

The NSS unit of the institution along with the Departments, has been actively engaged in 73 impactful outreach activities, addressing diverse societal issues and fostering community welfare with around 10627 students participated in extension activities.

- **Swachh Bharath Initiatives:** Nine activities focused on cleanliness drives, including removing plastic waste from roadsides and planting trees in villages and urban areas.
- **Environmental Protection:** Five activities targeted reducing energy wastage and mitigating vehicular pollution, raising awareness about sustainable practices.

- **Health Campaigns:** 500 students, faculty, and non-teaching staff are benefited through two vaccination drives. Additionally, 09 health-related activities were undertaken, such as early cancer detection in rural areas, health, nutrition initiatives for girls and pulse-polio vaccination programs.
- **Blood Donation Drives:** Three blood donation drives and one awareness program saw the participation of 500 students and faculty.
- **National and Cultural Events:** Six calendar events of national importance, including Independence Day, Youth Day, Yoga Day, etc were celebrated with 690 students participation.
- **Empowerment and Education:** Several extension activities such as rights of the girl child, focusing on education, health, and nutrition, Voter enrolment drives, books distribution to underprivileged children to support education.

These initiatives have addressed critical social issues and instilled a sense of responsibility, empathy, and teamwork among students, contributing to their holistic development and sensation.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/nss-u/

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

22

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

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

organised in collaboration with industry, community and NGOs)

73

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

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

10627

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

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

230

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

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

81

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institute has a lush green campus spread over 24.05 acres, featuring infrastructure that includes a 30,637.64 sq.m instructional area and a total built-up area of 83,697 sq.m. The facilities comprise total 124 classrooms out of which 09 are smart classrooms, 138 laboratories, 14 seminar halls and an auditorium with a seating capacity of 600.

All classrooms and Seminar halls are equipped with ICT facilities, natural & artificial lighting, proper ventilation, multimedia projectors, Wi-Fi connectivity, podiums, fans and glass boards. Smart classrooms are further enhanced with smart interactive boards with advanced audio-video systems besides the above ICT facilities to elevate the teaching-learning experience.

The laboratories are outfitted with cutting-edge equipment and meticulously maintained to ensure optimal performance. Regular upkeep includes system maintenance, antivirus and software updates, calibrations, and servicing. In addition to standard curriculum-based labs, the institution has established 23 specialized laboratories and Centers of Excellence (COEs) in collaboration with industry partners, focusing on skill enhancement in emerging technologies.

The campus boasts comprehensive mobility-aware Wi-Fi coverage, ensuring seamless connectivity with abundant bandwidth. A fiber optic backbone of 1 Gbps connects all computers to the campus network, supporting efficient academic and administrative operations.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/green/

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

The Institute spans 10 acres, including a dedicated playground and

comprehensive facilities for sports and recreation managed by the Department of Physical Education. The department supports both outdoor and indoor games, and the campus is a proud host of inter-university zonal tournaments.

To foster cultural and creative engagement, the college has established vibrant cultural clubs at both the departmental and institutional levels. These include the Literary, Photography, and Music clubs, which are coordinated by a dedicated cultural coordinator to ensure seamless organization of activities and events.

Yoga activities are integrated into the academic curriculum through a dedicated Yoga course. Sports facilities are extensive, accommodating Cricket, Football, Volleyball, Ball Badminton, Kho-Kho, Tennikoit, Throwball, and Basketball along with two Cricket Net Practice arenas, a 400-meter eight-lane track, and facilities for long jump, high jump, shot put, and discus throw.

A built up area of 666 sq.m is available for indoor sports such as Table Tennis, Badminton, and Chess. Gymnasium facilities are available in the Physical Education Department and the women's hostel, with cardio equipment such as cross trainers and treadmills. The women's hostel also features two outdoor badminton courts and a recreation room with table tennis, carom boards, and chess.

The boys' hostel is similarly well-equipped, offering recreational facilities that include a volleyball court and two badminton courts, ensuring a balanced and engaging campus life for all students.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/physical-education/

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

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

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

742.34

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

4.2 - Library as a Learning Resource

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

The Library follows open access system, encouraging the user to browse freely in the stock area. It is fully automated using the following Integrated Library Management System:

- Name of the ILMS software: Libsys LSM
- Nature of automation (fully or partially): Fully
- Version: 10
- Year of automation: 1995
- Online Public Access Catalogue +(OPAC) : Open for all students and staff through remote access throughout the campus.

Integrated Library Management Software:

The important role that the Library Management System will play in planning and implementing library automation projects, it is necessary to educate ourselves and know more about these systems. This will introduce you to library automation and will focus on integrated library systems (ILS), which is an essential component in library automation. A library management system, also known as

an automated library system is software that has been developed to handle basic housekeeping functions of a library. The functions that may automated are any or all of the following: acquisition, cataloging, Circulation, serials management and usage reports. The library management system shares a common database to perform all the basic functions of a library, the system is integrated. This year we put into the cloud service.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/central-library/

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

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

29,70,599

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

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

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

669

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

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

The institute provides uninterrupted internet access with a robust bandwidth of 1 Gbps, supported by multiple redundant leased line connections to ensure reliability. Internet Service Providers:

1. Reliance Jio Infocomm: 300 Mbps (1:1 leased line)
2. TATA Tele Services: 700 Mbps (1:1 leased line)
3. BSNL: 30 Mbps

Wi-Fi Coverage: The campus is equipped with 200 strategically placed Wi-Fi access points, covering key areas such as the library, classrooms, labs, faculty cabins, seminar halls, and open spaces. These access points are centrally managed by two Wi-Fi controllers, ensuring seamless and high-quality wireless connectivity for students and faculty alike.

Comprehensive Internet Access: The entire campus, including labs, classrooms, corridors, faculty cabins, library, department offices, seminar halls, conference halls, and hostels, is equipped with both wired and wireless internet access to cater to diverse user needs.

Computers with Internet Connectivity: The campus hosts 1862 internet-enabled computers to support academic and administrative activities.

Campus Network Infrastructure: The institute's network operates on a fiber optic backbone with 1 Gbps connectivity, which is scalable to 10 Gbps for future requirements.

Security Measures: The institute has implemented advanced network security protocols:

- IPv4 subnets are allocated to all departments.
- Department-level VLANs are configured within network switches to ensure data isolation and secure access.
- A

SOPHOS XGS-4300 Firewall with Xstream Protection bundle. Extreme value and protection our network. Includes essential network, web, and zero-day protection, and Sophos Central VPN orchestration (site-to-site and remote access) with advanced Central Firewall Reporting.

Expenditure on Firewall Infrastructure: ₹12 lakhs

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/wp-content/uploads/policy/it_policy.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
5724	1862

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus **A. ₹50 Mbps**

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

4.3.4 - Institution has facilities for e-content development: **A. All four of the above** **Facilities available** **for e-content development Media Centre** **Audio-Visual Centre Lecture Capturing** **System (LCS) Mixing equipments and** **software for editing**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/e-content-development/
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

1433.22

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

The institution has implemented a structured maintenance policy to ensure the proper upkeep of its physical, academic, and support facilities. The processes are designed to address issues efficiently and maintain operational excellence.

Operating Procedure:

1. **Reporting Issues:** Departments report any maintenance-related issues to the maintenance in-charge via email.
2. **Assignment of Tasks:** The maintenance in-charge assigns the issue to a skilled technician or personnel to address the problem.
3. **On-Site Resolutions:**
 - If no additional materials are required, the technician resolves the issue on-site promptly.
 - If additional materials are necessary, a formal request (indent) is submitted to the maintenance section.

1. Material Procurement:

- For materials available in-house, the maintenance section processes the request.
- If external procurement is required, approval is sought from the maintenance in-charge or the Head of the Institution. Necessary arrangements are then made to acquire the materials, ensuring the issue is resolved promptly.

Additional Maintenance Activities:

1. **Electrical Safety:** Annual inspections of electrical installations are conducted in collaboration with the Directorate of Electrical Safety, Government of Andhra Pradesh, to ensure safety and compliance.
2. **Fire Safety:** Fire safety inspections are carried out annually by the AP State Disaster Response and Fire Service Department.
3. **Mechanical Workshop Services:**
 - The Department of Mechanical Engineering manages the central workshop facility.
 - Services include fabricating custom cabinets and desks, installing doors and windows, and creating display frames for banners and signage.

The comprehensive maintenance policy ensures the institution's facilities remain functional, safe, and conducive to academic and administrative activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/wp-content/uploads/policy/maintenance_policy.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

3208

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

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

502

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

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

A. All of the above

File Description	Documents
Link to Institutional website	https://www.vrsiddhartha.ac.in/igac-activities-2023-24/
Details of capability development and schemes	View File
Any additional information	View File

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

5394

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

B. Any 3 of the above

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

5.2 - Student Progression

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

1429

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

5.2.2 - Number of outgoing students progressing to higher education

79

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

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

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

182

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

5.3 - Student Participation and Activities

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

63

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

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

The college involves the students who are primary stake holders to the utmost possible extent in various administrative bodies/committees. Students are involved in the following committees 1. Student Council 2. Internal Quality Assurance Cell (IQAC) 3.Department Advisory Boards (DAB) 4.Central Library 5.Anti

- Ragging Coordination committee 6.Internal Complaints Committee(ICC) 7.Canteen committee 8.Hostel mess and ambience 9.Student professional Chapters 10.Sports Committee 11.NSS Committee 12.Internal Committee 13.Women Welfare committee 14.Training & Placement Cell. It's not only for listening to voices of the students but also to make the main integral part of the very functioning of the units in varying degrees based on the kind of the functional units. In addition other following functional units, the college student council has been in place. Levels of student involvement:

- Administrative planning,
- Discipline regulatory Monitoring unit
- Functioning related to career oriented activities,
- College level Amenities Facilities
- Units of Co & Extracurricular planning execution.

