



**sasi** INSTITUTE OF  
**autonomous** TECHNOLOGY &  
ENGINEERING

Accredited by **NAAC** with "**A**" Grade,  
Recognised by **UGC** under section 2(f) & 12(B)  
Approved by **AICTE** - New Delhi  
Permanently Affiliated to **JNTUK, SBTET**,  
Ranked as "**A**" Grade by Govt. of A.P.,

**Internal Quality Assurance Cell (I.Q.A.C.)  
External Peer Team Report  
On Performance of the College  
For the Academic Year: 2019-2020**

**Submitted to**



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

**By**

**Sasi Institute of Technology and Engineering, Tadepalligudem, AP**

**IQAC-EXTERNAL PEER TEAM REPORT ON  
PERFORMANCE OF THE INSTITUTION - ACADEMIC YEAR 2019 -20**

**Members of External Peer Team:**

<b>Dr. B.Raghu Kumar – HoD and Professor, Department of Mechanical Engineering, PVP Siddhartha Institute of Technology, Vijayawada</b>
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**Prof. Y.Srinivas -- Associate Professor, Department of Mechanical Engineering, Vishnu  
Institute of Technology, Bhimavaram**

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- 1. Name of the College** : Sasi Institute of Technology and Engineering, Near NIT Andhra Pradesh, Kadakatla, Tadepalligudem – 534101, Andhra Pradesh
- 2. Name of the Principal** : Dr. K. Bhanu Prasad
- 3. Telephone/ Fax / Email** : Phone No: 08818 - 275500  
Email: [principal@sasi.ac.in](mailto:principal@sasi.ac.in);  
Website: [www.sasi.ac.in](http://www.sasi.ac.in)
- 4. Year of Establishment** : 2002
- 5. Whether private or government or University maintained** : Private / Self Financing
- 6. Autonomous Status** : 1. UGC granted Autonomous Status in the year 2018.  
2. UGC – Conferment of Autonomous status upto 10 years i.e., 2027- 2028, Ref. No. 22-1/2017 (AC)
- 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
1	Computer Science and Engineering	180
2	Electronics and Communication Engineering	180
3	Mechanical Engineering	180
4	Electrical and Electronics Engineering	120
5	Information Technology	60
6.	Civil Engineering	60

**PG Courses: M.Tech., & MBA**

S. No.	Program Name	Sanctioned Intake
1	Computer Science and Engineering	18
2	VLSI and Embedded Systems	18
3	Power Electronics	18
4	CAD/CAM	18
5	Communication Engineering and Signal Processing	18
6	Master of Business Administration (MBA)	120

**9.Students on Rolls:**

Year of study	B.Tech.,	M.Tech.,	M.B.A.	Total
1 <sup>st</sup> year	569	01	65	3016
2 <sup>nd</sup> year	806	05	86	
3 <sup>rd</sup> year	768	-	-	
4 <sup>th</sup> year	716	-	-	
<b>Total</b>	2859	06	<b>151</b>	

**9. Faculty Strength:**

Department	Professor	Associate Professor	Assistant Professor	Total	No. of Ph.D's
<b>PRINCIPAL</b>	<b>01</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>
<b>CSE</b>	02	07	38	47	04
<b>ECE</b>	04	10	37	52	08
<b>EEE</b>	04	06	23	33	05
<b>IT</b>	01	01	12	14	01
<b>ME</b>	04	05	40	49	08
<b>CE</b>	01	02	19	22	01
<b>TOTAL (Engg)</b>	17	31	169	217	27
<b>Science &amp; Humanities</b>	02	04	19	25	05
<b>MBA</b>	01	02	12	15	03
<b>TOTAL</b>	20	37	200	257	35

**10. Examination Results**

S.No	Civil Engg	2019-20		
		Appeared	Passed	% of pass
1	I B.Tech I Sem	33	17	<b>51.5</b>
2	II B.Tech I Sem	65	46	<b>70.8</b>
3	III B.Tech I Sem	67	50	<b>74.6</b>
4	IV B.Tech I Sem	57	42	<b>73.7</b>

S.No	EEE	2019-20		
		Appeared	Passed	% of pass
1	I B.Tech I Sem	52	44	<b>84.6</b>
2	II B.Tech I Sem	108	78	<b>72.2</b>
3	III B.Tech I Sem	85	53	<b>62.4</b>
4	IV B.Tech I Sem	94	58	<b>61.7</b>

