

Prasad V. Potluri Siddhartha Institute of Technology
(Autonomous)
Kanuru, Vijayawada – 520 007

(Permanently Affiliated to JNTUK, KAKINADA, Accredited by NBA, Accredited with
A+ grade by NAAC, ISO 9001:2015 Certified Institute)

INTERNAL QUALITY ASSURANCE CELL (IQAC)



EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT
AY: 2019-20

**EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT FOR
AY: 2019-20**

(The activities are to be graded on the following scale)

Excellent	Good	Satisfactory	Need Improvement
A	B	C	D

Name of the Principal: Dr. K. Sivaji Babu

S No.	Name of the Program	Sanctioned Strength	Actual Strength
UG (Engineering)			
1	B.Tech. in Civil Engineering	60	48
2	B.Tech. in Computer Science & Engineering	180	193
3	B.Tech. in Electronics and Communication Engineering	120	128
4	B.Tech. in Electrical and Electronics Engineering	120	111
5	B.Tech. in Information Technology	120	128
6	B.Tech. in Mechanical Engineering	120	97
UG TOTAL:		720	705
PG (Engineering)			
1	M.Tech. (Computer Science & Engineering)	18	0
2	M.Tech. (Power System Control & Automation)	18	0
3	M.Tech. (Machine Design)	18	1
4	M.Tech. (Microwave and Communication Engineering)	18	0
5	MBA	60	64
PG TOTAL		132	65
UG & PG TOTAL:		852	770

(1) ACADEMIC ACTIVITIES

SNO	ITEM	GRADE	COMMENTS
1.1	Feedback on curricular and other aspects from stakeholders	A	Feedback from all stakeholders is regularly collected.
1.2	Revision / Update of regulation or syllabi	A	Syllabus for all UG programs revised in 2019 (R-19) with 160 credits based on CBCS.
1.3	Academic activity conducted beyond the prescribed curriculum during the AY:	A	Number of training programs, Certification Programs, Bridge courses, Value added courses is in place
1.4	Total No. of teaching days during the AY:	A	180 days
1.5	Preparation, distribution and availability of time-tables, Academic Calendar,	A	All the information is available in the Institute website

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	Curriculum and syllabi		
1.6	Academic, administrative set up and functioning	A	All statutory bodies to monitor academic progress is in place.
1.7	Faculty strength cadre-wise, Teacher student ratio, Non-teaching staff strength	A	Faculty strength, Cadre ratio and Teacher student ratio are well within the prescribed norms of AICTE.
1.8	Class rooms, program specific labs, computing facility and other labs availability	A	Required number of class rooms, program specific labs and computing facility is available in each department. In addition Project labs and Research labs are also established.
1.9	Attainment levels of the POs of the programme	attainment level	The PO levels in all the Departments have attained the targets.
	B.Tech in Civil Engineering	A	
	B.Tech in Computer Science & Engineering	A	
	B.Tech in Electronics and Communication Engineering	A	
	B.Tech in Electrical and Electronics Engineering	A	
	B.Tech in Information Technology	A	
	B.Tech in Mechanical Engineering	A	
	MBA		

(2) RESEARCH AND INNOVATION

SNO	ITEM	GRADE	COMMENTS
2.1	Research ambience, activity and innovation (quality & quantity)	B	There is a significant improvement in the quality and quantity of publications in each Department. Patent filing, publishing also initiated. A few patents have also been granted in few departments. Most of the faculty with PhD are guiding external as well as internal research scholars.
2.2	Sponsored Research Projects and Consultancy	C	Sponsored research projects are limited to one or two Departments. Needs significant improvement.
2.3	Initiatives undertaken towards faculty development	B	Faculty members have been actively pursuing subjects in Course Era and NPTEL. All the faculty are actively participating in FDPs, Work shops and conferences. However, the number of FDP's organized is low.

A.S. Bala
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2.4	Development Programmes for supporting staff	B	Almost all the Departments have been regularly organizing training programs for non-teaching staff.
2.5	Innovative processes adopted in teaching & learning	A	All the faculty are using ICT tools. In addition to the online classes are conducted using Google meet and the video lectures are being shared.