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

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

20

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

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

Alumni Association of V.R. Siddhartha Engineering College was registered as a society named as VR Siddhartha Engineering College Old Students Association {VRSECOSA}. The Alumni have created a

corpus fund of Rs.4 crores , the interest of which is being utilized for various uses such as scholarships to the economically challenged students. Alumni Association initiated a Scholarship programme "SIDDHARTHA SAHAAYA". Under this programme, meritorious and economically poor students are identified and selected in the first year of their Engineering programme. Each student is awarded Rs. 15,000/- per year towards his/her living expenses and gets continued for four years of the programme. 137 Scholarships of Rs20.55 Lakhs were disbursed during the academic year 2023-24. About 26 Guest lectures were delivered by the alumni in the academic year 2023-24.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.vrsiddhartha.ac.in/scholarships/

5.4.2 - Alumni's financial contribution during the year

D. 2 Lakhs - 5 Lakhs

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 an effective leadership in tune with the vision and mission of the Institution

The vision and mission statements define the Institute's unique identity in addressing stakeholder needs. The Management, Principal and other leadership actively participate in the Governing Body and academic council to ensure policy statements and action plans align with the Institute's mission. The vision and mission are disseminated to all stakeholders and involve them in formulating policies.

The Head of the Institution establishes rules and regulations in consultation with the Governing Body and Academic Council. Regular reviews on Key Performance Indicators (KPIs) are conducted through meetings with various statutory and non-statutory committees to assess action plan outcomes. Necessary modifications to action

plans are made as and when required. The quality policies are reviewed and updated to maintain relevance and effectiveness.

Deans implement instructions from the Principal and provide feedback and suggestions for improvement. Heads of Departments (HODs) oversee content delivery, ensure effective teaching and learning processes, monitor the mentorship system, maintain and upgrade centres of excellence, and ensure the calibration and maintenance of equipment.

Senior professors supported by faculty members, serve as conveners of non-statutory committees and assist the Principal in administrative and academic processes. Teachers play an active role in both academic and administrative activities, contributing to the institution's overall development.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.vrsiddhartha.ac.in/governing-body-minutes/

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

The Institute emphasizes the principles of participative management and decentralization in all its activities, fostering a collaborative environment while maintaining an appropriate balance between transparency and confidentiality. These principles are embedded into the governance structure of the institution, ensuring that decision-making processes are inclusive and responsibility is shared across various levels.

To achieve this, the institution has established a robust framework comprising four statutory bodies—namely

1. Governing Body
2. Academic Council
3. Finance Committee
4. Boards of Studies

which are enclosed in weblink. These bodies are tasked with overseeing critical aspects such as governance, academic planning, financial management, and curriculum development, ensuring

alignment with the Institute's objectives.

At the departmental level, three committees

1. Board of Studies (BoS)
2. Department Advisory Board (DAB)
3. Programme Assessment Council (PAC)

work to address specific departmental needs, bridging the gap between institutional policies and their implementation. Additionally, 13 non-statutory bodies are in place to manage various functional areas, providing flexibility and adaptability in handling administrative and academic tasks. Furthermore, 12 Institute-level committees are tasked with addressing broader institutional concerns and facilitating seamless coordination across different departments and activities.

Each of these bodies and committees operates with well-defined roles and responsibilities, ensuring clarity in their functioning and promoting accountability. This decentralized structure not only enhances efficiency but also empowers faculty, staff, and other stakeholders to actively contribute to the institution's decision-making processes, fostering a sense of ownership and collaboration throughout the organization.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://www.vrsiddhartha.ac.in/institute-level-committees/

6.2 - Strategy Development and Deployment

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

The institution has demonstrated exceptional success in achieving the objectives outlined in its 2015-2020 strategic plan. Building on this achievement, the institution has developed a comprehensive second five-year strategic plan (2020-2025) designed to address the dynamic needs of the educational landscape according to the change in scenario of Higher Education. This plan is focused on

three overarching strategic goals, each of which is supported by clearly defined Key Performance Indicators (KPIs) to track progress effectively.

Strategic Goals

1. Teaching, Learning, Resources and Graduation Outcomes:

This goal focuses on improving the quality of education through innovative curriculum and teaching methodologies, leveraging modern learning resources, and ensuring favourable graduation outcomes. The aim is to equip students with the necessary skills and knowledge to thrive in their careers and contribute to society.

2 Comprehensive Student Development:

Recognizing the importance of holistic growth, the institution is committed to fostering all-round student development. This includes academic excellence, personal growth, professional readiness and research & innovation through curricular, co-curricular, and extracurricular initiatives.

3. Research, Innovation, and Professional Practice:

The institution aims to foster a culture of research and innovation while enhancing professional practices among faculty and students. This involves advancing the quality and quantity of not only research outcome but also teaching learning processes promoting multi-disciplinary innovation, and creating opportunities for professional growth and knowledge dissemination.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/wp-content/uploads/2019/09/Strategeic-plan_2020-25.pdf
Upload any additional information	No File Uploaded

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

The institute operates through a well-structured Organogram that defines the roles and responsibilities of various administrative bodies, ensuring efficient management and accountability at all levels.

Administrative Framework and Policies

The institution has established comprehensive service rules and policies to support its functional and operational aspects. Key policies such as recruitment, promotion, and incentive frameworks are in place to ensure transparency and consistency in administrative and academic processes.

A robust web-based grievance redressal mechanism, accessible through the Institute website, addresses grievances systematically and impartially while maintaining confidentiality. This mechanism provides an accessible platform for students and staff to voice their concerns effectively.

Governance Structure

The administrative hierarchy of the Institute promotes decentralization, participative management, and transparency through the following:

- **Statutory Bodies:** Four key bodies (Governing Body, Academic Council, Finance Committee, and Boards of Studies) that oversee governance, academics, finance, and curriculum development.
- **Non-Statutory Bodies:** Thirteen committees that handle specific institutional functions and initiatives.
- **Institute-Level Committees:** Twelve committees responsible for addressing broader institutional issues.
- **Department-Level Committees:** Three committees that focus on departmental goals and operations.

Institutional Policies

The Institute has implemented several policies to guide its academic, administrative, and operational activities, including:

- **Recruitment and Promotion Policies:**
- **Conduct Rules for Students and Faculty:**

- Examination Procedures:
- Anti-Ragging Policy
- E-Governance Policy
- Research and Development Policy
- Consultancy Policy
- Intellectual Property Rights (IPR) Policy
- Anti-Plagiarism Policy
- Incentive Policy
- Document Retention Policy

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.vrsiddhartha.ac.in/autonomous-organogram/
Upload any additional information	View File
Paste link for additional Information	https://www.vrsiddhartha.ac.in/policies/

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
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

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

The following are the welfare measures extended to the teaching and non-teaching staff of the Institute:

Teaching Staff:

- Health cards to all the employees to get treatment at

Pinnamaneni Siddhartha Institute of Medical Sciences, Gannavaram (Sister concerned medical institution) at discounted prices. (For both teaching and non-Teaching staff)

- Employees Provident Fund (EPF) and Group savings linked insurance (GSLI)/ gratuity for all regularized teaching and non-teaching staff.
- Maternity Leave for female teaching and non-teaching staff.
- Half-pay medical leave for teaching and non-teaching staff members
- Special casual leaves for attending conferences and workshops.
- Study leaves for higher education and qualification improvement
- Financial support for Registration fees, Dearness allowance, Travel grants for faculty attending conferences and workshops.
- Providing subsidies for purchasing laptops to faculty members that supports their professional development, enhances teaching effectiveness, and encourages the integration of technology in education.

Non-Teaching Staff:

- Siddhartha Kalapeetham scholarship is provided for children of non-teaching staff whose parental annual income is Rs.1 lakh.
- In the event of the death of an employee in service, his/her dependant will be considered for employment on compassionate grounds, depending upon the merit of the case, limited to the cadre Junior Assistant, subject to the eligibility of the individual concerned and the availability of vacant posts.
- Employee Staff Insurance (ESI) for all the staff members having a salary of less than 21,000/- per month. Uniform (dress code) at free of cost to the class-IV employees.
- Loans at low interest rates through Employee's cooperative society.

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

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

163

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

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

59

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

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

238

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institute has a mechanism of both internal and external audits

for the financial activities carried out in the Institution every year. Accounts department maintains financial accounts, prepares financial statements audited by external auditor and submits them to all the statutory bodies like AICTE, UGC and State Government as and when required. The Institute maintains its accounts and auditing records since its inception. For effective auditing, the Institute has both internal and external audit mechanisms.

Internal Audit: The Principal constitutes an Internal Audit Committee with three members. The audit is conducted on a sampling basis to check the correctness of the financial transactions and statement affairs of the Institution. The committee verifies cashbook, bank accounts, ledgers, bills, vouchers, and statement of cash position and cash flow physically and conducts sample check on the heads of various accounts, balance dates, and postings.

External Audit: M/S Rajeswar and Co., Vijayawada, have been auditors for the Institution from the past two decades. An annual external audit is conducted, and the reports are submitted to the management. The Finance Committee ratifies these reports. With all statutory obligations duly complied, there were no major audit objections until the last audit. Audit of funds received from Government and Non-Government research funding agencies and consultancy is duly done as per the guidelines of the funding agencies as and when required and submitted.

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

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

8.89

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

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

The institution has developed strategies for mobilizing resources and ensures transparency in financial management. The Institute follows established procedures and processes for planning and allocation of financial resources. The income and expenditure of the institution are subjected to regular internal and external audits. The income and expenditure of the institution are subjected to regular internal and external audit.

Income: Tuition fee, research grants, consultancy, alumni funds, philanthropist funds and interest on bank deposits

Expenditure: Salaries and Benefits, Power and Fuel, Printing and Stationery, Postage and Telephones, Periodicals and magazines subscriptions journals, Affiliations and Renewals, Travelling and Conveyance, repairs, replacements, maintenance, upkeep, advertisement, audit fee, taxes and licenses, Miscellaneous, Depreciation, Furniture, Laboratory Equipment and consumables, etc., Establishing Centres of excellence and Industry Collaborative Labs. Library, R & D and incentives, Skill Development and Innovation, Training & Placement, Software procurement, up-gradation, and maintenance, Wi-Fi, Internet & Networking Student Services- NCC, NSS, Sports, Scholarships to merit and poor students.

