

**SIDDHARTHA**

ACADEMY OF HIGHER EDUCATION
An Institution DEEMED TO BE UNIVERSITY

(Under Section 3 of UGC Act, 1956)
 (Sponsored by Siddhartha Academy of General & Technical
 Education, Vijayawada, A.P.)

ACADEMIC AUDIT
Evaluation Sheet
 (With effect from 2020-21)

School Name : **VR SIDDHARTHA SCHOOL OF ENGINEERING**

Department Name : Civil Engineering

Programme Name : B. Tech (Civil Engineering), M. Tech (Structural Engineering)

Academic Year : 2024-25

Annual department plan (enclose a separate sheet along with the previous 3 years planned & achieved data)

I. POs, PSOs and Curriculum		
S. No	Criteria	Observations
1.	POs & PSOs attainment along with sample calculation sheet	POs and PSOs attainment were available.
2.	Stakeholders feedback collected, analyzed & action taken related to curriculum design (with evidences)	Stakeholders feedback was collected & feedback from them was well taken while revising curriculum design-VR23 & SU24
3.	Extent of stakeholders satisfaction with curriculum revision	Stakeholders have given satisfaction regarding curriculum revision
4.	-New courses introduced -Courses upgraded with more than 25% of course content	Honours (Civil Engineering) VR23, SU24 for UG
5.	Lab component - New labs added - No. of new experiments introduced - New Hardware / Software developed	- 1 1
6.	No & % age of courses focussing on employability/ entrepreneurship/ skill development.	30 & 75%
7.	No of students undertaken - full time field projects: -full time internships:	10 135

II. Faculty information and their contribution		
S. No	Criterion	Observations
1.	Teacher- student ratio	1:16.67
2.	Faculty Cadre ratio	Professor: Assoc. Professor: Asst. Prof 7: 5: 19
3	Faculty experience & retention	Average experience of faculty is more than 16 years & 87%
4.	Faculty qualifications: Percentage of existing faculty with PhD	PhD=22; M. Tech=9
	Faculty awarded with PhD:	1
	Faculty submitted their PhD:	1
	Faculty pursuing PhD:	6
	Faculty registered for PhD:	-
5.	Faculty with Post-Doctoral Fellowship or Pursuing it:	1
6	Faculty guiding /guided PhDs:	10
7.	Percentage of faculty contributing inresearch publications:books:chapters:	80
8.	e-Content development / Lectures added to Web-resources	10
9.	Faculty contribution in professional organizations/ Reviewer / Editorial boards: <i>(not mere memberships)</i>	12
10.	Academic Awards/Rewards received:	2
11.	Faculty contribution in Industry / Institute collaborative projects	-
12.	Faculty trained in Industry	-
13	Faculty contribution in obtaining internships/ Placements/ MoUs	15
14	Faculty as resource persons in webinars/ workshops / key note speaker / training activities	4

15	National level events organized - Conferences: -Workshops/ Seminars: - Webinars - FDPs: International level events organized - Conferences - Webinars -Workshops/Seminars	10 3
16	List of conferences/seminars/ webinars/ workshops/FDPs attended for the enrichment of teaching - learning process	<ul style="list-style-type: none"> • Guest lecture on Career Opportunities • Career Prospects and Employment Opportunities • Memory Enhancement and Career Options for Civil Engineers • Cybercrime awareness programme • Alumni talk “skills required to enter into multinational companies” • “Career Opportunities in Civil engineering” • Alumni talk on “Structural and Career Perspectives in Civil Engineering” • Alumni talk on “Repair & Rehabilitation of Structures- Mechanism, materials & methodologies” • Peoples Education Programme, Seminar on KVIC Sponsored schemes “Entrepreneurship development” • 3rd “BV Krishna Rao Endowment Lecture” on Structural Health monitoring – field to laboratory • Alumni Talk on "The Offshore Energy Landscape" • Workshop on “Resume Writing and Interview Skills” • Workshop on “Entrepreneurship Skill & Innovation –Career Opportunities” • Workshop on “Blended Cements” • Value Added Course on “Advanced Construction Technique - 3D Concrete Printing” • Value Added Course Training Program on Analysis and Design of PEB structures Using Software • Project Management using Primavera • Value Added Course on Building planning and drawing using sketch up • One day workshop on “Protecting Intellectual Property Rights (IPR’s) & IP Management for Startups” • Value Added Course on “Additive manufacturing in Civil Engineering: 3D Concrete Printing” • One Day Workshop on “World IPR Day”