S.No	ME	2019-20		
		Appeared	Passed	% of pass
1	I B.Tech I Sem	56	25	<b>44.6</b>
2	II B.Tech I Sem	188	98	<b>52.1</b>
3	III B.Tech I Sem	183	99	<b>54.1</b>
4	IV B.Tech I Sem	154	107	<b>69.5</b>

S.No	ECE	2019-20		
		Appeared	Passed	% of pass
1	I B.Tech I Sem	183	158	<b>86.3</b>
2	II B.Tech I Sem	197	162	<b>82.2</b>
3	III B.Tech I Sem	194	148	<b>76.3</b>
4	IV B.Tech I Sem	166	144	<b>86.7</b>

S.No	CSE	2019-20		
		Appeared	Passed	% of pass
1	I B.Tech I Sem	183	144	<b>78.7</b>
2	II B.Tech I Sem	188	130	<b>69.1</b>
3	III B.Tech I Sem	178	156	<b>87.6</b>
4	IV B.Tech I Sem	170	137	<b>80.6</b>

S.No	I T	2019-20		
		Appeared	Passed	% of pass
1	I B.Tech I Sem	55	39	<b>70.9</b>
2	II B.Tech I Sem	49	37	<b>75.5</b>
3	III B.Tech I Sem	51	46	<b>90.2</b>
4	IV B.Tech I Sem	46	41	<b>89.1</b>

MBA	Appeared	Passed	Percentage
<b>2019-20</b>	86	86	<b>100.0</b>

Sasi Institute of Technology and Engineering, Tadepalligudem sponsored by Sasi Educational Society, is the Private Engineering College in the combined state of Andhra Pradesh established in the year 2002 and is ideally located in a vast expanse of 29 acres of land in Tadepalligudem on Chennai – Kolkatta (NH-16) highway. The college is recognized by AICTE and affiliated to JNTUK, Kakinada. UGC granted autonomous status to the college in the year December, 2017.

[The Institution has its own MIS to manage general administration, autonomous system, examinations, student attendance and continuous evaluation process. The college has a well-marked administrative set up in tune with the college vision and mission. The Vision and Mission statement defines the institute's distinctive characteristics in terms of addressing the needs of stake holders it seeks to serve by.

The involvement of Leadership is achieved through well-defined systems and organizational structure consistent with norms of the AICTE and UGC. Teachers play a pro-active role in the academic and administrative activities of the institution.

The Internal Quality Assurance Cell (IQAC) of Sasi Institute of Technology and Engineering was established on 6<sup>th</sup> March, 2014. From the date of inception, the IQAC is making continuous efforts to maintain quality education as well as taken up various quality initiatives for the overall development of the institution.

The college has secured AAA Rank in Campus 360<sup>0</sup> India rankings 2019 in Engineering category.

The Annual Quality Assurance Report for the year 2017-2018 was submitted to NAAC in 2019. The overall performance of the institution with respect to various quality aspects is satisfactory and appreciable. Some of the key parameters with respect to the performance of the institution under various heads for the academic year 2019 - 2020 are as follows:

#### **CURRICULAR ASPECTS**

S.No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Quality of vision and mission statements	√		
2	Implementation of choice-based credit system (CBCS)	√		
3	Adequacy of courses having focus on employability/ entrepreneurship/ skill development	√		
4	Evidence of procedures for framing POs, PSOs and their adequacy	√		
5	Evidence of attainment of Pos, PSOs against set targets		√	
6	Evidence for framing of COs and their attainment against set targets		√	
7	Evidence for structured feedback system	√		
8	Evidence for NBA Accreditation of UG/PG programs	√		
9	Quality of CIE and SEE question papers	√		
10	Preparation and adherence to Academic Calendar by the institution	√		
11	Implementation of examination reforms	√		

- > All the departments of institute are collecting feedback on curriculum aspects from students, teachers, employers, alumni and parents through course end survey, program exit survey, employer survey and department advisory board and is being analyzed and utilized for the overall development of the institution.

