



Velagapudi Ramakrishna
Siddhartha Engineering College
(Autonomous)
Vijayawada – 520 007, Andhra Pradesh

Report on
Performance of the Institution for the Academic Year 2022-23
by
External Peer Team of IQAC

Submitted to



University Grants Commission (UGC)
Bahadur Shah Zafar Marg,
New Delhi - 110002.

Velagapudi Ramakrishna
Siddhartha Engineering College
 (Autonomous)
 Vijayawada – 520 007, Andhra Pradesh

**IQAC-EXTERNAL PEER TEAM REPORT ON
 PERFORMANCE OF THE INSTITUTION - ACADEMIC YEAR 2022 -23**

Members of External Peer Team:

- Dr. P. Siddaiah** - Principal, Acharya Nagarjuna University College of Engineering & Technology, Guntur & External Peer Team Member, IQAC, VRSEC
- Dr. L. Krishnanand** - Professor, Department of Mechanical Engineering, National Institute of Technology, Warangal (NIT/W) & External Peer Team Member, IQAC, VRSEC

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1. **Name of the College** : Velagapudi Ramakrishna Siddhartha Engineering College
Kanuru, Vijayawada – 520 007
2. **Name of the Principal** : Dr. A.V. Ratna Prasad
3. **Telephone/ Fax / Email** : Phone No: 0866 – 2582333; 0866 – 2584930
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Email: principal@vrsiddhartha.ac.in;
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Website: www.vrsiddhartha.ac.in
4. **Year of Establishment** : 1977
5. **Whether private or government or University maintained** : Private / Self Financing
6. **Autonomous Status** : 1. UGC granted Autonomous Status in the year 2006.
2. UGC – Autonomous status extended for a period of 10 years up to 2028, Ref. No. F22-1/2017 (AC), dated 17.04.18
7. **Name of the Affiliating Univ.** : Jawaharlal Nehru Technological University Kakinada, Kakinada (JNTUK)

8. Courses Offered:

UG Courses: B.Tech.,

S. No.	Program Name	Sanctioned Intake	
		Without EWS	With EWS
1	Civil Engineering	120	132
2	Computer Science and Engineering	180	198
3	Electronics and Communication Engineering	240	264
4	Electrical and Electronics Engineering	120	132
5	Electronics and Instrumentation Engineering	120	132
6	Information Technology	180	198
7	Mechanical Engineering	120	132
8	Artificial Intelligence and Data Science Engineering	120	132
9	Artificial Intelligence and Machine Learning	60	66
	Total	1260	1386

PG Courses: M.Tech., MBA, MCA

S. No.	Program Name	Sanctioned Intake	
		Without EWS	With EWS
1	Structural Engineering	18	20
2	Geotechnical Engineering	12	13
3	Computer Science and Engineering	12	13
4	VLSI Design and Embedded Systems	12	13
5	Power Systems Engineering	12	13
6	Data Science	12	13
7	Automated MFG. Systems	12	13
8	Master of Business Administration (MBA)	60	66
9	Master of Computer Applications (MCA)	60	66

9. Students on Rolls:

Year of study	B.Tech.,	M.Tech.,	M.B.A.	M.C.A.	Total
1 st year	1270	18	66	66	5395
2 nd year	1315	28	66	64	
3 rd year	1274				
4 th year	1228				
Total	5087	46	132	130	

10. Faculty Strength:

Department	Professor	Associate Professor	Assistant Professor	Total	Faculty with Ph.Ds
PRINCIPAL	1	0	0	1	1
AI & DS	1	1	2	4	1
CSE (AI & ML)	1	0	2	3	2
CE	7	7	25	39	19
CSE	3	3	36	42	9
ECE	5	7	44	56	20
EEE	2	5	21	28	11
EIE	1	3	20	24	6
IT	2	4	23	29	10
ME	7	4	32	43	23
MBA	2	0	6	8	6
MCA	1	0	5	6	4
Science & Humanities	0	6	46	52	29
TOTAL	33	40	262	335	141