(3) INFRASTRUCTURE AND INTERNET CONNECTIVITY

SNO	ITEM	GRADE	COMMENTS
3.1	Availability of band-width of connectivity	A	Satisfactory
3.2	Usage of digital library and computing facilities	B	Satisfactory.
3.3	Availability of information on college web-site	A	The website is up to date with latest announcements, notifications and results. The students will be able to see the information including results on their mobiles.
3.4	Available facilities like class rooms/seminar halls/LCD /Wifi/ICT/ video center/courts/ equipment etc	A	Wi-Fi enabled campus.

(4) STUDENT SUPPORT AND PROGRESSION:

SNO	ITEM	GRADE	COMMENTS
4.1	Transformation rate from I year to II year (passed all subjects in first attempt)	C	The pass % in Civil, Electrical and Mechanical is very poor. Needs substantial improvement.
4.2	Remedial teaching for slow learners	A	Remedial classes are conducted in every Department with 80% success rate
4.3	Activities of Grievance redressal mechanism	A	In place
4.4	Scholarships and Financial support	A	In addition to the fee reimbursement from AP state, a number of scholarships are in place, which includes MCM from SAGTE.
4.5	Academic Performance (of outgoing students of the period), Year – Wise Student Performance	B	Overall pass % at the end of fourth year is reasonably good, which has a scope for improvement.
4.6	Professional society/Chapter activities	B	All the departments have active Associations/ student chapters through which a number of activities are being conducted.
4.7	Number of capability enhancement and	B	Reasonable but more effort may be required

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	development schemes		
4.8	Support for competitive examinations and career counselling	B	
4.9	Extra Curricular Activities	A	Sports, NCC and NSS units are doing a fine job.

(5) CENTRAL LIBRARY FACILITY

SNO	ITEM	GRADE	COMMENTS
5.1	<p>Services: (Please rate the following services in the library)</p> <ul style="list-style-type: none"> • Circulation services • Clipping Services • Bibliographic compilation • Information display services • Reference/referral services • Photocopy and printing services • User Orientation / Information Literacy • Resource sharing • Internet/digital resources • Suggestion Box 	A	Library is automated with Libsys and barcoding.
5.2	<p>Usage:</p> <p>Average number of visitors to the library per day, books issued / returned per day, visitors to the digital library per day</p>	B	250

(6) EXAMINATION SECTION

SNO	ITEM	GRADE	COMMENTS
6.1	Availability of space and staff security measures	A	Adequate space with single entry with Biometric authentication and CC cameras are in place
6.2	<p>Maintenance of records: (Please rate the maintenance of the following records)</p> <p>Register for Answer booklet (Used/unused),</p> <p>Register for Marks memos (used / unused),</p> <p>Availability of Answer scripts of earlier semesters/years,</p> <p>Preparation and adherence to time tables)</p>	A	Impressive Automation system with all security features in place. Answer books are being stored since the Institute attained Autonomous status.
6.3	Adherence to Procedures (Question paper setting, conduct of examinations, Declaration of results, Revaluation)	A	All procedures are scrupulously maintained.

(7) AMINITIES AND SPORTS FACILITY

SNO	ITEM	GRADE	COMMENTS
7.1	Activities during the period	A	A number of activities are being conducted.
7.2	Special recognitions / prizes/	B	4 participations at National level. 4

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	achievements during the period:		prizes at state level and at National level.
7.3	Hostels	B	Hostels are available for 220 girls and 80 boys
7.4	Additional facilities available on campus like bank / post office / etc.,	A	Syndicate Bank is within the campus.
7.5	First aid doctor facility	B	Part time Doctor visits the campus for 2 hours every day.
7.6	Other facilities	A	A Co-operative Stores, Yoga Center, Transport Facility for students and Staff, Canteen, Waiting Halls for Boys and Girls, Gym for Boys and Girls and an Auditorium are available.

(8) PLACEMENT CELL:

SNO	ITEM	GRADE	COMMENTS
8.1	Campus placement activity	B	63 companies visited for placement. 606 offers for 484 students out of 625 eligible students. Average/Median/Highest Salary: 3.1/3.5/8 L.
8.2	Industry Institute collaborations	B	Being handled by respective Departments.
8.3	Details of programmes conducted by the placement cell for personality development / communication skill / entrepreneurship development etc.	B	15 programs on programming, communication skills and personality development were organized by external experts with support from internal members.