## TEACHING - LEARNING AND EVALUATION

S.No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Curriculum developed /adopted have relevance to the local/ national / regional/global developmental needs with learning objectives and, programme outcomes, programme specific outcomes and course outcomes of all programs offered by the College	√		
2	Percentage of programs where syllabus revision was carried out during the last five years.	√		
3	Average percentage of courses having focus on employability / entrepreneurship / skill development	√		
4	Percentage of new courses introduced of the total number of courses across all programs offered during the last five years	√		
5	Percentage of programs in which Choice Based Credit System (CBCS)/elective course system has been implemented	√		
6	Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional ethics into the curriculum	√		
7	Number of value-added courses imparting transferable and life skills offered during the last five years certificate programs		√	
8	Percentage of students undertaking field projects / internships		√	
9	Structured feedback is received from 1) Students 2) Teachers 3) Employers 4) Alumni 5) Parents for design and review of syllabus Semester wise /year wise		√	
10	Feedback processes of the institution may be classified as follows: A. A.Feedback not collected B. Feedback collected C. Feedback collected and analysed D. D.Feedback collected, analysed and action has been taken E. Feedback collected, analysed and action taken and feedback available on website	√		
11	The institution assesses the learning levels of the students, after admission and organises special programmes for advanced learners and slow learners.	√		
12	Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences		√	
13	Average percentage of teachers using ICT for effective teaching at present – Learning Management Systems, E-learning resources etc.			√
14	Ratio of mentor to students for academic and stress related issues Data Requirement: Number of students assigned to		√	

	each Mentor			
15	Average number of days from the date of last semester-end/ year-end examination till the declaration of results during the last five years	√		
16	Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years	√		
17	Average percentage of applications for revaluation leading to change in marks		√	
18	Positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system	√		
19	Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed on website and communicated to teachers and students.	√		
20	Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution		√	
21	Average pass percentage of students	√		
22	Online student satisfaction survey regarding teaching learning process			
23	E-content is developed by teachers: 1. For e-PG-Pathshala, 2. For CEC (Under Graduate) 3. For SWAYAM, 4. For other MOOCs platform, 5. For NPTEL/NMEICT/any other Government initiative 6.For institutional LMS	√		
24	Number of capability enhancement and development schemes –1.Guidance for competitive examinations, 2.Career Counselling, 3.Soft skill development, 4.Remedial coaching, 5.Language lab, 6.Bridge courses 7.Yoga and Meditation 8.Personal Counselling	√		
25	Average percentage of students qualifying in state/ national/ international level examinations during the last five years (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOFEL/Civil Services/State government examinations)	√		
26	The institution offers a course on Human Values and professional ethics		√	

> 635 students are admitted against a sanctioned intake of 990 during the year. The institution is presently having 76 ICT classrooms for the benefit of students.

> The following table depicts the details of Admission Quality during A.Y. 2019 – 2020.

Year of Admission	Sanctioned In-take	Students Admitted	% Seats filled	Best EAMCET Rank	Girls	Boys
2019-20	780	568	68	3210	276	292



> The institution strictly follows the academic and activity calendar prepared at the beginning of the academic year without any deviation. Program outcomes, program specific outcomes and course outcomes for all the programs offered by the institution are stated and displayed in website of the institution.

> Students NPTEL Certifications

<b>AY</b>	<b>Elite</b>	<b>Elite + Silver</b>	<b>Certified</b>	<b>No. of Courses</b>
2019-20	43	17	61	33

> At present 257 faculty including 35 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.

> The following departments offered Value Added Courses for bridging the Academic Curricula. The details are as follows:

<b>S.No.</b>	<b>Department</b>	<b>Title of the Programme</b>	<b>No. of Students Enrolled</b>
1	Civil Engineering	Total Station Training	86
2	Electrical & Electronics Engineering	PCB Design using Eagle CAD	65
		VLSI Design methodologies	80
3	Mechanical Engineering	QCAD	40
		Auto CAD Professional	40
4	Electronics & Communication Engineering	VLSI Training on Industry Perspective	60
5	Computer Science & Engineering & Information Technology	Data Science using R	43
		Machine Learning	65
6	Management Science	Certificate Programme on Banking, Finance and Insurance	35

#### **Engagement of students during COVID-19 lockdown:**

> The Pending syllabus for all semesters of UG & PG Engineering, and MBA for the academic year 2019-20 was completed by online platforms i.e., Great Learning during lock down. While second midterm examinations & Projects for the above programs were conducted through Moodle LMS platform, as per the guidelines of the UGC & JNTUK. While the Semester end examinations for the academic year 2019-20 were conducted offline.