11. Examination Results

Program me Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
B Tech	Computer Science & Engineering	210	202	96.19
B Tech	Information Technology	140	133	95.60
B Tech	Electronics & Communication Engineering	274	262	95.62
B Tech	Electrical & Electronics Engineering	136	123	90.44
B Tech	Electronics & Instrumentation Engineering	102	86	84.31
B Tech	Mechanical Engineering	184	159	86.41
B Tech	Civil Engineering	175	141	80.57
M Tech	M Tech	26	26	100
MBA	MBA	66	58	87.88
MCA	MCA	64	56	87.50

Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada, sponsored by Siddhartha Academy of General & Technical Education is the FIRST Private Engineering College in the combined state of Andhra Pradesh established in the year 1977 and is ideally located in a vast expanse of 41.8 acres of land in Vijayawada on Vijayawada-Machilipatnam highway. The college is ISO 21001-2018 certified, recognized by AICTE and affiliated to JNTUK, Kakinada. UGC granted autonomous status to the college in the year 2006 and extended up to 2028.

The Institution uses information systems such as MOODLE Learning management systems, online content management system, and Libsys Library Information system to manage the general

administration, exams, attendance and internal examinations. The college has explicit administrative set up to meet the college's vision and mission while addressing the needs of stake holders. The institute established good organizational structure with decentralization of academic and administrative powers. Involvement of faculty in the academic and administrative tasks shows existence of strong participative management in the institution. The institute has well-structured internal quality assurance cell (IQAC) to initiate and follow up of various quality initiatives in the institute for the institute all-round development.

The college has placed in Rank-band 151-200 in **National Institutional Ranking Framework (NIRF)** India rankings 2023 in engineering category. The performance of the institution is satisfactory and appreciable in various quality aspects for the academic year 2022-23.

CURRICULAR ASPECTS

- Syllabus revision was made in 9 programs during the academic year 2022-23.
- 83 new courses are introduced during 2022 – 23 for the benefit of students with respect to employability / entrepreneurship / skill development. 719 courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year 2022-23.
- 43 value added courses imparting transferable and life skills are conducted for the benefit of students. 4111 students were enrolled in the 43 value added courses.
- 2513 students undergone field work/projects/internships/student projects during the year 2022-23.
- Feedback from stake holders on various parameters are exist through course end survey, program exit survey, employer survey etc. The feedback is analyzed by the department advisory board and is used for taking the corrective measures.

TEACHING – LEARNING AND EVALUATION:

- 1420 students are admitted against a sanctioned intake of 1550 during the year. The institution is presently having 77 ICT classrooms and 9 Smart Classrooms for the benefit of students.
- The institute is following the academic and activity calendar strictly. The outcome-based education is implemented satisfactorily in the institution. The course outcomes, program outcomes and program specific outcomes are analyzed by the program assessment committee in the respective departments to implement OBE effectively.
- At present 334 faculty including 158 Doctorates, with varied experience and back-ground, take interest in continuing education and are actively engaged in research work and publish their

findings regularly in National and International Journals and present in Conferences.

- Student Satisfaction Survey (SSS) – 2022-23 on overall institutional performance displayed in website of the institution.

RESEARCH, INNOVATIONS AND EXTENSION:

- Implemented five-year strategic plan for the institute and its annual review for achieving strategic goals. Promotion of research is facilitated through diverse approaches such as incentives, Career Advancement Norms, and inclusion in the Annual Faculty Appraisal process. there is a dedicated Entrepreneurship Development Cell (EDC) and Institute Innovation Council (IIC) that caters to the entrepreneurial needs of students.
- R&D projects worth of Rs.229.43 lakhs were sanctioned by various government and non-government agencies to various departments of the institution.
- The Institute sanctioned seed money of Rs.16.66 lakhs to faculty members for carrying out research work.
- An amount of Rs. 180.16 lakhs were generated through Consultancy during the year 2022-2023.
- 289 Research Publications in the Journals notified on UGC, Scopus and WoS (Web of Science), 220 papers published as Book Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings.
- The total number of Faculty recognized as PhD guides is 108, out of which 10 faculty are recognized during the year 2022-2023.
- Three teachers were awarded national / international fellowship(s) for advanced studies/research during the year 2022-2023.
- Institute Secured NIRF Innovation ranking 51-100 in the year 2023.
- Student & Faculty Start-ups/Ventures incubated:16
- Established 20 collaborative labs and Centers of Excellence in association with Siemens & Dassault - AP State Skill Development Corporation, IBM, CISCO, Oracle, NI, DRDO, DST, etc.
- An amount of Rs.1.00 Crore was spent for financial support & Incentives for Research projects, Publications, filling patents, etc.
- Institution had 67 functional MoUs signed with institutions of National, International importance, other institutions, Industries, Corporate houses during the year 2022 - 2023.
- 58 Research capacity building programs (Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship, etc.) were organized during the year.
- No. of Collaborative activities during the year for research, internship, on-job training, project work is 202.

- An amount of Rs.8,62,888/- spent on developing facilities and training for non-teaching staff and teaching for undertaking consultancy.
- **Institution Innovation Council (IIC)** is established under the MHRD's Innovation Cell and college achieved 4.5 star ranking for the activities organized with respect to Innovations, IPRs, Startups and Entrepreneurship.
- Recognized as Scientific & Industrial Research Organization (SIRO) by DSIR, MST, Govt. of India since August 2017.
- Implemented annual Academic Audit by external members from institutions of reputation such as IIT, NIT and State Universities etc., in addition to internal audit.

INFRASTRUCTURE AND LEARNING RESOURCES:

- An amount of Rs. 393.65 Lakhs was utilized for infrastructure development during the year.
- An amount of Rs. 1344.64 Lakhs was utilized for maintenance of academic facilities and maintenance of physical facilities during the year.
- An amount of Rs. 28,06,806 was spent for purchase of books/ e-books and subscription to journals/e-journals during the year. Dedicated book bank is available for the SC/ST students.
- Bandwidth of Internet connection available in the institution is enhanced to 1 GBPS for the benefit of students and faculty.

STUDENT SUPPORT AND PROGRESSION:

- 3046 students benefitted by scholarships provided by the Government during the year 2022-2023.
- 437 students benefitted by scholarships provided by the institution and non-government during the year 2022-2023.
- Institution organizes various skill oriented, personality development programs for the benefit of students.
- About **5395** students are benefitted through career counseling activities and competitive examinations. Out of which, 201 students are passed in the competitive examinations and **1202 students are placed.**
- 41 awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events during the year 2022-2023.
- 19 Number of sports and cultural events / competitions organised by the institution during the year 2022-2023.
- Alumni Association initiated a Scholarship programme "SIDDHARTHA SAHAAYA" was

granted 139 Scholarships worth of Rs 20.85 Lakhs during the academic year 2022-23. 26 Guest lectures were delivered by the alumni in the academic year 2022-23.

GOVERNANCE, LEADERSHIP AND MANAGEMENT:

- Institution has effective leadership in tune with the vision and mission of the Institution. Effective leadership is reflected in various institutional practices such as decentralization and participative Management.
- The institutional Strategic/ Perspective plan has been clearly articulated and implemented. The college successfully achieved the targets set in strategic plan set in 2015-2020 and second Five year (2020-25) Strategic Plan has been framed keeping in view the changing educational scenario.
- The functioning of the various institutional bodies is effective and efficient. The college Organogram represents well-structured administrative setup with roles and responsibilities defined for various bodies.
- The institution is effectively implementing e-governance in various areas of operations as follows:

- **Planning and Development:**

Institute is using various information systems in its administrative and academic tasks. The college has content management system vrseconline for attendance and internal examination management. Autonomous section is using BEES software tool to provide additional confidentiality in conducting examinations and declaration of results. The institute financial activities are recorded and monitored using Tally software. The library management software LibSYS is used by the institute to track the availability of books in the library and utilization of facilities available in library.