(9) SOCIAL SERVICE AND EXTENSION ACTIVITIES:

SNO	ITEM	GRADE	COMMENTS
9.1	Functioning of recognized units available	A	Active NCC, NSS units. A Lieutenant officer is available for NCC.
9.2	Activities during the year in the sphere of extension activities and Institutional Social Responsibility	A	A number of activities under NCC and NSS have been organized. Blood Donation activity resulted in Guinness record.

(10) ADMINISTRATIVE MATTERS:

SNO	ITEM	GRADE	COMMENTS
10.1	Financial allocation and expenditure	A	Budget proposals from each Department will be consolidated and sent to Management. Full sanction is always granted by the Management. Expenditure is in the order of 80-85%.
10.2	Procedures and implementation of	A	All staff related procedures and

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	faculty and staff related matters		service rules are available in the Institute website. 6 th CPC is fully implemented. Promotions are regularly implemented as per AICTE norms
10.3	Support to socially backward students	A	SC/ST, OBC and Minority Cells are in place. Under Book Bank students are issued upto 6 books per semester.
10.4	Support to differently abled students	A	Lift and Ramps are available at all entries.
10.5	Support to foreign students on campus		No foreign students.
10.6	General Campus maintenance	A	Campus is clean and green and the maintenance is good.
10.7	Faculty and staff grievance redressal mechanism	B	In place.

(11) GOVERNANCE, LEADERSHIP AND MANAGEMENT

SNO	ITEM	GRADE	COMMENTS
11.1	Pursuit of the vision and Mission of the Institution	B	IQAC cell as per norms in place. All Quality aspects are continuously monitored. An advisory committee is also in place.
	Quality improvement strategies adopted by the institution for Curriculum Development Teaching Learning Examination and Evaluation Research and development Library , ICT and Physical Infrastructure /Instrumentation Human Resource Management Industry Interaction/Collaboration Admission of students		
11.2	Activities and support from the Alumni Association	C	Limited visibility of Alumni. Can be improved.
11.3	Activities and support from the Parent - Teacher Association	B	Two meetings organized every year.
11.4	Interaction and support from the Industry	B	Active MOUs in all departments resulting in student and Faculty training, student internships & projects. A few of them getting converted into placements.
11.5	Description of administration	A	Employee friendly Management with financial incentives for Publishing Patents, Quality Journal Publications, Research seed grant, Deputing Faculty for FDPs and conferences.

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12 Best Practices of the Institution:

1. Research seed grant being sanctioned to each Department in order to promote research culture.
2. Faculty are being encouraged by providing fully financial support for Patenting, which is resulting in the grant of patents.
3. Employee friendly working environment with good retention
4. Fifty percent course fee is reimbursed by the management if they get AAA/AA rating in NPTEL courses.
5. Fifty percent membership fee is reimbursed by the management in professional bodies.
6. Free transport facility to faculty.
7. Incentives for Highest pass percentage.
8. Incentives for quality research publications resulting in substantial improvement in quality and quantity of publications.
9. Merit Scholarships, Gold medals, Best project, Innovative project are supported by Management.
10. Regular revision of Curriculum with CBCS is also implemented.

Suggestions for improvement:

1. Sponsored research and consultancy is very poor. The Institute may take steps such as: conducting training/workshops on how to write good research proposals by inviting eminent researchers. Management may award cash incentives (upto 5% of the sanctioned grant) to faculty for Professional Development.
2. Though there is a substantial improvement in publications, more effort is required from faculty to improve the quality.
3. Faculty in all Departments shall be encouraged to acquire PhD by giving all possible support with a target of having all faculty with PhD by 2025.
4. Consultancy activity is absent. A liaison Cell may be created with the objective of identifying problems faced by the nearby industries.
5. Special efforts are required to attract core companies for campus placement.
6. A policy at the Institute level may be framed to define the minimum period of retention of old answer booklets.
7. Alumni visibility is poor. Alumni contributions by way of offering Gold Medals, Scholarships, Internships and Placements need to be pursued.
8. Pass % at the end of first year especially in Civil, Mechanical and Electrical needs improvement. Counselling and Mentoring the First-year students and parents by respective Departments. Senior faculty from each Department need to address the first-year students every week giving exposure to the branch. If needed, an audit course at First year level with a contact of 1 hour/week may be considered.