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

6.5 - Internal Quality Assurance System

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

The Internal Quality Assurance Cell (IQAC) of VR Siddhartha Engineering Institute has played a pivotal role in institutionalizing a range of quality assurance strategies and processes to enhance the overall academic and research standards of the institution. The IQAC's initiatives aim to ensure continuous improvement, fostering a culture of academic and research excellence, and aligning NEP-2020. Among the various initiatives, the following strategies have been successfully implemented:

1. Creating & maintaining students' tempo required for subsequent years, from the 1st year.
2. Analysing Impact of Academic Audit on expected outcomes, do the departments really achieving what they are expecting.
3. Institutionalization of YouTube channel at Institute level.
4. Implementation of UTSAH (Undertaking Transformative Strategies and Actions in Higher Education) Portal
5. Awareness creation on NAAC Reforms - Universities, expectations of the Government.
6. Conduction of Departmental R & D Reviews - 2023, 2022 & 2021
7. Awareness creation on Viksit Bharat @ 2047 - Role of Indian Universities
8. Promotion of Inter-departmental / multi-disciplinary research among Engineering and Non-Engineering departments for addressing societal challenges for comprehensive solutions

MEETING NO: 31,32,33,34

<https://www.vrsiddhartha.ac.in/iqac-meetings/>

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/iqac-meetings/

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of

operation and learning outcomes at periodic intervals through its IQAC as per norms

The Internal Quality Assurance Cell (IQAC) at VR Siddhartha Engineering College (VRSEC) has implemented a well-defined audit mechanism to continually assess and improve the Teaching-Learning process and ensure that the learning outcomes of the courses meet the desired standards. Below are the key mechanisms of the institutional quality assurance strategies that contribute to its success:

1. Regular Academic Audit

The IQAC regularly reviews the Teaching-Learning process through Academic Audit (AA) to ensure OBE. Where experts from institutions of reputation (IITs and NITs) are invited to audit various components of AA proforma. HoDs are directed to develop a mechanism to address the identified lapses and the same is monitored by the IQAC in the subsequent AA.

2. ISO 21001:2018 Audit

The institution also adopts an ISO audit mechanism to ensure that all processes, structures, and methodologies of operations are systematized and streamlined for effective implementation.

3. Feedback is gathered from multiple sources, including students, faculty, and external experts. This structured feedback is then thoroughly analysed to identify strengths and areas for improvement. Based on this analysis, appropriate follow-up actions are taken to ensure that the institution meets and exceeds the expected academic standards.

4. A teacher training centre in VRSEC organises training programs periodically by inviting resource persons from IIT's, NIT's, NITTR etc. It ensures improved teaching quality, equips faculty with modern pedagogical skills, and fosters innovative practices.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/iqac-meetings/

6.5.3 - Quality assurance initiatives of the

B. Any 3 of the above

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

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.vrsiddhartha.ac.in/iqac/
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Gender equity initiatives at Velagapudi Ramakrishna Siddhartha Engineering College are meticulously designed to foster equal opportunities and provide comprehensive support across all gender identities. Some common initiatives and strategies include:

1. **Women's Grievance Cell:** Establishing dedicated cell to monitor gender-related issues, support affected individuals, and advise on improvements to institutional practices.
2. **Counseling and Support Services:** Providing gender-sensitive counseling services and support for victims of gender-based violence or discrimination, including legal and psychological help. Regular counselling programs by Anti-Sexual harassment committee & ICC and women's grievance cell are in practice.
3. **Infrastructure Support:** All the Common Rooms are having proper ventilation and adequate furniture. Separate Canteen space and dedicated hostels are provided
4. **Safety Initiatives:** The College ensures the safety of girl students through secure, gated hostels equipped with CCTV

surveillance. Professional security monitors outsider movements, and the Anti-Ragging Committee ensures a ragging-free environment. The women's hostel is overseen by a female warden and superintendent, with an entry register to track student movements. Sanitary napkin vending machines and incinerators are provided for health and hygiene.

5. Every year on March 8th, inspiring women personalities are invited to share their life experiences and motivate the students.

By implementing these initiatives, the college aims to create an environment where all genders feel safe, valued, and empowered to contribute equally.

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

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

A. Any 4 or All of the above

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

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

VRSEC has established structured facilities to manage both degradable and non-degradable waste in an environmentally friendly manner. The typical facilities include:

1. Degradable Waste Management:

Composting Units: The institute has established compost plant to process biodegradable waste such as food and garden waste, paper rags into compost that is used for campus plantation.

Waste Segregation Bins: Separate bins for biodegradable and non-biodegradable waste placed across the campus help in the initial segregation of waste at the source.

Non-Degradable Waste Management:

The institution is also focused on managing non-degradable waste efficiently.

- **Plastic Waste Management:** Segregated packaging plastic waste is hand over to the local panchayat. So that the panchayat sends the total collected plastic waste in its locality to a recycling plant.
- **Paper Recycling:** Used paper and laboratory records of students are shredded and disposed to recycling plants.
- **Raising awareness through student clubs:** The college is encouraging student clubs to foster awareness about the collection, segregation, and disposal of solid waste. Active participation from both students and faculty is being promoted to ensure the success of these solid waste management initiatives

These facilities ensure that the institution maintains a sustainable and environmentally conscious waste management system, contributing to resource conservation and minimizing environmental impact.

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

File Description	Documents
Geotagged 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

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

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

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

B. Any 3 of the above

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

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

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

A. Any 4 or all of the above

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

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

VRSEC has consistently been at the vanguard of fostering an acute awareness among students of the vast cultural, regional, linguistic, communal, and socio-economic diversities that characterize our state and nation. In a progressive stride, the institution has meticulously revised its curriculum to incorporate critical subjects related to human rights, peace, tolerance,

compassion, social harmony, the promotion of ethical values, environmental consciousness, and the overarching framework of ethics. The course, "Professional Ethics," is now a mandatory component for all students, underscoring our commitment to holistic education.

The institute ensures equal opportunity for student engagement in a plethora of activities organized by the NSS and NCC units, which are instrumental in bridging socio-economic disparities and cultivating a spirit of tolerance and communal harmony. The Anti-Ragging Cell actively upholds an environment of mutual respect and harmony, while the Grievance Redressal Committee serves as a platform for addressing student concerns, thereby reinforcing a culture of equity and justice.

Our placement initiatives, particularly those offering lucrative packages to students from even economically weaker sections, exemplify the institution's inclusive ethos, ensuring equality and communal integration. Furthermore, the institute extends financial assistance through scholarships for underprivileged and meritorious students, with the Central Library offering additional support by providing SC/ST students access to a dedicated book bank.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

VRSEC play a critical role in sensitizing students and employees to constitutional obligations, fostering a deep understanding of the values, rights, duties, and responsibilities of citizens. Common institutional efforts include:

- **Courses on Constitutional Law :** Include subjects or modules that cover the constitution, fundamental rights, and duties of citizens.
- **Republic Day and Independence Day Celebrations:** The national days are marked with flag hoisting, cultural programs, target oriented speeches, and thematic events that

underscore the values of the Constitution and the duties of citizens towards the nation.

- **Service-oriented Programs:** Institution promotes community service initiatives such as tree plantation drives, blood donation camps, and other social service activities.
- **Anti-ragging and Anti-harassment cells:** Strict anti-ragging and anti-sexual harassment policies reflect the institution's commitment to upholding constitutional values of dignity, equality, and respect for all individuals.
- **National Service Scheme (NSS) and National Cadet Corps (NCC):** These programs involve students in activities related to national service, community development, voter registration, participation in the election as a voter and disaster relief to reinforce a sense of responsibility towards society and the nation.

By engaging in these efforts, institutions contribute significantly to the development of students and employees as informed, responsible citizens who uphold and practice constitutional values in their daily lives.

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

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

A. All of the above

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

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

The College is celebrating the National and International days, events and festivals throughout the year and it is an integral part of learning and building a strong cultural belief in students.

The College celebrates National Festivals such as, Independence Day on 15th August and Republic Day on 26th January with splendour by hoisting the national tri colour flag in the college, where staff and students pay tribute to all freedom fighters.

Teacher's day is celebrated to promote the values and principles of a true teacher on 5th September, the birth anniversary of Dr. Sarvepalli Radhakrishnan.

The birthday of Mahatma Gandhi on 2nd October is commemorated as Swachhta Diwas. Swachh Bharat Abhiyan is commemorated in order to honour Mahatma Gandhi vision of clean India.

The National Innovation Day is celebrated commemorating the birth anniversary of former President of India, Bharat Ratna APJ Abdul Kalam on 15th October.

Azad Day and National Education Day are held to mark Maulana Abul Kalam Azad's birth anniversary.

Various literary, cultural and sports competitions are held during Azad Day celebrations. The birth anniversary of Sardar Vallabhbhai Patel on 31st October is celebrated as National Unity Day and run for Unity is organized.

Thus, the students are blessed with an opportunity to have an insight in the event and struggle and sacrifice, through these celebrations.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Best Practice - 1

Title of the Best Practice: Accelerating Innovation through Industrial Collaborations

Industry professionals actively contribute as Board of Studies (BOS) members, in developing the curriculum to equip students with advanced skills. Programs like student internships, faculty training in industries, workshops by industry experts, have enhanced placement opportunities fostering a culture of innovation and readiness for the industry.

Objectives of the practice

- To transfer research outcomes into market-ready products for commercialization and patents, thereby addressing the objectives of Viksit Bharat 2047 and enhancing the institution's visibility.
- To establish innovation hubs and incubators that encourages start-ups and entrepreneurship in collaboration with industries
- To facilitate funding for research projects, innovation labs, and technology advancements.
- To provide students with internship opportunities for hands-on, real-world experience
- To bridge the gap between academics and industry by

designing relevant, practical curriculums with industry experts.

The Context

In alignment with NEP 2020 and objectives of Viksit Bharat 2047, which emphasize the importance of industry collaboration in fostering innovation, academic institutions are increasingly partnering with industry, focusing on key areas like skill development, employment, and inclusive human resource development. Additionally, industrial collaboration supports the goals of Industry 4.0 and Industry 5.0, which highlight the importance of automation and human involvement for sustainable development.

