



SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation JNTUK, Kakinada)
Seshadri Rao Knowledge Village, Gudlavalleru- 521356

**Report on
Performance of the Institution for the Academic
Year 2023-24 by the External Peer Team of
IQAC**

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IQAC-EXTERNAL PEER TEAM REPORT ON PERFORMANCE OF THE INSTITUTION-ACADEMIC YEAR 2023-24

Members of External Peer Team:

Dr. M. Babu Reddy - Professor of CSE, University college of Engineering and Technology, Krishna University & External Peer Team Member, IQAC, SRGEC

Dr. P.V.R.L Narasimham - Professor & Head, Department of EEE, V. R. Sidhartha Engineering College, Vijayawada & External Peer Team Member, IQAC, SRGEC

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1. **Name of the College** : Seshadri Rao Gudlavalleru Engineering College
Gudlavalleru -521356
2. **Name of the Principal** : Dr. BURRA KARUNA KUMAR
3. **Telephone/Fax / Email** : Phone No: 08674-273737; 08674-273888
Email: principal@gecgudlavalleru.ac.in
Website: <https://www.gecgudlavalleru.ac.in>
4. **Year of Establishment** :1998
5. **Whether private or government
Or University maintained** : Private / Self Financing
6. **Autonomous Status** : 1.UGC granted Autonomous Status in 2014 for a period
of 5 Years from 2014-2015 to 2019-2020
Ref.No.F.22-1/2014(AC) dated 19-06-2014
2. UGC extended Autonomous status for a period of 5
years from 2020-21 to 2024- 2025, Ref. No. F22-
1/2017 (AC), dated 17.02.21
7. **Name of the Affiliating Univ.** : Jawaharlal Nehru Technological University Kakinada,
Kakinada

Seshadri Rao Gudlavalleru Engineering College offered four undergraduate B.Tech programs with an intake of 180 when it was established in 1998. Since then, it has provided a rich learning experience to students by organizing various educational and personality development programs to enable the students to become professionally competent and responsible citizens of the country. Besides academics, this engineering college gives priority to sports & games, social service activities and advanced training to make students industry ready. This institution has built adequate buildings with a built-up area of 49,283sq.m. in an area of 14.47 acres to provide sufficient instructional facilities, state-of-the-art library and information centre, laboratories, skill development centers and other amenities. Seshadri Rao Gudlavalleru Engineering College has established a good number of laboratories in line with its vision, even before the directives from the regulatory bodies to establish those laboratories. The transparent policies and mechanisms of the college paved the way to have more qualified, experienced and competent faculty members to serve the student community in an effective way.

Courses Offered:

UG Courses: B.Tech.,

S. No.	Program Name	Sanctioned Intake
1	Civil Engineering	60
2	Electrical and Electronics Engineering	120
3	Mechanical Engineering	60
4	Electronics and Communication Engineering	240
5	Computer Science and Engineering	240
6	Information Technology	240
7	Artificial Intelligence and Data Science	180
8	Internet of Things	120
9	Computer Science and Engineering(AI&ML)	120

PG Courses: M.Tech., MBA

S. No.	Program Name	Sanctioned Intake
1	Structural Engineering	06
2	Power Electronics and Electrical Drives	06
3	Machine Design	06
4	VLSI Design and Embedded Systems	06
5	Computer Science and Engineering(AI &ML)	06
6	Master of Business Administration	60

CURRICULAR ASPECTS:

Since its inception, Seshadri Rao Gudlavalleru Engineering College has focused on imparting holistic learning experience, to professional aspirants. Graduates of this institution spread all over the country and globally, have contributed enormously to the local, regional, national and global development.

- Number of Programmes where syllabus revision was carried out during the year: 15
- Number of courses focusing on employability/entrepreneurship/ skill development offered by the institution during the year : 761
- Number of new courses introduced across all programmes offered during the year : 621
- Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System : 15
- Number of value-added courses for imparting transferable and life skills offered during the year : 23

All the departments of the institute collect feedback on curriculum aspects from students, employers, alumni and parents through course-end survey, program exit survey, employer survey and the results are analyzed and utilized for the overall development of the institution.

TEACHING -LEARNING:

The institution adheres to the academic calendar prepared at the beginning of every academic year. Program outcomes, program specific outcomes and course outcomes for all the programs offered by the institution are stated and displayed on the college website of the institution.