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9. Innovative and best practices followed in some Departments like Semester Readiness Program need to be shared and followed by other Departments.
10. Management may think of rotating Heads of the Departments. Such senior people may be given Administrative responsibilities at the Institute level such as Deans, Advisors etc.
11. Management may provide financial incentives for the students joining the Institute with EAMCET Ranks less than 5000 and JEE ranks less than 20000 to attract meritorious students.
12. Group Savings Linked Insurance & Group Medical Insurance for Staff and Students with partial support from Management may be considered.

Name and Signature of the IQAC Coordinator



Name and Signature of the External Auditors:

1. Dr. A. Sarath Babu, Professor, Dept. of Chemical Engg., N.I.T. Warangal

A. S. Babu
12/2/21

2. Dr. A. Venu Gopal, Professor, Dept. of Mechanical Engg., N.I.T. Warangal

AVG
12/2/21

Name and Signature of the Principal



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UG TOTAL:		720	705
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1	M.Tech. (Computer Science & Engineering)	18	0
2	M.Tech. (Power System Control & Automation)	18	0
3	M.Tech. (Machine Design)	18	1
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PG TOTAL		132	65
UG & PG TOTAL:		852	770

(1) ACADEMIC ACTIVITIES

SNO	ITEM	GRADE	COMMENTS
1.1	Feedback on curricular and other aspects from stakeholders	A	Feedback from all stakeholders is regularly collected.
1.2	Revision / Update of regulation or syllabi	A	Syllabus for all UG programs revised in 2019 (R-19) with 160 credits based on CBCS.
1.3	Academic activity conducted beyond the prescribed curriculum during the AY:	A	Number of training programs, Certification Programs, Bridge courses, Value added courses is in place
1.4	Total No. of teaching days during the AY:	A	180 days
1.5	Preparation, distribution and availability of time-tables, Academic Calendar,	A	All the information is available in the Institute website

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	Curriculum and syllabi		
1.6	Academic, administrative set up and functioning	A	All statutory bodies to monitor academic progress is in place.
1.7	Faculty strength cadre-wise, Teacher student ratio, Non-teaching staff strength	A	Faculty strength, Cadre ratio and Teacher student ratio are well within the prescribed norms of AICTE.
1.8	Class rooms, program specific labs, computing facility and other labs availability	A	Required number of class rooms, program specific labs and computing facility is available in each department. In addition Project labs and Research labs are also established.
1.9	Attainment levels of the POs of the programme	attainment level	The PO levels in all the Departments have attained the targets.
	B.Tech in Civil Engineering	A	
	B.Tech in Computer Science & Engineering	A	
	B.Tech in Electronics and Communication Engineering	A	
	B.Tech in Electrical and Electronics Engineering	A	
	B.Tech in Information Technology	A	
	B.Tech in Mechanical Engineering	A	
	MBA		

(2) RESEARCH AND INNOVATION

SNO	ITEM	GRADE	COMMENTS
2.1	Research ambiance, activity and innovation (quality & quantity)	B	There is a significant improvement in the quality and quantity of publications in each Department. Patent filing, publishing also initiated. A few patents have also been granted in few departments. Most of the faculty with PhD are guiding external as well as internal research scholars.
2.2	Sponsored Research Projects and Consultancy	C	Sponsored research projects are limited to one or two Departments. Needs significant improvement.
2.3	Initiatives undertaken towards faculty development	B	Faculty members have been actively pursuing subjects in Course Era and NPTEL. All the faculty are actively participating in FDPs, Work shops and conferences. However, the number of FDP's organized is low.

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2.4	Development Programmes for supporting staff	B	Almost all the Departments have been regularly organizing training programs for non-teaching staff.
2.5	Innovative processes adopted in teaching & learning	A	All the faculty are using ICT tools. In addition to the online classes are conducted using Google meet and the video lectures are being shared.

(3) INFRASTRUCTURE AND INTERNET CONNECTIVITY

SNO	ITEM	GRADE	COMMENTS
3.1	Availability of band-width of connectivity	A	Satisfactory
3.2	Usage of digital library and computing facilities	B	Satisfactory.
3.3	Availability of information on college web-site	A	The website is up to date with latest announcements, notifications and results. The students will be able to see the information including results on their mobiles.
3.4	Available facilities like class rooms/seminar halls/LCD /Wifi/ICT/ video center/courts/ equipment etc	A	Wi-Fi enabled campus.