**RESEARCH, INNOVATIONS AND EXTENSION:**

S.No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Faculty profile and the adequacy of faculty members as per the norms of AICTE	√		
2	Faculty members recognized as research guides			√
3	Faculty members with PhD from universities other than AP and abroad		√	
4	Quality of Faculty Publications		√	
5	Quality of research projects		√	
6	Evidence for research grants received from various agencies		√	
7	Evidence for consultancy activities		√	
8	Evidence for patents published/awarded		√	
9	Adequacy of faculty training programs (FDP/STTP)	√		
10	Adequacy of number of conferences and workshops attended by the faculty members	√		
11	Adequacy of number of workshops/FDPs/STTPs/Conferences conducted by the department	√		
12	Provision of seed money to teachers for research			√
13	Revenue generated from corporate training by the institution			√
14	Training programs for new faculty members	√		
15	Awards for faculty members		√	
16	The institution has a well-defined policy for promotion of research and the same is uploaded on the institutional website	√		
17	Revenue generated from consultancy		√	
18	Number of teachers awarded international fellowship for advanced studies/ research			√
19	Number of extension and outreach programs conducted in collaboration with industry, community and Non Government Organisations through NSS/NCC/Red cross/YRC etc.,	√		
20	Average percentage of students participating in extension activities with Government Organisations, Non Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc.		√	
21	Number of Collaborative activities for research, faculty exchange, student exchange per year			√
22	Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc.			√
23	Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc.		√	
24	Number of awards and recognition received for extension activities from Government /recognised bodies			√
25	Extension activities in the neighborhood community in terms of impact and sensitising students to social issues and holistic development			√

26	Number of start-ups incubated on campus			
27	Institution has created an eco system for innovations including Incubation Centre and other initiatives for creation and transfer of knowledge			√

- > Grant Fetched worth of Rs. 4,50,000/- from Department of Science and Technology (DST), New Delhi under DST NIMAT Programme for Entrepreneurship Development (organized Faculty Development Programme for Faculty and Entrepreneurship Development Programme for Technology Graduates).
- > Received a Grant of Rs. 23,45,100 by BARC - Department of Atomic Energy for Research Project
- > Memorandum of Understanding with National Entrepreneurship Network (NEN) under Wadhvani Foundation, Mumbai.
- > 35 Research Publications in the Journals notified by UGC, Scopus and WoS (Web of Science), and 37 papers in National/International Conference Proceedings.
- > 193 Faculty members attended various Faculty Development Programmes/Workshops/Conferences attended.
- > 01 Patent is filed during the year 2019-2020.
- > During the Academic Year 2019-2020, 131 faculty members achieved 100% result
- > 6 ECE Students bagged first prize in Smart India Hackathon -2020 (Rs.1 lakh cash prize)
- > 469 students were placed through On and Off Campus Drives during the AY 2019 – 2020.
  
- > The Institute sanctioned seed money of Rs.3,00,000/- to faculty members for carrying out research work.
- > An amount of Rs. 1619900 /- was generated through Sponsored Research during the year 2018-2019.
- > An amount of Rs. 3277278 /- was generated through Consultancy Project during the year 2018-2019.
- > Institution had MoUs signed with institutions of Internshala and Oracle Academy during the year 2019-2020.
- > Implemented annual Academic Audit by external members from institutions of reputation, in addition to internal audit.

INFRASTRUCTURE AND LEARNING RESOURCES:

S.No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Evidence for use of ICT in teaching learning process	√		
2	Adequacy of facilities for teaching - learning. viz., classrooms, laboratories	√		
3	Adequacy of modern equipment in the laboratories	√		
4	Adequacy of facilities for sports and cultural activities	√		
5	Improvements in the library services			
6	Adequacy of books and journals available in library		√	
7	Computerization of administration and the process of admissions and examination results, issue of certificates	√		
8	Computer and internet access and training to teachers, non-teaching staff and students	√		
9	Number of start-ups incubated on campus			√
10	TEQIP initiatives			√
11	Usage of Plagiarism software			√
12	Availability of Furniture	√		
13	No. of Print Journals		√	
14	No. of online Journals		√	
15	No. of Periodicals/ magazines		√	
16	No. of E-books available		√	
17	Library is automated using Integrated Library Management Software (ILMS)	√		
18	Rain water harvesting structures and utilization on the campus	√		
19	Resources available in the institution like Physical facilities. Provision for lift , Ramp / Rails, Braille Software/facilities, Rest Rooms designated , Scribes for examination , Special skill development for differently able students (Any other similar facility (Specify)	√		
20	Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years	√		
21	Waste Management steps including	√		
22	Percentage of lighting power requirements met through LED bulbs	√		
23	Environmental Consciousness and Sustainability	√		
24	Institutional Strategies for mobilization of funds and the optimal utilization of resources	√		
25	Funds / Grants received from nongovernment bodies, individuals, Philanthropist		√	
26	Availability of off-campus access to e-resources of the library		√	
27	Average annual expenditure for purchase of books and journals		√	
28	Percentage per day usage of library by teachers and students		√	
29	Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment		√	