		<ul style="list-style-type: none"> • One Week FDP on “Integrating AI and ML into Civil Engineering Applications) • One Day Workshop on “The Engineers Impact-Shaping the future if Civil Engineering”
17	Faculty interaction with outside world (BOS/NBA/Examiner for PhD evaluation / selection committee / Academic auditing / Chairperson /Chief guest /etc.)	9

III. Teaching-Learning Process and Evaluation		
S. No	Criterion	Observations
1.	Student performance indices – Measures to reduce detentions -Attendance (detentions if any): -Exams (detentions if any):	Semester1: 02 Semester 2: 02
2.	Mechanism and activities for slow learners: Outcome:	Remedial classes for slow learners. Their pass percentage was increased
3	Mechanism and activities for Fast learners to excel: Outcome:	GATE coaching, Minors, Honors
4	Bridge courses: Value added courses:	04
5	Quality circles and Practice: Outcome:	Exists and produced good results
6.	Student counselling /mentoring mechanism	Effectively exists.
7.	Initiatives taken for innovative mini and major projects -Training for students & faculty	3
8.	Best student projects with awards	2
9	Student Model developments: Awards:	2
10	Student Innovation details: Awards:	2
11	Student Publications (other than IV.1) -UG: -PG:	11 5

12	<p>Monitoring of teaching-learning process</p> <ul style="list-style-type: none"> -- Mechanism for Assessment of teaching process in classrooms. -- Random verification of evaluated answer papers and question paper during the semester. -- Innovative teaching methods presented, if any -- Verification of course files 	<p>Exists. Periodically, feedback was collected from students.</p> <p>Verification of question papers during the semester and answer scripts.</p> <p>Course file verification by PC.</p>
13	Student enrolment in CBCS	Nil
14	<p>EPICS (Engineering projects in community service) Projects:</p> <p>Awards:</p>	34
15	<p>Activities of students in professional bodies:</p> <p>Awards in co-curricular activities:</p>	
16	Training programs / Seminars/ workshops organized for students:	1/2/10
17.	Guest lecturers conducted for Students:	09
18.	MoUs with Industries for Research / Consultancy/ internship / placements, etc.	
19.	Students feedback	Yes (Available)
20.	Feedback follow-up action	Follow-up action by HoD to improve quality of teaching
21.	<p>Scope for Self-learning:</p> <ul style="list-style-type: none"> -Certificate courses - Online courses 	
22.	<p>Cut-off rank (Admission):</p> <p>Cut-off rank Previous year:.....</p> <p>OC: BC: SC: ST: PII:</p> <p>Audited year:</p> <p>OC: BC: SC: ST: PH:</p> <p>Improvement / no change / decline</p> <p><i>Note: If there is <u>no improvement</u> it needs to be discussed & suitable measures are to be taken up.</i></p>	
23	<p>Range of CGPA & % of students</p> <p>10 -8 CGPA:</p> <p>7 CGPA:</p> <p>6 CGPA:</p> <p>5 CGPA:</p> <p>No. & % age of failures:</p> <p>Success rate as per NBA guidelines:</p>	<p>26</p> <p>44</p> <p>36</p> <p>17</p> <p>12 & 8.00%</p> <p>92.00 %</p>

IV. Research, Consultancy and Extension

S. No	Criterion	Observations
1.	Faculty publications in journals: (other than III.11) Scopus indexed: SCI / SCIE (Not ESCI): Total: h-index: Dept & Highest in the faculty.	22 13 09 22 & 11
2.	Publications in conferences: - National (Scopus, SCI & equivalent) - International (Scopus, SCI equivalent) - Total:	- 11 11
3.	Faculty contribution in:books: 'book chapters: (Books/Chapters with ISBN/ISSN only are considered)	- 8
4.	Paper Publications & Book chapters:	Q1 <u>7</u> , Q2 <u>4</u> , Q3 <u>3</u> , Q4 <u>1</u> Total <u>15</u>
5.	Government: Funded R&D projects	Applied:3, Total Amount:130 LAKHS Ongoing:1, Total Amount: 18 LAKHS Completed:5, Total Amount: 3.14 LAKHS
6.	Non- Government: Funded R&D projects / Industry sponsored projects	Applied:-, Total Amount:- Ongoing:- Total Amount:- Completed:12 Total Amount:18 LAKHS
7.	Faculty involved in Consultancy & amount earned	18 & 1.5 Crores
8.	Faculty intellectual property rights / Patents:	Filed:.....Published 2 , Granted 4
9.	In-house R&D grants & projects and their outcomes	3 Seed grants sanctioned
10.	New research facilities/ laboratory facilities added	-
11.	MOU"s with industries/ R&D/ Premier Institutes Details of activities:	4
12.	Research centers of excellence established: Outcome in research centers:	-
13.	Skill development centers established: outcome:	-
14.	Incubation centers: - Established with outside Industries : -Status of incubation:	-