(4) STUDENT SUPPORT AND PROGRESSION:

SNO	ITEM	GRADE	COMMENTS
4.1	Transformation rate from I year to II year (passed all subjects in first attempt)	C	The pass % in Civil, Electrical and Mechanical is very poor. Needs substantial improvement.
4.2	Remedial teaching for slow learners	A	Remedial classes are conducted in every Department with 80% success rate
4.3	Activities of Grievance redressal mechanism	A	In place
4.4	Scholarships and Financial support	A	In addition to the fee reimbursement from AP state, a number of scholarships are in place, which includes MCM from SAGTE.
4.5	Academic Performance (of outgoing students of the period), Year – Wise Student Performance	B	Overall pass % at the end of fourth year is reasonably good, which has a scope for improvement.
4.6	Professional society/Chapter activities	B	All the departments have active Associations/ student chapters through which a number of activities are being conducted.
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	development schemes		
4.8	Support for competitive examinations and career counselling	B	
4.9	Extra Curricular Activities	A	Sports, NCC and NSS units are doing a fine job.

(5) CENTRAL LIBRARY FACILITY

SNO	ITEM	GRADE	COMMENTS
5.1	<p>Services: (Please rate the following services in the library)</p> <ul style="list-style-type: none"> • Circulation services • Clipping Services • Bibliographic compilation • Information display services • Reference/referral services • Photocopy and printing services • User Orientation / Information Literacy • Resource sharing • Internet/digital resources • Suggestion Box 	A	Library is automated with Libsys and barcoding.
5.2	<p>Usage:</p> <p>Average number of visitors to the library per day, books issued / returned per day, visitors to the digital library per day</p>	B	250

(6) EXAMINATION SECTION

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6.3	Adherence to Procedures (Question paper setting, conduct of examinations, Declaration of results, Revaluation)	A	All procedures are scrupulously maintained.

(7) AMINITIES AND SPORTS FACILITY

SNO	ITEM	GRADE	COMMENTS
7.1	Activities during the period	A	A number of activities are being conducted.
7.2	Special recognitions / prizes/	B	4 participations at National level. 4

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	achievements during the period:		prizes at state level and at National level.
7.3	Hostels	B	Hostels are available for 220 girls and 80 boys
7.4	Additional facilities available on campus like bank / post office / etc.,	A	Syndicate Bank is within the campus.
7.5	First aid doctor facility	B	Part time Doctor visits the campus for 2 hours every day.
7.6	Other facilities	A	A Co-operative Stores, Yoga Center, Transport Facility for students and Staff, Canteen, Waiting Halls for Boys and Girls, Gym for Boys and Girls and an Auditorium are available.

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10.6	General Campus maintenance	A	Campus is clean and green and the maintenance is good.
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SNO	ITEM	GRADE	COMMENTS
11.1	Pursuit of the vision and Mission of the Institution	B	IQAC cell as per norms in place. All Quality aspects are continuously monitored. An advisory committee is also in place.
	Quality improvement strategies adopted by the institution for Curriculum Development Teaching Learning Examination and Evaluation Research and development Library, ICT and Physical Infrastructure /Instrumentation Human Resource Management Industry Interaction/Collaboration Admission of students		
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11.5	Description of administration	A	Employee friendly Management with financial incentives for Publishing Patents, Quality Journal Publications, Research seed grant, Deputing Faculty for FDPs and conferences.

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12 Best Practices of the Institution:

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12. Group Savings Linked Insurance & Group Medical Insurance for Staff and Students with partial support from Management may be considered.

Name and Signature of the IQAC Coordinator

Name and Signature of the External Auditors:

1. Dr. A. Sarath Babu, Professor, Dept. of Chemical Engg., N.I.T. Warangal

A. S. Babu
12/2/21

2. Dr. A. Venu Gopal, Professor, Dept. of Mechanical Engg., N.I.T. Warangal

Dr. A. Venu Gopal
12/2/21

Name and Signature of the Principal

[Signature]

**Prasad V. Potluri Siddhartha Institute of Technology
(Autonomous)**

Kanuru, Vijayawada – 520 007

(Permanently Affiliated to JNTUK, KAKINADA, Accredited by NBA, Accredited with A+ grade by
NAAC, ISO 9001:2015 Certified Institute)

INTERNAL QUALITY ASSURANCE CELL (IQAC)



**EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT
AY: 2019-20**

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT FOR AY: 2019-20

Name of the Head of the Department: Dr. K. Ramesh

Name of the Programme: B.Tech in Civil Engineering

(The activities are to be graded on the following scale)