30	Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc.		√	
31	Status of automation of Examination division along with approved Examination Manual	√		
32	The institution has adequate facilities for teaching learning. viz., classroom, laboratory, computer, equipment, etc.	√		
33	The institution has adequate facilities for sports, games (indoor, outdoor, gymnasium, yoga centre etc.) and cultural activities	√		
34	Average percentage of budget allocation, excluding salary for infrastructure augmentation		√	

- > Bandwidth of Internet connection available in the institution is enhanced to 140 MBPS/ GBPS by adding 50 MBPS to the existing 90 MBPS for the benefit of students and faculty.

**STUDENT SUPPORT AND PROGRESSION:**

S.No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Student - Full time teacher ratio	√		
2	Students progression without backlog in any semester	√		
3	Students completing the programs in the stipulated time	√		
4	Number of students placed and their median salary			
5	Number of students clearing NET/ UPSC/ CAT/ GATE/ GRE/ IELTS Exams		√	
6	Adequacy of guest/technical lectures arranged for students		√	
7	Adequacy of industrial visits arranged for students		√	
8	Relevance of one credit courses	√		
9	Evidence for students completing NPTEL courses		√	
10	Student mentoring system	√		
11	Scholarship / Financial aid to students		√	
12	Activities and support from the Alumni Association		√	
13	Performance in sports activities		√	
14	Placement services provided to students		√	
15	Learning Through Entrepreneurship Cell		√	
16	Learning beyond class room	√		
17	Student Council & representation of students on academic & administrative bodies / committees of the institution	√		
18	Adequacy of workshops conducted on Entrepreneurship/ IPR/ Innovative practices	√		
19	Student exchange programs/activities			√
20	The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases			√
21	Number of awards/medals for outstanding performance in sports/cultural activities at national/international level			√
22	Number of gender equity promotion programs organized by the institution	√		
23	Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties	√		
24	Documents: College code of conduct for students College code of conduct for teachers Handbooks, manuals and brochures on human values and professional ethics. Report on the student attributes facilitated by the College	√		
25	Institution shows gender sensitivity in providing facilities such as: a) Safety and Security b) Counselling c) Common Room	√		

**GOVERNANCE, LEADERSHIP AND MANAGEMENT:**

S.No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Functioning of academic bodies as per UGC guidelines (Governing Council, Academic Council, Standing Committee and Board of Studies etc.)	√		
2	Evidence of Minutes of the Boards of Studies/ Academic Council meetings etc.	√		
3	Functioning of IQAC	√		
4	Implementation of ISO			√
5	Institution has Performance Appraisal System for teaching and non-teaching staff	√		
6	Internal & External financial audit	√		

>The institution is effectively implementing e-governance in various areas of operations as follows:

■ **Planning and Development:**

Institute has MIS operational modules CMS Software Tool and Tally accounting software to manage general administration, autonomous system, student attendance, continuous evaluation process and online student feedback for faculty. NGL software has been used for the management of library related activities. In view of COVID-19, online classes are being arranged along with off line classes for all programs, using Zoom, Google meet etc. As part of ICT, digital boards in all departments, emails, whatsapp are in practice.

■ **Administration:**

The College operates in both vertical and horizontal directions. Heads of the departments disburse the information by conducting the faculty meetings/ through email/ SMS to the stakeholders - staff, students and their parents. Each programme is managed by a programme coordinator who works under the HOD. Biometric Attendance is used to generate various reports such as Biometric Attendance Report-Department wise and faculty wise. E-notice Board is used for display of messages/ circulars and notices to faculty and students.

**Examinations**

Autonomous Section is headed by Controller of Examinations and is assisted by a Assistant Controllers of Examinations. Barcoding and automation process is in practice for the examination to avoid manual involvement to maintain more confidentiality All the monetary transactions (both the receipts and payments) are processed .

> In order to maintain and improve Internal Quality, Academic and Administrative Audit has been carried out by Internal and External Agencies regularly.