- Number of students admitted during the year :1387
- Total number of students during the year : 5985
- Number of full time faculty during the year : 304
- Number of Counsellors :286
- Number of full-time faculty with PhD during the year : 95
- OBE is Implemented and student satisfaction survey is also conducted

RESEARCH, INNOVATIONS AND EXTENSION:

- Seed money provided by the institution to its teachers for research during the year (INR in lakhs) : 0.482
- Grants received from the Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs) : 14.65

- Number of teachers having research projects during the year : 1
- Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year : 3
- Number of research papers by the faculty members in CARE Journals notified on UGC website during the year : 221
- Number of books and chapters in edited volumes / books published by the faculty members during the year : 57
- Total number of Citations in Scopus during the year : 1028
- h-index of Scopus during the year : 27
- Revenue generated from the consultancy and the corporate training during the year (INR in lakhs) : 1.97
- Number of extension and outreach programmes conducted by the institution: 9
- Number of functional MoUs with institutions of national and/or international importance, other universities, industries etc. during the year : 22
- Institution Innovation Council (IIC) is active in the institute

INFRASTRUCTURE AND LEARNING RESOURCES:

- Number of classrooms and seminar halls: 86
- Expenditure for infrastructure augmentation during the year (in Lakhs) : 442
- Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (in lakhs) : 22.93
- Student - Computer ratio : 3:1
- Expenditure incurred on maintenance of physical and academic support facilities during the year (in lakhs) : 1681

The Institution has facilities for the following

- Alternate source of energy and energy conservation
- Water conservation
- Green campus
- Divyangjan

STUDENT SUPPORT AND PROGRESSION:

- Number of students benefitted by scholarships and freeships provided by the Government during the year : 3256
- Number of students benefitted from guidance/coaching for competitive examinations and career counsellings offered by the institution during the year : 1300
- The institution adopts the mechanism for redressal of students' grievances, including sexual harassment and ragging
- Number of outgoing students who got placements during the year : 586
- Number of outgoing students progressing to higher education : 32
- Number of students qualified in the state/ national/ international level examinations during the year : 79
- Number of awards/medals secured for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events during the year : 58
- Alumni Association contributes significantly through financial and other support services

GOVERNANCE, LEADERSHIP AND MANAGEMENT:

- Statutory bodies as per regulatory bodies are existing for decentralized functioning
- Strategic plan is available and is being implemented
- E- Governance is active
- Welfare measures are in implementation to teaching and non-teaching staff
- Number of teachers benefitted with financial support to attend conferences /workshops and towards payment of membership fee of professional bodies during the year : 31

Significant contributions made by IQAC during the current year

- Chalking out programs and motivating alumni for supporting student training initiatives.
- Facilitating training programs for faculty on emerging areas.
- Promoting innovation and incubation facility to students.
- Encouraging faculty to file patents.

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
To enhance research publications	A significant number of publications are made:221
To conduct skill development programs	No. of skill development programs are conducted:43
To motivate the faculty to apply proposals to funding agencies	A project work worth Rs.18,32,000/- sanctioned by DST, Ministry of Science and Technology
To strengthen faculty competency in emerging areas.	Faculty members have undergone training in different areas

BEST PRACTICES:

Best Practice I: Teacher Empowerment Program (GUROBYUNNATHI)

Objectives of the Practice:

- To provide in-depth knowledge on the subject matter to the newly recruited faculty.
- To enhance technical competency and presentation skills in the classroom.
- To enable faculty to develop expertise in teaching and guiding students excel in competitive exams and GATE in allied engineering fields.

Best Practice II: Community Engagement Services (SANGASEVA)

Objectives of the Practice:

- To provide engineering solutions to social issues.
- To enhance the sustainable development of the society.
- To prepare the faculty and the students to participate in community activities

Implementation of NEP:

Interdisciplinary: Open Electives are offered in the curriculum. Minor degrees are introduced

Academic bank of credits: Registered with Academic bank of credits

Skill development: Domain-related skill development programs and placement-related skill development programs have been conducted as curricular and co-curricular activities. Communication skills through oral and written forms are imparted to the students with the help of ELCS laboratory and practice sessions

Appropriate integration of Indian Knowledge System: Course on Universal Human Values has been introduced. In addition, through guest lectures and personality development programs emphasis is laid on the ethical behavior.

Distance education/online education: Online education is confined to expert lectures from eminent academicians from the premier institution, Industry experts and by the faculty. Faculty members make use of the Microsoft Teams platform to teach online classes. Current curriculum has made one online course mandatory.

Suggestions

- Sponsored research projects are to be enhanced.
- Publications are to be improved.
- Attending FDPs by the faculty outside the college are to be improved
- Number of publications through student projects are to be boosted.
- Consultancy is to be enhanced.
- Collaboration with MNCs has to be improved
- More number of FDPs have to be conducted
- Skill development courses for non teaching staff are to be improved
- Encourage students for higher education
- Encouraging students' participation in contests outside the college
- Welfare measures like residential quarters and medical insurance are to be planned.
- Increase industry – institute interaction



Dr. P.V.R.L. Narasimham

Professor & Head, Dept of EEE, VRSEC,
External Peer Team Member,
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