Excellent	Good	Satisfactory	Need Improvement
A	B	C	D

(1) ACADEMIC ACTIVITIES

SNO	ITEM	GRADE	COMMENTS
1.1	Feedback on curricular and other aspects from stakeholders	A	Feedback from all the stakeholders is in place
1.2	Revision / Update of regulation or syllabi	A	The syllabi has been updated in 2019 with CBCS with 160 credits
1.3	Academic activity conducted beyond the prescribed curriculum during the AY: 2019-20	A	1 Skill training, 2 workshops and 4 guest lectures were conducted
1.4	Total No. of teaching days during the AY: 2019-20	A	180 days
1.5	Preparation, distribution and availability of time-tables, Academic Calendar, Curriculum and syllabi	A	Available in the Institute website
1.6	Academic, administrative set up and functioning	A	DAB, PAC, Module coordinator and Course coordinators in place
1.7	Faculty strength cadre-wise, Teacher student ratio, Non-teaching staff strength	A	FS: 13 (2P + 3 Asso. + 8 Asst.) ; SFR: 1: 16; NT: 4
1.8	Class rooms, program specific labs , computing facility and other labs availability	A	6 CR + 1 E-Class + 1 Tutorial room + 1 Seminar Hall, 8 labs, 1 Computer Lab
1.9	Attainment levels of the POs of B.Tech in CIVIL Engineering	A	All the PO attainments are (80%) which are well above the set targets

(2) RESEARCH AND INNOVATION

SNO	ITEM	GRADE	COMMENTS
2.1	Research ambiance, activity and innovation (quality & quantity)	C	Only 2 out of 8 faculty registered for PhD. All the faculty must be persuaded to register for PhD and also monitor their progress. If needed, load relaxation may be considered for those who are in advanced stage. Publications: 4 SCI Faculty are guiding 8 external research scholars 2 patents Published
2.2	Sponsored Research Projects and Consultancy	B	Consultancy: Rs. 1.10L; SAGTE sponsored Project: Rs. 2.05 L
2.3	Initiatives undertaken towards faculty development	B	Faculty are encouraged to attend FDPs, Workshops and Conferences
2.4	Development Programmes for	B	All technical staff underwent Survey

	supporting staff		training program conducted by Ladder Survey Institute.
2.5	Innovative processes adopted in teaching & learning	A	All the teachers used ICT tools, Project based learning. Online classes through Google meet and shared the video lectures.
2.6	Industry Institute collaborations	A	Signed MOU's with Ladder Survey, NHAI and Ladder Projects in addition to the existing

(3) STUDENT SUPPORT AND PROGRESSION:

SNO	ITEM	GRADE	COMMENTS
3.1	Transformation rate from I year to II year (passed all subjects in first attempt)	D	30%. Needs substantial improvement
3.2	Remedial teaching for slow learners	A	In place resulting in 80% success rate
3.3	Activities of Grievance redressal mechanism	A	In place
3.4	Scholarships and Financial support	A	In addition to fee reimbursement from AP state, several scholarships are in place at the Institute level.
3.5	Academic Performance (of outgoing students of the period), Year – Wise Student Performance	A	I yr: 30%; II Yr: 60%, III Yr: 77% and IV Yr: 85%
3.6	Professional society/Chapter activities	A	ICI/IGBC/ISTE student Chapters in place. Civil Engg. Student Association started
3.7	Number of capability enhancement and development schemes	B	1 Certificate Course on Surveying conducted resulting in 8 placements out of 50 attended.
3.8	Support for competitive examinations and career counselling	B	Regular counseling of students by Head and Senior faculty in place
3.9	Extra Curricular Activities	A	Good Participation. 18 students received prizes.

Name and Signature of the Department IQAC Coordinator

K. Ramelle
12/2/21

Name and Signature of the Head of the Department

K. Ramelle (Dr. K. RAMELLE)
12/2/2021

Name and Signature of the External Auditor-1

Dr. A. Sarath Babu, Professor, Dept. of Chemical Engg., NIT Warangal

A. S. Babu
12/2/21

Name and Signature of the External Auditor-2

Dr. A. Venu Gopal, Professor, Dept. of Mechanical Engg., NIT Warangal

V. Gopal
12/2/21

Name and Signature of the IQAC Coordinator

M. V. G.
12/2/21

**Prasad V. Potluri Siddhartha Institute of Technology
(Autonomous)**

Kanuru, Vijayawada – 520 007

(Permanently Affiliated to JNTUK, KAKINADA, Accredited by NBA, Accredited with A+ grade by
NAAC, ISO 9001:2015 Certified Institute)