## INSTITUTIONAL VALUES AND BEST PRACTICES:

S.No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Adequacy of MoUs signed with institutions /industries		√	
2	Adequacy of Gender equity promotion programs organized by the institution	√		
3	Annual power requirement of the Institution met by the renewable energy sources	√		
4	Waste Management	√		
5	Rain water harvesting structures and utilization in the campus	√		
6	Green Practices	√		
7	Differently abled Friendliness Resources in the institution	√		
8	Industry - Institute interaction		√	
9	Institutional best practices	√		

> For the promotion of Universal Values and Ethics several programmes are organized by the institution during 2019-2020.

> **Eco-friendly Campus:**

- Plastic Free Campus.
- Increase in Plantation & greenery area
- Rainwater harvesting
- Environmental Audit

**Best Practices of the Institution:**

Even though the college has quite a number of best practices, five of them, PBAS, Technical model development, Academic Audit and usage of MOODLE deserve special mention. There is a growing need for higher educational institutions to be more accountable to the expectations of Stakeholders. They have largely contributed to the achievement of the institutional goals as well as to the quality improvement of the activities. Among the five, the two best practices of the institution are as follows:

1. **Performance Based Appraisal System (PBAS)** is an open, formal, and systematic procedure designed to assist both employer and employees in planning, managing, evaluating and realizing performance improvement in organization with an aim of achieving organizational goals.
2. **Technical Model Development:** The students of SITE are encouraged to transform their innovative ideas into technical models and exhibit in Engineers day /Innovation day celebrations organized in the institute annually. The identified best models are promoted to exhibit in the events organized by prominent outside institutions / organizations at national level.

>**Institutional distinctiveness:**

The thrust areas focused to achieve 'VISION' are

- . Outcome based education
- . Training of faculty and students in advanced Technologies through Collaborative laboratories
- . Projects on society relevant problems.

**Significant contributions made by IQAC during the current year:**

1. Initiated and completed the pending syllabus in the even semester of academic year 2019-20 and conduct of internal examinations online mode to handle the pandemic situation.
2. Provision of free access to COURSERA MOOCs platform for students and faculty to upgrade their skills during the lockdown period was initiated and succeeded in getting fruitful results.
3. Provision of Hardware and Software facilities to conduct the classwork for 2020-21 academic



year through online mode was initiated.

4. Provision of precautions/measures in the campus against COVID19 unlock was initiated.
5. Up gradation of College Website for better visibility
6. Paper setting for online exams to ensure quality
7. Abnormal increase in PhD registration and Ph.D's obtained

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:

- **To acquire best National Institutional Ranking Framework (NIRF) ranking.**
- **Better rank in ARIIA - Atal Ranking of Institutions on Innovation Achievements**
- **Alumni identification and their diplomatic involvement for R & D and consultancy:** One of the major assets of the Institution is Alumni, which spread across the world at various prominent positions, from 2002. It is decided to utilize their services in a diplomatic way in Research funding, consultancy, Incubations, Startups, etc., by identifying the appropriate alumni.
- **e-Content development and lecture capturing facilities:** The importance of online classes is fully recognized by all academic institutions during pandemic situation of COVID lockdown. Keeping in view the importance of online teaching in future, the IQAC is decided to make available the e-Content useful to the students by improving facilities of e-Content development.
- **Innovations, Incubation, Start-ups:** These are becoming a part and parcel of Higher Education. Therefore, IQAC felt the necessity of a dialog to exchange ideas with all stakeholders to promote the Incubation centers and Startups in the campus.
- **Review on further growth of faculty pursuing PhD, new PhD registrations and quality publications:** As of today, the percentage of faculty with PhD qualification is reached to 40. To reach the targets of '2020-25 strategic plan' of the institution, the IQAC is proposed to review the faculty who are pursuing their PhD along with new PhD registrations. In addition, the publications are also reviewed for the improvement of their quality.

#### **Concluding Remarks:**

- > The five year strategic plan adopted by the institution is a highlight of SITE.
- > It is observed that SITE has been maintaining good academic standards in Curriculum, Teaching- Learning and Evaluation, Research and Consultancy, setting up of advanced laboratories involving industry for effective Institute Industry interaction, declaration of results etc.
- > There is a considerable improvement in all the key performance indicators measured by the National Bodies.



**Dr. B.Raghu Kumar**



**Prof. Y.Srinivas**