15	Start-ups & Entrepreneurships: No of Start-ups & status: Awards from outside platforms:	
----	---	--

V. Infrastructure and Learning Resources

S. No	Criterion	Observations
1.	Addition of infrastructural facilities to improve the teaching learning process Class rooms / Laboratories /ICT class rooms / e- class rooms/ Seminar halls / Syndicate rooms / Innovation center:	e- class rooms exist; Innovation center exists;
2.	Internet facilities for faculty & Students:	Available for both faculty & Students
3.	Technical manpower support added:	1
4.	Modern / new equipment added in Laboratories:	-
5.	New research facility /Computing facilities / laboratory added:	-
6.	Dept. News letter / magazine:	Available
7.	Department library: New additions Text books / References / Journals	6 books

VI. Student information, Support and Progression

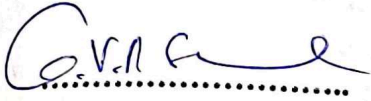
S. No	Criterion	Observations
1	Industrial visits	10
2	Internships	135
3	Dept. student clubs: Activities:	1
4	Details of coaching provided for GATE/GRE/any other competitive exams	GATE coaching given for final year students
6	Students qualified in -GATE -GRE/etc.	2
7	Students admitted for Higher studies (No & %):	11+

8	Total Placements (No & %) in the Dept: 2 - 4 Lakhs (No.) 4 Lakhs above (No.): 5 Lakhs above (No.): Highest salary (No.): Median salary:	Total Placements (No & %) in the Dept: 89 2 - 4 Lakhs (No.) : 74 4 Lakhs above (No.): 5 5 Lakhs above (No.): - Highest salary (No.): 10 Lakhs Median salary : 2.7 Lakhs
9	Student prizes:	NSS/NCC.....Cultural....., Sports.....
10	Student Scholarships:	National Level, if any..... 190

VII. Governance, Leadership and Management

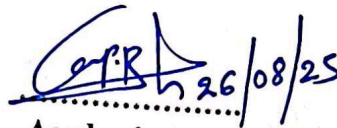
S. No	Criterion	Observations
1	Setting of annual goals by individual faculty for their academic improvement.	Annual goals were set for individual faculty for their academic improvement
2	Setting of departmental annual goals by HOD for the improvement of dept.	Exists
3	Teaching staff attended for skill development/ Industry training/ any professional development programs	5
4	Non-teaching staff attended for skill development programs	9
5	Financial support received from the Management: Seed Grant for faculty: Incentive for Sponsored projects: Incentive for paper publications:	3 6 12
	Attending FDPs/ Seminars/ etc: Attending overseas seminars: Interaction with R & D personnel: Others:	12 10
6	Financial support received from the Management: Student Projects: Model developments & exhibition: Student Innovations & exhibition:	5 4 2
7	Quality policy & Quality objectives Committees & duties: Cells & duties:	Exists Exists
8	Maintenance -General -Laboratory -Others	Calibration and service of equipment in GTE, TE, SM and Concrete labs

9	Financial support/ leaves qualification/ skill up- gradation:	for	Implemented
10.	Risk evaluation/ safety measures:		Exists



.....
Dept. IQAC In-charge

ASSOCIATE PROFESSOR
 Civil Engineering Department
 V.R.Siddhartha Engineering College
 Vijayawada-520007.

 26/08/25

.....
Academic Auditor



.....
Head of the Dept.

PROFESSOR & HEAD
 DEPARTMENT OF CIVIL ENGINEERING
 V.R. SIDDHARTHA SCHOOL OF ENGINEERING
 SIDDHARTHA ACADEMY OF HIGHER EDUCATION
 (An Institution Deemed to be University)
 VIJAYAWADA-520007.