- **Administration:**

The college is using biometric attendance systems to monitor the regularity and punctuality of its staff members. E-mail, SMS and WhatsApp are widely using in communicating various administrative decisions and information on scheduling of meetings at all levels of administrative setup. Electronic notice boards were placed in the prominent locations of the institute to display the information about events happening in the institute and important announcements to the students and faculty. Entire campus is covered under CCTV surveillance to ensure the secured premises to the stakeholders.

- **Finance and Accounts:**

All the financial transactions were recorded and monitored using Tally software

(Payment of salaries, accountability of CL's/EL's/ML's etc. and Student Records). The internal audit and external audit were in practice and the utilization of budget is satisfactory.

▪ **Student Admission and Support:**

Student admissions are carried out by the state government through web counseling. The admitted student information is properly recorded and maintained in the administrative office. For the benefit of students in academics various online software tools such as MOODLE, vrseconline, LibSYS etc. were utilized. Student feedback is collected twice in a semester to take the corrective measures. Student counselling is in practice to solve their difficulties in the institution if any. Every twenty students were monitored by one faculty as part of the counselling. Women grievance cell is active and providing necessary support to the female students and faculty.

▪ **Examinations**

BEE's examination software tool is in operation for pre-examination and post examinations works in the autonomous examination section to provide the confidentiality in conducting the examinations and declaration of results. Barcoding and automation process is in practice to ensure the confidentiality and reducing the time to announcement of results. All the monetary transactions with respect to the examinations are processed through CMS online software vrseconline.

- The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression.
- 154 teachers were provided with financial support to attend conferences / workshops during the year 2022-2023.
- 78 professional development / administrative training programmes were organized by the Institution for its teaching and non-teaching staff during the year 2022-2023.
- 210 teachers have undergone online/ face-to-face Faculty Development Programmes during the year 2022-2023 (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)
- Rs.5.46 lakhs received from non-government bodies, individuals, and philanthropists during the year 2022-2023.

- The institution has developed strategies for mobilizing resources and ensures transparency in financial management.
- Academic and Administrative Audit has been carried out by Internal and External Agencies periodically to maintain the quality in the institute.

INSTITUTIONAL VALUES AND BEST PRACTICES:

- Gender equity programs at Velagapudi Ramakrishna Siddhartha Engineering College typically aimed to promote equal opportunities and support for all genders.
- **Eco-friendly Campus:**
 - The institution established solar power system and approximately 50% of power requirement is met by solar energy.
 - Campus Solid Waste Management
 - Plastic Free Campus
 - Increase in Plantation & greenery area
 - Rainwater harvesting
 - Environmental Audit
- Conducted awareness programs and workshops to educate the college community about waste reduction, recycling, and the environmental impact. The manure made in the compost plant is used for the campus plantation and greenery.
- Quality audits on environment and energy were undertaken by the institution.
- The Institution has a disabled-friendly and barrier free environment.
- The Institute has taken efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities.
- 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.
- **Best Practices of the Institution:**

Since the inception of the institute, it adopts the best practices to become one of the best institutes in the country. The college has many best practices to meet the expectations of the stake holders. Few of the best practices followed in the college are Performance Based Appraisal System, Industry collaborative Laboratories establishment, Industrial training, technical model development, encouraging student publications, and utilization of online learning management system MOODLE, Conducting Academic audit (Internal and external), proctor system, strong bonding with alumni etc. They have largely contributed to the achievement of the institutional goals as well as to the quality improvement of the activities.

- It is observed that PBAS helped in the growth of the institution and securing the good rank in various government and non-government agencies survey.
- Research skills among the students is nurtured in them from the fourth semester onwards through EPCS, Mini and Major Projects. Due to this practice the student publications were improved.
- Students are involved in the development of prototypes and technical models actively. A good number of models were presented and won prizes in the state and national level competitions. College itself conducting innovation day on 15th October every year in the memory of Dr. A P J Abdul Kalam's birth anniversary to showcase the models developed by the student's theory by encouraging them to applying the principles they have learned through core engineering courses.