File Description	Documents
Best practices in the Institutional website	https://www.vrsiddhartha.ac.in/wp-content/uploads/2019/09/Best-Practice-2023-24.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

Institutional Distinctiveness

Industry-Collaborative Laboratories and Center of Excellence (CoEs)

for Transformative Impact

Velagapudi Ramakrishna Siddhartha Engineering College aligns its Vision and Mission by identifying thrust areas in collaboration with industry and experts to address real-time industrial and societal challenges. The institution's strong focus on Outcome Based Education (OBE) and industry readiness has led to the establishment of Centers of Excellence (CoEs) and industry-collaborative laboratories, providing students and faculty with cutting-edge training, skill development and research opportunities.

Centers of Excellence (CoEs)

1. 3D Concrete Printing CoE (Established in 2023 with KCP Limited, Rs. 43 Lakhs)
 - A hub for advanced research in concrete technology, focusing on sustainable 3D printing applications.
 - Two publications in Scopus indexed journals with four research articles are in review
2. Siemens CoE (Established in 2016, Rs.30.0 Cores)
 - Promotes skill development across 13 labs, including Automation, Mechatronics, and Robotics.
 - Over 229 students trained in Python and AWS.
3. Centre of Excellence in Composites (Established in 2015 under DST-FIST)
 - Focuses on eco-friendly, economical material development.
 - Published two research articles in Scopus indexed journals and two patents
4. TIFAC-CORE in Telematics (Established in 2009, Rs. 36.33 Crores)
 - First private engineering college in Andhra Pradesh to host this initiative, supporting industry-driven research and training.
 - NI-LabView hands on training conducted for 30 students.

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

The institute's curriculum is developed and implemented to address regional, national, and global developmental needs, with clearly defined learning objectives and outcomes. It undergoes regular review and redesign based on feedback from stakeholders and in alignment with guidelines issued by regulatory bodies, the affiliated university, and the government. Several Memoranda of Understanding (MoUs) have been signed with local and national industries to enhance industry relevance, ensuring students are well-prepared for local, national, and global opportunities.

The institute has integrated the Choice-Based Credit System (CBCS) and offers self-learning courses through MOOC platforms such as SWAYAM, NPTEL, Coursera, and industry-specific programs. Value-added courses aimed at improving communication, employability, and entrepreneurship skills have been incorporated into the curriculum. Students also participate in initiatives like Engineering Projects in Community Services (EPICS), internships, and live projects to boost their employability. Mandatory courses recommended by AICTE have been included, and skill-oriented courses delivered by external agencies such as industries, professional organizations, and accredited bodies are introduced to align with the Program Outcomes (POs) and Program-Specific Outcomes (PSOs).

To foster entrepreneurial skills, the institute has established an Entrepreneurship Development Cell (EDC). Programs are further enriched with Minor and Honours components. Students opting for a Minor program complete additional courses in a discipline other than their primary field, while those pursuing an Honours program undertake advanced courses within their main area of study.

Curriculum revision is an ongoing process, ensuring alignment with the evolving requirements of BoS, DAB, industry and society.

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

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

10

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

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

732

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

1.2 - Academic Flexibility**1.2.1 - Number of new courses introduced across all programmes offered during the year**

66

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

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

16

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

1.3 - Curriculum Enrichment

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

The institute integrates important cross-cutting issues such as Professional Ethics, Gender, Human Values, Environment, and Sustainability into its curriculum. To address these themes, mandatory courses such as the Induction Program, Professional Ethics & Human Values, and Technology and Society are included in the first-year programs. In the second year, students undertake Indian Constitution and Environmental Studies. For third-year students, the curriculum offers a selection of humanities electives, where each student must choose one course from options like Human Rights and Legislative Procedures, Philosophy, Psychology, and Law for Engineers. Additionally, the curriculum includes a mandatory practical course, EPICS (Engineering Projects in Community Services), which requires students to engage with communities, identify local challenges, and develop sustainable, environmentally friendly solutions.

Beyond the curriculum, the institute actively promotes awareness of Human Values, Ethics, Environment, and Gender Equality through various programs and events organized by the NSS unit. Equal opportunities are provided to all students in

every activity conducted by the institute. Furthermore, special initiatives and programs are designed specifically to empower female students, fostering Women's Empowerment and gender inclusivity.

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

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

51

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

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

4279

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

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

5022

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

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	A. All 4 of the above
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File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.vrsiddhartha.ac.in/feedback/
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following	A. Feedback collected, analysed and action taken made available on the website
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File Description	Documents
Provide URL for stakeholders' feedback report	https://www.vrsiddhartha.ac.in/feedback/
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

1549

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

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

963

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

Assessment Mechanism

The institute identifies slow and advanced learners through:

- **Diagnostic Test:** Conducted at the entry level to assess students' foundational knowledge.
- **Continuous Assessments and Semester-End Examinations:**
 - Students scoring less than 50% in continuous assessments and with backlogs are classified as slow learners.
 - Students achieving a CGPA above 7.75 are categorized as advanced learners.

Measures to Improve the Performance of Slow Learners

- **Bridge Classes:** Organized to address gaps in knowledge and align with course requirements.
- **Remedial Classes:** Conducted to help students reach expected learning levels.
- **Counselling Sessions:** Regularly held to provide academic and emotional support. Individual proctor diaries track academic progress and participation in activities.
- **Expert Lectures:** Delivered on personality development, communication skills, stress management, and positive attitude building.

- **Quality Circles:** Advanced learners mentor slow learners by clarifying doubts and motivating them to improve.

Measures to Enhance the Performance of Advanced Learners

- **Choice-Based Credit System (CBCS):** Introduced from the second year to enable flexibility for internships and industry projects.
- **Advanced Training Programs:** Focused on innovation and industry-relevant skills.
- **Research Publications:** Encouraged to publish projects in reputed journals and Scopus-indexed conferences.
- **Industry-Driven Competitions:** Participation in hackathons, technical events, and national/international competitions.
- **Entrepreneurship Development:** Supported in launching startups and exploring entrepreneurial opportunities.
- **Competitive Examinations:** Guidance for exams like GATE, GRE, and CAT.
- **Self-Learning :** Promoted through platforms like SWAYAM, NPTEL, and Coursera.
- **Placement Preparation:** Focused on achieving high-end job offers with competitive packages.
- **Participation in Academic Events:** Opportunities for conferences, paper presentations, seminars, quizzes, and global certifications.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/06/2024	5724	334

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

Experiential Learning and ICT in Teaching-Learning

- **Internships:** The institute facilitates internships and industry projects through MOUs with industries and premier institutions to provide practical exposure to students.
- **Collaborative Laboratories:** Collaboration with companies like SIEMENS, DASSAULT, IBM, ORACLE, CISCO, and NI Academy offers industry-relevant training to meet current market needs.
- **Industry-Driven Competitions:** Students participate in national and global competitions like Code Vita, Hackathon, Hackerearth, and CodeChef, encouraging real-world problem-solving.
- **Field Visits:** Organized to give students a hands-on experience of industry operations and challenges.
- **MOODLE:** The institute uses MOODLE for asynchronous learning, offering group tasks, video lectures, PPTs, and case studies to enhance knowledge.

Participative Learning

- **Workshops/Seminars:** Participation in workshops and seminars on modern trends and technologies with inputs from industry experts helps students stay updated.
- **Group Tasks and Mock Interviews:** From the second year, students engage in group tasks and mock interviews to develop soft skills and confidence.
- **Model Development/Case Studies:** Opportunities to apply theoretical knowledge in developing models or solving case studies.
- **Field Visits:** Students visit industries to correlate theoretical concepts with real-world applications.

Problem-Solving Learning

- **Projects:** Mini and major projects focus on real-time problems, encouraging experimentation, analysis and design.
- **Assignments:** Students are assigned individual or group tasks to address case studies and industry needs, fostering problem-solving skills.
- **Open-Ended Problems:** Students work on open-ended problems

such as hackthons, Ideathons, Webathons and Codethons to develop innovative solutions to industry and society.

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

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

All classrooms are equipped with ICT-enabled tools to support an interactive and modern teaching-learning process. Students and faculty can access NPTEL Video Lessons, e-books, and e-journals across the campus for self-learning. Additionally, faculty prepare video lectures that are available on the college website, enhancing students' access to learning materials.

The institute uses Moodle, a Learning Management System (LMS), to facilitate blended learning, flipped classrooms, and other e-learning projects. The LMS incorporates key features such as:

- Asynchronous learning
- Activity-based learning, such as quizzes, group activities, and problem-solving exercises
- Video demonstrations and PowerPoint presentations for ICT-based learning
- Implementation of value-added courses with assessments
- Uploading of question banks and assignments for academic performance improvement
- Assignment submission links for students to submit their work within specified deadlines
- Availability of course materials and instructional content
- Online exams and classwork
- Online laboratory sessions

By leveraging these ICT tools and the Moodle platform, the institute enhances student engagement, fosters interactive learning, and supports academic excellence.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.vrsiddhartha.ac.in/e-content-development/
Upload any additional information	No File Uploaded

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

2.3.3.1 - Number of mentors

293

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

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

- The academic calendar is prepared and communicated to all relevant functionaries, reviewed if necessary, before its approval by the academic council to ensure strict adherence.
- The academic calendar is prepared by earmarking the semester-wise schedules. It takes into account the minimum number of working days, factoring national and public holidays, festival breaks, summer vacation, as well as college events like fests, training programs and placement activities.

Preparation of Course Plan

Faculty members prepare detailed teaching plans as part of their course files, considering the following elements:

- Syllabus content to be delivered
- Time allocation for each topic
- Teaching methodologies to be employed
- Assessment tools and techniques
- Incorporation of contemporary developments in the subject

- Cognitive learning outcomes

Review and Monitoring

- Course Coordinators conduct regular reviews of the respective courses.
- Module Coordinators review the delivery and assessment methods, ensuring they align with the course modules.
- Programme Coordinators carry out comprehensive reviews to ensure overall curriculum coherence and adherence to the academic calendar.
- DAB

The institute strictly adheres to the academic calendar, with deviations allowed only in unforeseen circumstances, provided they do not affect overall deadlines. Any significant changes are subject to approval during meetings chaired by the Principal, involving Deans and Heads of Departments.

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

2.4 - Teacher Profile and Quality

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

334

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

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

186

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

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

3619

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

2.5 - Evaluation Process and Reforms

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

15

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

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

0

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

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

Examination schedules are developed in alignment with the institute's Academic Calendar. Relevant circulars are circulated to conduct continuous assessments, and mini and major projects are reviewed at three key stages.