Academic Audit Report (Consolidated)

1. **Name of Department:**...Civil Engineering Year: 2024-25
2. **No. of full time permanent faculty:**32.....
3. **No. of Visiting/Adjunct faculty:** ...3... /
4. **No. of PG / UG courses:**.....1.../.....1....
5. **Curriculum Revisions Information:** UG & PG.....VR23, SU24.....
Major changes.....
New courses...2...Modified courses (min 20-25% change)...5...Employable courses...2.....
6. **Research:** Ph.D. Theses submitted: ...1..... awarded:.....1...
Faculty guiding / guided Ph.Ds:.....10.../.....
Publications in Jrs: SCI/SCIE... 9.....Scopus.....13..... Total.....22.
Publications in Conferences: SCI/SCIE... 11.....Scopus.....Total.....11...
Student Publications
-UG: SCI/SCIE:... ..Scopus:...3..... WoS:.....Others:...2.....Total...5
-PG: SCI/SCIE:Scopus:.....8.... WoS:.....Others:...3.....Total.....11
Dept H-index (Scopus data base):.....Highest H-Index of faculty:.....
Publications: Q1 7, Q2 4, Q3 3, Q4 1 Total.. 15
7. **Sponsored projects:**
Applied:3, Total Amount:130 LAKHS Ongoing:1, Total Amount: 18 LAKHS
Completed:5, Total Amount: 3.14 LAKHS;
Funded R&D projects / Industry sponsored projects: Completed:12 Total Amount:18 LAKHS
8. **Consultancy Amount earned:**.....1.5 cr.....
9. **Start-ups & Entrepreneurship:** No.....Awards from outside platforms:....-.....
10. **Incubation centers:** established....., Status of incubation:.....
11. **Patents:** Filled:.....Published:.....Granted:.....
12. **Innovations:**, Awards from outside platforms (reputed Institutions only) :.....
13. **Books / Book chapters** (with ISBN/ISSN only are considered):.....
14. **e-Content developed:** Lectures added to Web-resources: ...10....
15. **Placements:** No:...
Total Placements (No & %) in the Dept: 89;
2 - 4 Lakhs (No.) : 74; 4 Lakhs above (No.): 5; 5 Lakhs above (No.): -;
Highest salary (No.):10 Lakhs; Median salary :2.7 Lakhs
16. **Higher Education:** GATE No...2., GRE No....., Others (specify):.... %:.....,
17. **New Equipment and Infrastructure** added:(Name & amount)
18. **Student feedback** on Curriculum, infrastructure and facilities: **Yes** or **No**
19. **Strengths:**
(1) Good infrastructure facility and strong FSR
(2) Young faculty with lot of energy to contribute both academics and research
20. **Weaknesses** (mandatory field to fill):
(1) Placements need to be improved. The average salary looks low, this need to be improved.
(2) Requires enhanced emphasize on research development.

21. **Suggestions for improvement** (mandatory field to fill):

- (1) Research intensive laboratories need to be established.
- (2) Implement NEP-2020 guidelines during the curriculum revision, which further meet the requirements of industry.
- (3) Faculty should focus on publishing in reputed journals.

22. Document addressing previous academic year weaknesses and suggestions for improvement

Enclosed: **Yes / No**. If „yes“ enclose an appropriate document. If „No“ furnish proper explanation.


.....

Dept. IQAC In-charge
ASSOCIATE PROFESSOR
Civil Engineering Department
V.R.Siddhartha Engineering College
Vijayawada-520007.


.....

Academic Auditor


.....

Head of the Dept.

PROFESSOR & HEAD
DEPARTMENT OF CIVIL ENGINEERING
V.R. SIDDHARTHA SCHOOL OF ENGINEERING
SIDDHARTHA ACADEMY OF HIGHER EDUCATION
(An Institution Deemed to be University)
VIJAYAWADA-520007.


.....

IQAC Coordinator

IQAC Co-ordinator
V.R.Siddhartha Engineering College
Deemed to be University
VIJAYAWADA-520 007.


.....

Dean IQAC:

DEAN
Research, Technology Development & IQAC
V.R.Siddhartha Engineering College
Deemed to be University
VIJAYAWADA-520 007