➤ **Case Study**

Title of the Practice: Student Research Publications

The institute is encouraging both UG and PG students to publish research papers in Scopus indexed Journals and Conferences through their academic projects to inculcate research within the student community.

Objective of the Best Practice:

- Coordinate the development and publication of research papers designed primarily for the benefit of students.
- Provide students from diverse backgrounds, fields of study, classifications, etc., the opportunity to supplement classroom learning by gaining hands-on experience in publication production, enhancing journalistic abilities, and developing leadership skills.
- To motivate the students to gain and exchange the research knowledge by participating in various international conferences organized by reputed institutes.

The Context:

The rapid technological advancements in the academic and research environment of higher educational institutions demand multidimensional participation of students. Industry is also looking for the research potential among the students while coming to the placement drives. The students who form project groups, which are mentored by the faculty, are encouraged to publish the outcome of the project as a research publication.

➤ **Institutional distinctiveness:**

To achieve the Vision and conform to the Mission, the institution has identified the thrust area with the involvement of industry experts and exposure to real-time industrial and societal problems. The establishment of labs in association with multinational companies, Govt. & Pvt.

Sectors, thereby realizing a comprehensive outcome-based model with the required skill set and social consciousness to make them industry-ready professionals.

The institution has the distinction of establishing several Centers of Excellence (CoEs) and Industry Collaborative Laboratories for training, skill upgradation and placement of students to realize the objectives of outcome based education. The institute has established 4 Centers of Excellence (CoE) and 23 Industry Collaborative laboratories and the details of laboratories are described below.

1. CENTERS OF EXCELLENCE (COE):

3D-Concrete Printing COE:

The establishment of a Center of Excellence in 3D-Concrete Printing in collaboration with KCP Limited, carries lot of significance for various stakeholders- students, faculty, society, and research activities. It was established in March 2023 having a worth of Rs. 43 lakhs.

Advanced Research Opportunities: A Center of Excellence in Concrete provides a platform for conducting cutting-edge research in concrete technology. This CoE can serve as a hub for exploring innovative techniques, materials, and processes in the field of concrete, particularly in the context of 3D printing, which is a rapidly evolving technology.

Skill Enhancement for Students: This CoE offers hands-on experience and exposure to the latest advancements in 3D concrete printing. It provides an opportunity for them to gain practical knowledge, enhancing their academic learning with real-world applications. This exposure can make them more competitive and industry-ready upon graduation.

Faculty Development: Faculty members can use the lab to expand their research capabilities and stay updated with the latest trends and developments in concrete technology. This, in turn, can benefit the institution as a whole by enhancing the quality of teaching and research.

Societal Impact: 3D concrete printing can lead to more sustainable and cost-effective construction practices, saving of construction time, contributing to infrastructure development and environmental conservation.

Two Scopus indexed articles were published so far, one PG project was completed and seven more UG projects are going on from this CoE.

2. SIEMENS COE:

This unique center established in 2016 in the college, in association with APSSDC as a PPP corporation to promote skill-development & entrepreneurship in the state, is housed in a space of 23000 Sqft. and other facilities worth Rs. 5.50 Crores with 13 different labs

I. Product Design & Validation Lab

- II. Advanced Manufacturing lab
- III. NC Programming Lab
- IV. Rapid Prototyping Lab
- V. Test & Optimization Lab
- VI. Robotics Lab
- VII. CNC Machines Lab
- VIII. Lift Installation & Maintenance Lab
- IX. Electrical & Energy studies Lab
- X. Automation Lab
- XI. Process Instrumentation Lab
- XII. Mechatronics Lab
- XIII. Automobile body painting and repair Lab

EIE students and faculty are trained in Automation, Process Instrumentation, Electrical and Mechatronics labs. ME students and faculty are trained in Product design and validation, Advanced manufacturing, Test and Optimization, CNC Machine, CNC Programming, Robotics and Rapid Prototyping Labs. About 450 students were trained in Problem solving and Programming in Python Phase – land Phase – II and Amazon Web Services Technical Essentials Workshop for the duration of 18-24 hrs.