The marks obtained by students are uploaded to the CMS-VRSEC ONLINE platform, and hard copies of the mark lists are submitted to the examination branch for further scrutiny, record-keeping, and storage.

Both pre-examination and post-examination processes are integrated with EMS services using the Bees examination tool. This system streamlines the entire process—from notifying exams on the college website, fee payment through a secure payment gateway, preparing the database of eligible candidates, to generating pre-printed bar-coded OMR answer booklets. The post-examination tasks, including the declaration and issuance of mark memos, are also managed electronically.

A day-wise, room-wise, and semester-wise seating arrangement is prepared for all examinations. Faculty members from various departments are appointed as invigilators. End-semester exam question papers are set by external faculty with a minimum of three years of teaching experience in the subject, selected from an approved list of paper setters. Special care is taken to ensure that the syllabus is adequately covered, course outcomes (COs) are mapped, and Bloom's taxonomy is followed.

Special squads of internal and external faculty oversee the examinations, and prompt actions are taken by the Malpractice Enquiry Committee in case of any malpractice. Additionally, relevant accommodations are made for physically challenged students with a minimum 40% disability, in accordance with

norms.

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

2.6 - Student Performance and Learning Outcomes

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

The college ensures effective dissemination of Program Outcomes (POs), Course Outcomes (COs), and Program Specific Outcomes (PSOs) to both teachers and students through multiple channels.

Communication to Students and Teachers:

- **Communication through Website:**
 - **College Website:** The POs are prominently disseminated on the college website (www.vrsiddhartha.ac.in) for effective communication
 - **Department Websites:** COs are also published on respective departmental websites, ensuring students have access to this information forever.
- **Manual Communication:**
 - **Induction Programme:** During the first-year induction program, lecture demonstrations are organized where POs are presented to students, ensuring they understand the program's objectives.
 - **Introduction of Course Outcomes:** At the beginning of each course, the respective COs are introduced to the students to align their expectations and learning goals.
- **Other ways of communication:**
 - **Curriculum Books:** COs and their mapping with POs are published in the syllabus books for easy reference.
 - **Display Boards:** The POs are strategically placed throughout the campus through display boards to raise awareness among students.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	https://www.vrsiddhartha.ac.in/co-po-attainment/

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

Attainment of Outcomes:

Each course is associated with Course Outcomes (COs), which are mapped to the corresponding POs. The attainment of COs are evaluated based on the performance of the students. Attainment of COs, in turn, provides evidence for the accomplishment of POs.

Methods for Assessment, Evaluation, and Measurement of POs:

1. Direct Assessment Methods:

- COs are evaluated through various assessments such as Sessional Examinations and Class tests, Home Assignments and Semester-End Theory and Practical Examinations.
- Faculty members conduct a CO analysis for each course, which is documented in the Faculty Course Assessment Report. The contributions of COs towards POs are assessed at high, moderate, and low levels.

2. Indirect Assessment Methods:

- **Course-End Survey:** Students provide feedback at the end of each semester for all courses, assessing their satisfaction with the achievement of COs.
- **Programme Exit Survey:** Conducted with final-year students upon the completion of their B.Tech program, this survey serves as supporting evidence for PO assessment.
- **Alumni Survey:** An annual survey is conducted through Google Forms or email to gather alumni feedback regarding the attainment of POs.
- **Employer Survey:** This survey is administered to employers

to measure the extent to which POs have been attained, based on the performance of graduates in the workforce.

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

2.6.3 - Pass Percentage of students

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

1397

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

2.7 - Student Satisfaction Survey

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

<https://www.vrsiddhartha.ac.in/student-satisfaction-survey/>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

VRSEC has well-defined policies on Research, Consultancy, IPR and Incubation activities for promoting research, and consultancy and they are available in the website. The promotion of research is supported through various initiatives, including capacity-building programs, collaborations, incentives and integrating to PBAS- Performance Based Appraisal

System, besides focusing thrust areas such as Cyber security in CSE, 3D Concrete Printing in CE, MEMS integrating with VLSI in ECE, Electrical Vehicles in EEE, Composites Materials in ME and GIS and Remote Sensing in IT.

The VRSEC is providing Seed grants to faculty and financial support to students to support their innovative research work. The students are also publishing papers in quality journals through their projects and EPICS. The institution take care about the quality and originality of the research through plagiarism software (Turnitin).

Research and Development Highlights:

- R&D Grant received: Rs.343.5 lakhs from SERB-DST, ISRO, NRSC, etc.,
- Seed Grant: Rs.16.826 lakhs
- Consultancy Revenue generated: Rs.153.01 lakhs
- Publications and Citations:
 - Research publications: 923 (journals, conference papers, and book chapters in Scopus DB).
 - Citations: 1,112
- Capacity-Building Programs organized in Research & IPR: 92 programs
- PhD Supervisors: 64 faculty are recognized as PhD Supervisors, including 10 new Supervisors during the year.
- Collaborations: 81 MoUs for Internship, Research, Consultancy, Placements, etc,
- Research Support: Rs.27.54 lakhs as incentives for publications, research projects, and IPRs.
- Research Facility and Equipment: Rs. 81,13,940/-
- Journals Subscription: Rs. 23,46,557/-

These efforts reflect the institute's commitment to fostering a robust research ecosystem while promoting research and innovation by the faculty and students.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.vrsiddhartha.ac.in/wp-content/uploads/policy/research_policy.pdf
Any additional information	No File Uploaded

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

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

16.826

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

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

65

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

3.2 - Resource Mobilization for Research

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

343.5

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

3.2.2 - Number of teachers having research projects during the year

47

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.vrsiddhartha.ac.in/rd/
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

64

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

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

6

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.vrsiddhartha.ac.in/rd/
Any additional information	View File

3.3 - Innovation Ecosystem

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

The institute has developed a robust framework to foster innovation and knowledge exchange. With dedicated centers for research, entrepreneurship, and Community Outreach. Students are addressing societal challenges through their innovative solutions by EPICS (Engineering Projects for Community Service). The ecosystem not only benefits the community at larger but also students and faculty encouraging innovations & start-ups (20).

- The Institute Innovation Council is very active in connecting students and faculty of all Departments.
- Created Incubation centers in all engineering departments to nurture innovative ideas to transform them into successful Start-Ups.
- MIC Calendar and Self driven activities conducted, during the year: 60 events.
- Established self-financed V R Siddhartha TBI foundation to promote a culture of innovation- build competencies through practical, hands-on experiential learning, and

empower entrepreneurs to launch successful ventures.

Some of the Prominent Achievements:

- NIRF Innovation Ranking 51-100 in the year 2023
- The institute is approved as a Host Institute (HI) for implementation of the Incubation component under the MSME Innovative Scheme (Under the MSME Champion scheme). Under which, three projects sanctioned to a worth of Rs. 40 lakhs from MSME during the year.
- The institute selected as a mentor Institute, under the Mentor-Mentee scheme by the MIC, where five institutions are mentored.
- 22 faculty members are trained as Innovation Ambassadors by the MIC.
- Start-ups incubated: 20
- Innovation recognitions/awards from prominent institutes: 20
- Students Innovation Funded: Rs.12,87,518
- Total Innovation grants from prominent sponsoring organizations (MSME, IIT Hyderabad, IIT Tirupati, etc) in the last three years: Rs.91,00,765.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/institution-innovation-council-iic/

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

92

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

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures

A. All of the above

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

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

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

3.4.2.1 - Number of PhD students registered during the year

6

File Description	Documents
URL to the research page on HEI website	https://www.vrsiddhartha.ac.in/rd/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

292

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

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

393

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/rd/

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

3.4.5.1 - Total number of Citations in Scopus during the year

18531

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

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

3.4.6.1 - h-index of Scopus during the year

51

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)**153.011**

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

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year**60,92,964**

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

3.6 - Extension Activities

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

The NSS unit of the institution along with the Departments, has been actively engaged in 73 impactful outreach activities, addressing diverse societal issues and fostering community welfare with around 10627 students participated in extension activities.

- **Swachh Bharath Initiatives:** Nine activities focused on cleanliness drives, including removing plastic waste from roadsides and planting trees in villages and urban areas.
- **Environmental Protection:** Five activities targeted reducing energy wastage and mitigating vehicular pollution, raising awareness about sustainable practices.
- **Health Campaigns:** 500 students, faculty, and non-teaching staff are benefited through two vaccination drives. Additionally, 09 health-related activities were undertaken, such as early cancer detection in rural areas, health, nutrition initiatives for girls and pulse-polio vaccination programs.
- **Blood Donation Drives:** Three blood donation drives and one awareness program saw the participation of 500 students and faculty.
- **National and Cultural Events:** Six calendar events of national importance, including Independence Day, Youth Day, Yoga Day, etc were celebrated with 690 students participation.
- **Empowerment and Education:** Several extension activities such as rights of the girl child, focusing on education, health, and nutrition, Voter enrolment drives, books distribution to underprivileged children to support education.

These initiatives have addressed critical social issues and instilled a sense of responsibility, empathy, and teamwork among students, contributing to their holistic development and sensation.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/nss-u/

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

22

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

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

73

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

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

10627

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

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

230

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

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

81

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institute has a lush green campus spread over 24.05 acres, featuring infrastructure that includes a 30,637.64 sq.m instructional area and a total built-up area of 83,697 sq.m. The facilities comprise total 124 classrooms out of which 09 are smart classrooms, 138 laboratories, 14 seminar halls and an auditorium with a seating capacity of 600.

All classrooms and Seminar halls are equipped with ICT facilities, natural & artificial lighting, proper ventilation, multimedia projectors, Wi-Fi connectivity, podiums, fans and glass boards. Smart classrooms are further enhanced with smart interactive boards with advanced audio-video systems besides the above ICT facilities to elevate the teaching-learning experience.

The laboratories are outfitted with cutting-edge equipment and meticulously maintained to ensure optimal performance. Regular upkeep includes system maintenance, antivirus and software updates, calibrations, and servicing. In addition to standard curriculum-based labs, the institution has established 23 specialized laboratories and Centers of Excellence (COEs) in collaboration with industry partners, focusing on skill enhancement in emerging technologies.