3. COE in COMPOSITES:

This center is established in 2014 with DST – FIST in ME Dept. to develop new materials which are economical and eco-friendly. The facility has equipment worth Rs. 60 Lakhs that can be used for research, testing and consultancy

4. TIFAC (Technology Information, Forecasting and Assessment Council) CORE-DST:

This project is a collaborative effort of TIFAC, VRSEC and industries in the domain of Telematics. VRSEC is the First private Engineering College in the state of AP to receive this project of worth of Rs. 36.33 crores which includes Rs. 27 crores worth of software. It was launched in 2009 with 14 industries. Projects were successfully completed and effective training is offered for both students and faculty using NI-Lab View.

Major outcomes are:

- 4 Research projects were completed and 3 are in progress (Rs.90 Lakhs)
- 10+ Ph.Ds. were completed.

- More than 100 research articles were published in conferences and journals.
- 3 patents were published.
- Consultancy works worth of Rs. 7 Lakhs were completed.
- Student project at UG/PG level are actively carried out.

INDUSTRY COLLABORATIVE LABORATORIES:

1. CISCO NETWORKING ACADEMY:

This facility established in 2017 is contributing towards Industry recognized certifications with carrier oriented courses periodically on Cyber Security, etc for duration of 30 to 90 hrs. Over 1100 students and 20 faculty were certified during last 3 years.

2. IBM SOFTWARE LAB FOR EMERGING TECHNOLOGIES:

This lab established in 2016 Dept. of IT to provide training on essentials of Big Data with Hadoop using IBM infosphere etc and on identity management. 250 students and 50 faculty were certified in 32 hrs training sessions.

3. DASSAULT SYSTEMS:

This facility established in 2018 in ME Dept. stands as a 3D Experience center supported by APSSDC to offer training on a bi-layered format in technologies on CATIA, SIMULIA, DELMIA, etc. followed by opting for training in the domains of Automotive, Aerospace, Defence & Ship building etc. 240 students and 14 faculty were trained and 56 students were certified for duration of 30 to 160 hrs.

4. ORACLE CORPORATION:

The Lab started in CSE in 2017 has been running Oracle licenced software for developing applications. Faculty of CSE were trained on different technologies. During last three years, 46 students were certified as Oracle Certified Associate Java SE 8 Programmer, 1Z0-808 and 26 students in Oracle Database SQL 1Z0-071 SQL Fundamentals.

5. APPLE AUTHORIZED TRAINING CENTER FOR EDUCATION (AATCE):

This facility was established in 2019 in IT Dept. to provide training on developing apps related to IOS and SWIFT Programming in which faculty were trained. An Add-on Certificate Course will be offered by the trained faculty for 3rd year. Students in second phase. Two faculty were

trained on Swift Language for duration of 32 hours and 34 students in Value Added Program on Swift Programming for duration of 30 hours.

6. VIDEO ANALYTICS RESEARCH LAB:

It is established in CSE Dept. in 2014 to provide a base for video analytics research and to improve algorithm robustness. During the last 5 years, 100 students and 15 faculty were trained. More than 7 research articles were published in reputed conferences and journals. A two day National seminar on Space Technologies & Applications from 6th – 7th November 2019 was organized by Departments of CSE, ECE & IT.

7. ANBLICKS IGNITE CENTER:

It is established in 2019 to promote collaborative research activity between ANBLICKS and VRSEC, and to provide internships, product development avenues and Placements to students. About 20 students were placed. About 10 were trained on Data Science and Data Integration for duration 80 hours.

Due to the aforementioned distinctiveness, the following outcomes have achieved by Faculty and students during the Academic Year 2022 - 2023

In addition, the institute has several best practices in place recognized nationally such as,

- Performance Based Appraisal System (PBAS)
- Academic Audit by external experts
- Proctor System
- Prototype Development through EPICS-Engineering Project for Community Services in curriculum
- Financial support to the prototype development and IPR
- Incentives for publications in SCOPUS and SCI Journals
- Seed grant for encouraging in-house R&D
- Health cards to teaching and non-teaching staff
- Scholarships to meritorious students

- Serving the society through NSS activities
- Energy audit and Green campus initiatives
- Adjunct Faculty from Industry and
- Incubation centres in each department.

The distinctiveness of the institute couples with the Best practices resulted in,

✓ **Faculty Outcomes**

- Faculty with Ph. D qualification in the Institute are 150 plus (about 50%).
- About One-Third faculty were registered as research supervisors for PhD guidance at various Universities.
- Research papers (Scopus Indexed) published in the Journals and conferences were 2000 plus in the last five years.
- About 200 IPRs were published and 20 were granted in the last five years.
- 10 plus faculty visited foreign countries for presenting papers in International conferences in the last five years.

✓ **Student Outcomes**

- Placements in high end MNCs with highest pay-package of Rs 46 Lakhs.
- The student placements pay-package with above 5 Lakhs was increased from 117 offers in 2018 to 423 in 2023
- Students won prizes /awards in National and Global Competitions were about 100 plus annually.
- Student Internships were 2100 plus in the AY 2022-23.
- Students participated in National contests were 2000 plus in the AY 2022-23.
- 20 plus students visited foreign countries for attending workshop /conferences.

Significant contributions made by IQAC during the current year:

The IQAC has contributed significantly for institutionalizing the following quality assurance strategies and processes. Among the various initiatives, few are listed here:

- Streamlining the Student projects emphasizing Paper publications, Patents, Innovative model development & Start-ups.
- Annual planning & Implementation on Execution of Extension activities (NSS) in adopted villages focusing on technical issues in particular and getting solutions by collaborating with outside organizations.
- Annual planning & Implementation on securing ample number of National & State level awards.
- Implementation of Activity Calendar in addition to Academic Calendar.
- Institutionalization of R&D Excellence Award Identification & subsequent strengthening of one major thrust area of Research in Emerging fields in every department by providing necessary infrastructural facilities & identifying competent faculty, to fulfill the “Make in India” and “Atmanirbhar Bharat”.
- Revamp of “Continuous (Internal) assessment pattern”.
- Streamlining – EPICS. The Projects should confine to societal problems with innovative Solutions and reach targeted users.
- Executing Industry / Institute (IITs/NITs) collaborative joint venture projects in all the departments.
- Refresher Training program on OBE (Focusing on Higher order knowledge levels, defining appropriate CO’s & setting higher PO attainment targets.
- Annual R & D reviews with reference to strategic plan.

Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and Outcome achieved by the end of the academic year.

Future Plan of Action for the Next Academic Year:

The Institute consistently striving to impart Quality Education by updating Plan of action to meet industry and societal requirements. The plan of action is as follows:

- Attention on improving Granting of Patents in proportion to publishing.
- Academic Bank of Credits – Implementation
- Impact of Academic Audit on expected outcomes, do the departments really achieving

what they are expecting – A Review.

- Creating & maintaining student's tempo required for subsequent years, from the 1st year Institutionalization of YouTube channel at Institute level.
- Implementation of UTSAH (Undertaking Transformative Strategies and Actions in Higher Education) portal.
- Promotion of Inter-Disciplinary Research among all departments.
- Review on research and development of all departments for 2022-23.

Concluding Remarks:

- Velagapudi Ramakrishna Siddhartha Engineering college is adopting best practices and maintaining the good standards in Industry relevant curriculum development, Teaching-Learning and evaluation, Research and Consultancy, Infrastructural facilities, setting up of Innovation and incubation centers along with various industry collaborative labs and center of excellence. It is striving hard to provide the quality education to its stakeholders.
- Improvement is observed in all the key performance indicators as per the NBA and NAAC accreditation processes and Institute's strategic plan.

(Dr. P. Siddaiah)

Principal

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