The campus boasts comprehensive mobility-aware Wi-Fi coverage, ensuring seamless connectivity with abundant bandwidth. A fiber optic backbone of 1 Gbps connects all computers to the campus

network, supporting efficient academic and administrative operations.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/green/

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

The Institute spans 10 acres, including a dedicated playground and comprehensive facilities for sports and recreation managed by the Department of Physical Education. The department supports both outdoor and indoor games, and the campus is a proud host of inter-university zonal tournaments.

To foster cultural and creative engagement, the college has established vibrant cultural clubs at both the departmental and institutional levels. These include the Literary, Photography, and Music clubs, which are coordinated by a dedicated cultural coordinator to ensure seamless organization of activities and events.

Yoga activities are integrated into the academic curriculum through a dedicated Yoga course. Sports facilities are extensive, accommodating Cricket, Football, Volleyball, Ball Badminton, Kho-Kho, Tennikoit, Throwball, and Basketball along with two Cricket Net Practice arenas, a 400-meter eight-lane track, and facilities for long jump, high jump, shot put, and discus throw.

A built up area of 666 sq.m is available for indoor sports such as Table Tennis, Badminton, and Chess. Gymnasium facilities are available in the Physical Education Department and the women's hostel, with cardio equipment such as cross trainers and treadmills. The women's hostel also features two outdoor badminton courts and a recreation room with table tennis, carom boards, and chess.

The boys' hostel is similarly well-equipped, offering recreational facilities that include a volleyball court and two badminton courts, ensuring a balanced and engaging campus life for all students.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/physical-education/

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

138

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

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

742.34

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

4.2 - Library as a Learning Resource

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

The Library follows open access system, encouraging the user to browse freely in the stock area. It is fully automated using the following Integrated Library Management System:

- Name of the ILMS software: Libsys LSM
- Nature of automation (fully or partially): Fully

- Version:10
- Year of automation: 1995
- Online Public Access Catalogue +(OPAC) : Open for all students and staff through remote access throughout the campus.

Integrated Library Management Software:

The important role that the Library Management System will play in planning and implementing library automation projects, it is necessary to educate ourselves and know more about these systems. This will introduce you to library automation and will focus on integrated library systems (ILS), which is an essential component in library automation. A library management system, also known as an automated library system is software that has been developed to handle basic housekeeping functions of a library. The functions that may automated are any or all of the following: acquisition, cataloging, Circulation, serials management and usage reports. The library management system shares a common database to perform all the basic functions of a library, the system is integrated. This year we put into the cloud service.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/central-library/

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

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals

during the year (INR in lakhs)

29,70,599

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

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

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

669

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

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

The institute provides uninterrupted internet access with a robust bandwidth of 1 Gbps, supported by multiple redundant leased line connections to ensure reliability. Internet Service Providers:

- 1. Reliance Jio Infocomm: 300 Mbps (1:1 leased line)**
- 2. TATA Tele Services: 700 Mbps (1:1 leased line)**
- 3. BSNL: 30 Mbps**

Wi-Fi Coverage: The campus is equipped with 200 strategically placed Wi-Fi access points, covering key areas such as the library, classrooms, labs, faculty cabins, seminar halls, and open spaces. These access points are centrally managed by two Wi-Fi controllers, ensuring seamless and high-quality wireless connectivity for students and faculty alike.

Comprehensive Internet Access: The entire campus, including labs, classrooms, corridors, faculty cabins, library, department offices, seminar halls, conference halls, and hostels, is equipped with both wired and wireless internet access to cater to diverse user needs.

Computers with Internet Connectivity: The campus hosts 1862 internet-enabled computers to support academic and administrative activities.

Campus Network Infrastructure: The institute's network operates on a fiber optic backbone with 1 Gbps connectivity, which is scalable to 10 Gbps for future requirements.

Security Measures: The institute has implemented advanced network security protocols:

- IPv4 subnets are allocated to all departments.
- Department-level VLANs are configured within network switches to ensure data isolation and secure access.
- A SOPSOS XGS-4300 Firewall with Xstream Protection bundle. Extreme value and protection our network. Includes essential network, web, and zero-day protection, and Sophos Central VPN orchestration (site-to-site and remote access) with advanced Central Firewall Reporting.

Expenditure on Firewall Infrastructure: ₹12 lakhs

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/wp-content/uploads/policy/it_policy.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
5724	1862

File Description	Documents
Upload any additional information	View File

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

A. ₹50 Mbps

on campus	
File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded
4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	A. All four of the above
File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/e-content-development/
List of facilities for e-content development (Data Template)	View File
4.4 - Maintenance of Campus Infrastructure	
4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)	
1433.22	
File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File
4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.	
The institution has implemented a structured maintenance policy to ensure the proper upkeep of its physical, academic, and support facilities. The processes are designed to address issues efficiently and maintain operational excellence.	

Operating Procedure:

1. **Reporting Issues:** Departments report any maintenance-related issues to the maintenance in-charge via email.
2. **Assignment of Tasks:** The maintenance in-charge assigns the issue to a skilled technician or personnel to address the problem.
3. **On-Site Resolutions:**
 - If no additional materials are required, the technician resolves the issue on-site promptly.
 - If additional materials are necessary, a formal request (indent) is submitted to the maintenance section.

1. Material Procurement:

- For materials available in-house, the maintenance section processes the request.
- If external procurement is required, approval is sought from the maintenance in-charge or the Head of the Institution. Necessary arrangements are then made to acquire the materials, ensuring the issue is resolved promptly.

Additional Maintenance Activities:

1. **Electrical Safety:** Annual inspections of electrical installations are conducted in collaboration with the Directorate of Electrical Safety, Government of Andhra Pradesh, to ensure safety and compliance.
2. **Fire Safety:** Fire safety inspections are carried out annually by the AP State Disaster Response and Fire Service Department.
3. **Mechanical Workshop Services:**
 - The Department of Mechanical Engineering manages the central workshop facility.
 - Services include fabricating custom cabinets and desks, installing doors and windows, and creating display frames for banners and signage.

The comprehensive maintenance policy ensures the institution's facilities remain functional, safe, and conducive to academic and administrative activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/wp-content/uploads/policy/maintenance_policy.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

3208

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

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

502

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

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

A. All of the above

File Description	Documents
Link to Institutional website	https://www.vrsiddhartha.ac.in/igac-activities-2023-24/
Details of capability development and schemes	View File
Any additional information	View File

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

5394

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

B. Any 3 of the above

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

5.2 - Student Progression**5.2.1 - Number of outgoing students who got placement during the year****1429**

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

5.2.2 - Number of outgoing students progressing to higher education**79**

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

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year**5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year****182**

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

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year****63**

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

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

The college involves the students who are primary stake holders to the utmost possible extent in various administrative bodies/committees. Students are involved in the following committees 1. Student Council 2. Internal Quality Assurance Cell (IQAC) 3. Department Advisory Boards (DAB) 4. Central Library 5. Anti - Ragging Coordination committee 6. Internal Complaints Committee (ICC) 7. Canteen committee 8. Hostel mess and ambience 9. Student professional Chapters 10. Sports Committee 11. NSS Committee 12. Internal Committee 13. Women Welfare committee 14. Training & Placement Cell. It's not only for listening to voices of the students but also to make the main integral part of the very functioning of the units in varying degrees based on the kind of the functional units. In addition other following functional units, the college student council has been in place. Levels of student involvement:

- Administrative planning,
- Discipline regulatory Monitoring unit
- Functioning related to career oriented activities,
- College level Amenities Facilities
- Units of Co & Extracurricular planning execution.

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

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

20

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

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

Alumni Association of V.R. Siddhartha Engineering College was registered as a society named as VR Siddhartha Engineering College Old Students Association {VRSECOSA}. The Alumni have created a corpus fund of Rs.4 crores , the interest of which is being utilized for various uses such as scholarships to the economically challenged students. Alumni Association initiated a Scholarship programme "SIDDHARTHA SAHAAYA". Under this programme, meritorious and economically poor students are identified and selected in the first year of their Engineering programme. Each student is awarded Rs. 15,000/- per year towards his/her living expenses and gets continued for four years of the programme. 137 Scholarships of Rs20.55 Lakhs were disbursed during the academic year 2023-24. About 26 Guest lectures were delivered by the alumni in the academic year 2023-24.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.vrsiddhartha.ac.in/scholarships/

5.4.2 - Alumni's financial contribution during the year

D. 2 Lakhs - 5 Lakhs

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 an effective leadership in tune with the vision and mission of the Institution

The vision and mission statements define the Institute's unique identity in addressing stakeholder needs. The Management, Principal and other leadership actively participate in the Governing Body and academic council to ensure policy statements and action plans align with the Institute's mission. The vision and mission are disseminated to all stakeholders and involve them in formulating policies.

The Head of the Institution establishes rules and regulations in consultation with the Governing Body and Academic Council. Regular reviews on Key Performance Indicators (KPIs) are conducted through meetings with various statutory and non-statutory committees to assess action plan outcomes. Necessary modifications to action plans are made as and when required. The quality policies are reviewed and updated to maintain relevance and effectiveness.

Deans implement instructions from the Principal and provide feedback and suggestions for improvement. Heads of Departments (HODs) oversee content delivery, ensure effective teaching and learning processes, monitor the mentorship system, maintain and upgrade centres of excellence, and ensure the calibration and maintenance of equipment.

Senior professors supported by faculty members, serve as conveners of non-statutory committees and assist the Principal in administrative and academic processes. Teachers play an active role in both academic and administrative activities, contributing to the institution's overall development.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.vrsiddhartha.ac.in/governing-body-minutes/

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

The Institute emphasizes the principles of participative management and decentralization in all its activities, fostering a collaborative environment while maintaining an appropriate balance between transparency and confidentiality. These principles are embedded into the governance structure of the institution, ensuring that decision-making processes are inclusive and responsibility is shared across various levels.

To achieve this, the institution has established a robust framework comprising four statutory bodies—namely

1. Governing Body
2. Academic Council
3. Finance Committee
4. Boards of Studies

which are enclosed in weblink. These bodies are tasked with overseeing critical aspects such as governance, academic planning, financial management, and curriculum development, ensuring alignment with the Institute's objectives.

At the departmental level, three committees

1. Board of Studies (BoS)
2. Department Advisory Board (DAB)
3. Programme Assessment Council (PAC)

work to address specific departmental needs, bridging the gap between institutional policies and their implementation. Additionally, 13 non-statutory bodies are in place to manage various functional areas, providing flexibility and adaptability in handling administrative and academic tasks. Furthermore, 12 Institute-level committees are tasked with addressing broader institutional concerns and facilitating seamless coordination across different departments and activities.

Each of these bodies and committees operates with well-defined roles and responsibilities, ensuring clarity in their functioning and promoting accountability. This decentralized structure not only enhances efficiency but also empowers faculty, staff, and other stakeholders to actively contribute to the institution's decision-making processes, fostering a sense of ownership and collaboration throughout the organization.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://www.vrsiddhartha.ac.in/institute-level-committees/

6.2 - Strategy Development and Deployment

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

The institution has demonstrated exceptional success in achieving the objectives outlined in its 2015-2020 strategic plan. Building on this achievement, the institution has developed a comprehensive second five-year strategic plan (2020-2025) designed to address the dynamic needs of the educational landscape according to the change in scenario of Higher Education. This plan is focused on three overarching strategic goals, each of which is supported by clearly defined Key Performance Indicators (KPIs) to track progress effectively.

Strategic Goals

1. Teaching, Learning, Resources and Graduation Outcomes:

This goal focuses on improving the quality of education through innovative curriculum and teaching methodologies, leveraging modern learning resources, and ensuring favourable graduation outcomes. The aim is to equip students with the necessary skills and knowledge to thrive in their careers and contribute to society.

2 Comprehensive Student Development:

Recognizing the importance of holistic growth, the institution is committed to fostering all-round student development. This includes academic excellence, personal growth, professional readiness and research & innovation through curricular, co-curricular, and extracurricular initiatives.

3. Research, Innovation, and Professional Practice:

The institution aims to foster a culture of research and innovation while enhancing professional practices among faculty and students. This involves advancing the quality and quantity of not only research outcome but also teaching learning processes promoting multi-disciplinary innovation, and creating opportunities for professional growth and knowledge dissemination.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/wp-content/uploads/2019/09/Strategeic-plan_2020-25.pdf
Upload any additional information	No File Uploaded

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

The institute operates through a well-structured Organogram that defines the roles and responsibilities of various administrative bodies, ensuring efficient management and accountability at all levels.

Administrative Framework and Policies

The institution has established comprehensive service rules and policies to support its functional and operational aspects. Key policies such as recruitment, promotion, and incentive frameworks are in place to ensure transparency and consistency in administrative and academic processes.

A robust web-based grievance redressal mechanism, accessible through the Institute website, addresses grievances systematically and impartially while maintaining confidentiality. This mechanism provides an accessible platform for students and staff to voice their concerns effectively.

Governance Structure

The administrative hierarchy of the Institute promotes decentralization, participative management, and transparency through the following:

- **Statutory Bodies:** Four key bodies (Governing Body, Academic Council, Finance Committee, and Boards of Studies) that oversee governance, academics, finance, and curriculum development.
- **Non-Statutory Bodies:** Thirteen committees that handle specific institutional functions and initiatives.
- **Institute-Level Committees:** Twelve committees responsible for addressing broader institutional issues.
- **Department-Level Committees:** Three committees that focus on departmental goals and operations.

Institutional Policies

The Institute has implemented several policies to guide its academic, administrative, and operational activities, including:

- **Recruitment and Promotion Policies:**
- **Conduct Rules for Students and Faculty:**
- **Examination Procedures:**
- **Anti-Ragging Policy**
- **E-Governance Policy**
- **Research and Development Policy**
- **Consultancy Policy**
- **Intellectual Property Rights (IPR) Policy**
- **Anti-Plagiarism Policy**
- **Incentive Policy**
- **Document Retention Policy**

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.vrsiddhartha.ac.in/autonomous-organogram/
Upload any additional information	View File
Paste link for additional Information	https://www.vrsiddhartha.ac.in/policies/

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance

A. All of the above

and Accounts Student Admission and Support Examination

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

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

The following are the welfare measures extended to the teaching and non-teaching staff of the Institute:

Teaching Staff:

- Health cards to all the employees to get treatment at Pinnamaneni Siddhartha Institute of Medical Sciences, Gannavaram (Sister concerned medical institution) at discounted prices. (For both teaching and non-Teaching staff)
- Employees Provident Fund (EPF) and Group savings linked insurance (GSLI)/ gratuity for all regularized teaching and non-teaching staff.
- Maternity Leave for female teaching and non-teaching staff.
- Half-pay medical leave for teaching and non-teaching staff members
- Special casual leaves for attending conferences and workshops.
- Study leaves for higher education and qualification improvement
- Financial support for Registration fees, Dearness allowance, Travel grants for faculty attending conferences and workshops.
- Providing subsidies for purchasing laptops to faculty members that supports their professional development, enhances teaching effectiveness, and encourages the integration of technology in education.

Non-Teaching Staff:

- Siddhartha Kalapeetham scholarship is provided for children of non-teaching staff whose parental annual income is Rs.1 lakh.
- In the event of the death of an employee in service, his/her dependant will be considered for employment on compassionate grounds, depending upon the merit of the case, limited to the cadre Junior Assistant, subject to the eligibility of the individual concerned and the availability of vacant posts.
- Employee Staff Insurance (ESI) for all the staff members having a salary of less than 21,000/- per month. Uniform (dress code) at free of cost to the class-IV employees.
- Loans at low interest rates through Employee's cooperative society.

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

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year**163**

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

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year**59**

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

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

238

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institute has a mechanism of both internal and external audits for the financial activities carried out in the Institution every year. Accounts department maintains financial accounts, prepares financial statements audited by external auditor and submits them to all the statutory bodies like AICTE, UGC and State Government as and when required. The Institute maintains its accounts and auditing records since its inception. For effective auditing, the Institute has both internal and external audit mechanisms.

Internal Audit: The Principal constitutes an Internal Audit Committee with three members. The audit is conducted on a sampling basis to check the correctness of the financial transactions and statement affairs of the Institution. The committee verifies cashbook, bank accounts, ledgers, bills, vouchers, and statement of cash position and cash flow physically and conducts sample check on the heads of various accounts, balance dates, and postings.

External Audit: M/S Rajeswar and Co., Vijayawada, have been auditors for the Institution from the past two decades. An annual external audit is conducted, and the reports are submitted to the management. The Finance Committee ratifies these reports. With all statutory obligations duly complied, there were no major audit objections until the last audit. Audit of funds received from Government and Non-Government research funding agencies and consultancy is duly done as per the guidelines of the funding agencies as and when required and submitted.

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

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

8.89

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

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

The institution has developed strategies for mobilizing resources and ensures transparency in financial management. The Institute follows established procedures and processes for planning and allocation of financial resources. The income and expenditure of the institution are subjected to regular internal and external audits. The income and expenditure of the institution are subjected to regular internal and external audit.

Income: Tuition fee, research grants, consultancy, alumni funds, philanthropist funds and interest on bank deposits

Expenditure: Salaries and Benefits, Power and Fuel, Printing and Stationery, Postage and Telephones, Periodicals and magazines subscriptions journals, Affiliations and Renewals, Travelling and Conveyance, repairs, replacements, maintenance, upkeep, advertisement, audit fee, taxes and licenses, Miscellaneous, Depreciation, Furniture, Laboratory Equipment and consumables, etc., Establishing Centres of excellence and Industry Collaborative Labs. Library, R & D and incentives, Skill Development and Innovation, Training & Placement, Software procurement, up-gradation, and maintenance, Wi-Fi, Internet & Networking Student Services- NCC, NSS, Sports, Scholarships to merit and poor students.

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

6.5 - Internal Quality Assurance System

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

The Internal Quality Assurance Cell (IQAC) of VR Siddhartha Engineering Institute has played a pivotal role in institutionalizing a range of quality assurance strategies and processes to enhance the overall academic and research standards of the institution. The IQAC's initiatives aim to ensure continuous improvement, fostering a culture of academic and research excellence, and aligning NEP-2020. Among the various initiatives, the following strategies have been successfully implemented:

1. Creating & maintaining students' tempo required for subsequent years, from the 1st year.
2. Analysing Impact of Academic Audit on expected outcomes, do the departments really achieving what they are expecting.
3. Institutionalization of YouTube channel at Institute level.

4. Implementation of UTSAH (Undertaking Transformative Strategies and Actions in Higher Education) Portal
5. Awareness creation on NAAC Reforms - Universities, expectations of the Government.
6. Conduction of Departmental R & D Reviews - 2023, 2022 & 2021
7. Awareness creation on Viksit Bharat @ 2047 - Role of Indian Universities
8. Promotion of Inter-departmental / multi-disciplinary research among Engineering and Non-Engineering departments for addressing societal challenges for comprehensive solutions

MEETING NO: 31,32,33,34

<https://www.vrsiddhartha.ac.in/igac-meetings/>

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/igac-meetings/

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

The Internal Quality Assurance Cell (IQAC) at VR Siddhartha Engineering College (VRSEC) has implemented a well-defined audit mechanism to continually assess and improve the Teaching-Learning process and ensure that the learning outcomes of the courses meet the desired standards. Below are the key mechanisms of the institutional quality assurance strategies that contribute to its success:

1. Regular Academic Audit

The IQAC regularly reviews the Teaching-Learning process through Academic Audit (AA) to ensure OBE. Where experts from institutions of reputation (IITs and NITs) are invited to audit various components of AA proforma. HoDs are directed to develop a mechanism to address the identified lapses and the same is monitored by the IQAC in the subsequent AA.

2. ISO 21001:2018 Audit

The institution also adopts an ISO audit mechanism to ensure that all processes, structures, and methodologies of operations are systematized and streamlined for effective implementation.

3. Feedback is gathered from multiple sources, including students, faculty, and external experts. This structured feedback is then thoroughly analysed to identify strengths and areas for improvement. Based on this analysis, appropriate follow-up actions are taken to ensure that the institution meets and exceeds the expected academic standards.

4. A teacher training centre in VRSEC organises training programs periodically by inviting resource persons from IIT's, NIT's, NITTR etc. It ensures improved teaching quality, equips faculty with modern pedagogical skills, and fosters innovative practices.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.vrsiddhartha.ac.in/igac-meetings/

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

B. Any 3 of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.vrsiddhartha.ac.in/igac/
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Gender equity initiatives at Velagapudi Ramakrishna Siddhartha Engineering College are meticulously designed to foster equal opportunities and provide comprehensive support across all gender identities. Some common initiatives and strategies include:

1. **Women's Grievance Cell:** Establishing dedicated cell to monitor gender-related issues, support affected individuals, and advise on improvements to institutional practices.
2. **Counseling and Support Services:** Providing gender-sensitive counseling services and support for victims of gender-based violence or discrimination, including legal and psychological help. Regular counselling programs by Anti- Sexual harassment committee & ICC and women's grievance cell are in practice.
3. **Infrastructure Support:** All the Common Rooms are having proper ventilation and adequate furniture. Separate Canteen space and dedicated hostels are provided
4. **Safety Initiatives:** The College ensures the safety of girl students through secure, gated hostels equipped with CCTV surveillance. Professional security monitors outsider movements, and the Anti-Ragging Committee ensures a ragging-free environment. The women's hostel is overseen by a female warden and superintendent, with an entry register to track student movements. Sanitary napkin vending machines and incinerators are provided for health and hygiene.

5. Every year on March 8th, inspiring women personalities are invited to share their life experiences and motivate the students.

By implementing these initiatives, the college aims to create an environment where all genders feel safe, valued, and empowered to contribute equally.

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

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

A. Any 4 or All of the above

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

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

VRSEC has established structured facilities to manage both degradable and non-degradable waste in an environmentally friendly manner. The typical facilities include:

1. Degradable Waste Management:

Composting Units: The institute has established compost plant to process biodegradable waste such as food and garden waste, paper rags into compost that is used for campus plantation.

Waste Segregation Bins: Separate bins for biodegradable and non-biodegradable waste placed across the campus help in the initial segregation of waste at the source.

Non-Degradable Waste Management:

The institution is also focused on managing non-degradable waste efficiently.

- **Plastic Waste Management:** Segregated packaging plastic waste is hand over to the local panchayat. So that the panchayat sends the total collected plastic waste in its locality to a recycling plant.
- **Paper Recycling:** Used paper and laboratory records of students are shredded and disposed to recycling plants.
- **Raising awareness through student clubs:** The college is encouraging student clubs to foster awareness about the collection, segregation, and disposal of solid waste. Active participation from both students and faculty is being promoted to ensure the success of these solid waste management initiatives

These facilities ensure that the institution maintains a sustainable and environmentally conscious waste management system, contributing to resource conservation and minimizing environmental impact.

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

B. Any 3 of the above

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5.Beyond the campus environmental promotional activities 	B. Any 3 of the above
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

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

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

VRSEC has consistently been at the vanguard of fostering an acute awareness among students of the vast cultural, regional, linguistic, communal, and socio-economic diversities that characterize our state and nation. In a progressive stride, the institution has meticulously revised its curriculum to incorporate critical subjects related to human rights, peace, tolerance, compassion, social harmony, the promotion of ethical values, environmental consciousness, and the overarching framework of ethics. The course, "Professional Ethics," is now a mandatory component for all students, underscoring our commitment to holistic education.

The institute ensures equal opportunity for student engagement in a plethora of activities organized by the NSS and NCC units, which are instrumental in bridging socio-economic disparities

and cultivating a spirit of tolerance and communal harmony. The Anti-Ragging Cell actively upholds an environment of mutual respect and harmony, while the Grievance Redressal Committee serves as a platform for addressing student concerns, thereby reinforcing a culture of equity and justice.

Our placement initiatives, particularly those offering lucrative packages to students from even economically weaker sections, exemplify the institution's inclusive ethos, ensuring equality and communal integration. Furthermore, the institute extends financial assistance through scholarships for underprivileged and meritorious students, with the Central Library offering additional support by providing SC/ST students access to a dedicated book bank.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

VRSEC play a critical role in sensitizing students and employees to constitutional obligations, fostering a deep understanding of the values, rights, duties, and responsibilities of citizens. Common institutional efforts include:

- **Courses on Constitutional Law :** Include subjects or modules that cover the constitution, fundamental rights, and duties of citizens.
- **Republic Day and Independence Day Celebrations:** The national days are marked with flag hoisting, cultural programs, target oriented speeches, and thematic events that underscore the values of the Constitution and the duties of citizens towards the nation.
- **Service-oriented Programs:** Institution promotes community service initiatives such as tree plantation drives, blood donation camps, and other social service activities.
- **Anti-ragging and Anti-harassment cells:** Strict anti-

ragging and anti-sexual harassment policies reflect the institution's commitment to upholding constitutional values of dignity, equality, and respect for all individuals.

- **National Service Scheme (NSS) and National Cadet Corps (NCC):** These programs involve students in activities related to national service, community development, voter registration, participation in the election as a voter and disaster relief to reinforce a sense of responsibility towards society and the nation.

By engaging in these efforts, institutions contribute significantly to the development of students and employees as informed, responsible citizens who uphold and practice constitutional values in their daily lives.

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

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

A. All of the above

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

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

The College is celebrating the National and International days, events and festivals throughout the year and it is an integral part of learning and building a strong cultural belief in students.

The College celebrates National Festivals such as, Independence Day on 15th August and Republic Day on 26th January with splendour by hoisting the national tri colour flag in the college, where staff and students pay tribute to all freedom fighters.

Teacher's day is celebrated to promote the values and principles of a true teacher on 5th September, the birth anniversary of Dr. Sarvepalli Radhakrishnan.

The birthday of Mahatma Gandhi on 2nd October is commemorated as Swachhta Diwas. Swachh Bharat Abhiyan is commemorated in order to honour Mahatma Gandhi vision of clean India.

The National Innovation Day is celebrated commemorating the birth anniversary of former President of India, Bharat Ratna APJ Abdul Kalam on 15th October.

Azad Day and National Education Day are held to mark Maulana Abul Kalam Azad's birth anniversary.

Various literary, cultural and sports competitions are held during Azad Day celebrations. The birth anniversary of Sardar Vallabhbhai Patel on 31st October is celebrated as National Unity Day and run for Unity is organized.

Thus, the students are blessed with an opportunity to have an insight in the event and struggle and sacrifice, through these celebrations.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Best Practice - 1

Title of the Best Practice: Accelerating Innovation through Industrial Collaborations

Industry professionals actively contribute as Board of Studies (BOS) members, in developing the curriculum to equip students with advanced skills. Programs like student internships, faculty training in industries, workshops by industry experts, have enhanced placement opportunities fostering a culture of innovation and readiness for the industry.

Objectives of the practice

- To transfer research outcomes into market-ready products for commercialization and patents, thereby addressing the objectives of Viksit Bharat 2047 and enhancing the institution's visibility.
- To establish innovation hubs and incubators that encourages start-ups and entrepreneurship in collaboration with industries
- To facilitate funding for research projects, innovation labs, and technology advancements.
- To provide students with internship opportunities for hands-on, real-world experience
- To bridge the gap between academics and industry by

designing relevant, practical curriculums with industry experts.

The Context

In alignment with NEP 2020 and objectives of Viksit Bharat 2047, which emphasize the importance of industry collaboration in fostering innovation, academic institutions are increasingly partnering with industry, focusing on key areas like skill development, employment, and inclusive human resource development. Additionally, industrial collaboration supports the goals of Industry 4.0 and Industry 5.0, which highlight the importance of automation and human involvement for sustainable development.

File Description	Documents
Best practices in the Institutional website	https://www.vrsiddhartha.ac.in/wp-content/uploads/2019/09/Best-Practice-2023-24.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

Institutional Distinctiveness

Industry-Collaborative Laboratories and Center of Excellence (CoEs)

for Transformative Impact

Velagapudi Ramakrishna Siddhartha Engineering College aligns its Vision and Mission by identifying thrust areas in collaboration with industry and experts to address real-time industrial and societal challenges. The institution's strong focus on Outcome Based Education (OBE) and industry readiness has led to the establishment of Centers of Excellence (CoEs) and industry-collaborative laboratories, providing students and faculty with cutting-edge training, skill development and

research opportunities.

Centers of Excellence (CoEs)

1. 3D Concrete Printing CoE (Established in 2023 with KCP Limited, Rs. 43 Lakhs)
 - A hub for advanced research in concrete technology, focusing on sustainable 3D printing applications.
 - Two publications in Scopus indexed journals with four research articles are in review
2. Siemens CoE (Established in 2016, Rs.30.0 Cores)
 - Promotes skill development across 13 labs, including Automation, Mechatronics, and Robotics.
 - Over 229 students trained in Python and AWS.
3. Centre of Excellence in Composites (Established in 2015 under DST-FIST)
 - Focuses on eco-friendly, economical material development.
 - Published two research articles in Scopus indexed journals and two patents
4. TIFAC-CORE in Telematics (Established in 2009, Rs. 36.33 Crores)
 - First private engineering college in Andhra Pradesh to host this initiative, supporting industry-driven research and training.
 - NI-LabView hands on training conducted for 30 students.

File Description	Documents
Appropriate link in the institutional website	https://www.vrsiddhartha.ac.in/wp-content/uploads/2019/09/Distinctiveness.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- To enhance hybrid teaching, faculty members will be encouraged to develop e-content in their areas of expertise and make it available on the college's YouTube through Lecture capturing system and Multimedia studio, ensuring wider access and resource sharing.
- The institution will prioritize motivating faculty to pursue and secure research projects funded by various national and international agencies, fostering a culture

of research excellence.

- Promoting interdisciplinary research collaborations across departments will remain a key focus, driving innovation and comprehensive problem-solving approaches.
- Outreach programs will be expanded to strengthen community engagement, align with NAAC metrics, and build sustainable partnerships with local organizations to maximize social impact.
- The institute aims to promote more industry collaborative laboratories, and enhance infrastructure of library, and classrooms for providing a dynamic and supportive learning environment.
- Additionally, the institution will focus on revitalizing rainwater harvesting systems to promote sustainable water management and environmental stewardship.