INTERNAL QUALITY ASSURANCE CELL (IQAC)



**EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT
AY: 2019-20**

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT FOR AY: 2019-20

Name of the Head of the Department: Dr. A. Jayalakshmi

Name of the Programme: B.Tech. in Computer Science and Engineering

(The activities are to be graded on the following scale)

Excellent	Good	Satisfactory	Need Improvement
A	B	C	D

(1) ACADEMIC ACTIVITIES

SNO	ITEM	GRADE	COMMENTS
1.1	Feedback on curricular and other aspects from stakeholders	A	Feedback from all the stakeholders is in place
1.2	Revision / Update of regulation or syllabi	A	The syllabi has been updated in 2019 with CBCS with 160 credits
1.3	Academic activity conducted beyond the prescribed curriculum during the AY: 2019-20	A	11 Certification programs were conducted. Faculty have done 95+16 subjects in Course Era + NPTEL
1.4	Total No. of teaching days during the AY: 2019-20	A	180 days
1.5	Preparation, distribution and availability of time-tables, Academic Calendar, Curriculum and syllabi	A	Available in the Institute website
1.6	Academic, administrative set up and functioning	A	DAB, PAC, Module coordinator and Course coordinators in place
1.7	Faculty strength cadre-wise, Teacher student ratio, Non-teaching staff strength	A	FS: 34 (5P + 2 Asso. + 27 AP) ; SFR: 1: 16.28; NT: 10 + 2
1.8	Class rooms, program specific labs, computing facility and other labs availability	A	7 CR + 1 E-Class + 2 Tutorial room + 1 Seminar Hall, 11 labs, 1 Research Lab established by Devs Park for student internships and Projects.
1.9	Attainment levels of the POs of B.Tech in CSE	A	All the PO attainments are (100%) which are well above the set targets

(2) RESEARCH AND INNOVATION

SNO	ITEM	GRADE	COMMENTS
2.1	Research ambiance, activity and innovation (quality & quantity)	A	Faculty with PhD.: 10; 17 out of remaining 24 have registered for PhD. 4 faculty awarded with PhD in 2019-20. Publications: 42 Journal (13 Scopus + 1 SCI+ 28 Others), 2 International Conference Papers, 2 Book Chapters. 5 patents published and 2 books published. Faculty are guiding 10 research scholars.
2.2	Sponsored Research Projects and Consultancy	B	AICTE sponsored Projects: 6. + 2.13 L and 1.1 L sanctioned by SAGTE in 2019-20.
2.3	Initiatives undertaken towards faculty development	A	2 FDPs organized. Faculty participated in a number of w/s, FDPs, Seminars

			and Webinars totaling 930 man days.
2.4	Development Programmes for supporting staff	B	All technical staff underwent 2 training programs on Linux Administration and Labview.
2.5	Innovative processes adopted in teaching & learning	A	All the teachers are using ICT tools. Adopting an innovative Semester Readiness program at the beginning of each semester for all the faculty
2.6	Industry Institute collaborations	B	MOU's with DevsPark and ANBLICKS signed in 19-20 in addition to 11 existing MOUs.

(3) STUDENT SUPPORT AND PROGRESSION:

SNO	ITEM	GRADE	COMMENTS
3.1	Transformation rate from I year to II year (passed all subjects in first attempt)	A	86.27% pass. One of the best in the Institute.
3.2	Remedial teaching for slow learners	A	In place, resulting in more than 80% success rate
3.3	Activities of Grievance redressal mechanism	A	In place
3.4	Scholarships and Financial support	A	In addition to fee reimbursement from AP state, several scholarships are in place at the Institute level.
3.5	Academic Performance (of outgoing students of the period), Year-wise Student Performance	A	I yr: 86.27%; II Yr: 93.18, III Yr: 83.3% and IV Yr: 93.93%
3.6	Professional society/Chapter activities	B	ACM/CSI/ISTE Student Chapters in place. A total number of 4 programs organized.
3.7	Number of capability enhancement and development schemes	A	Students are identified and being trained since III year in enhancing the coding skills.
3.8	Support for competitive examinations and career counselling	B	Enhancing the coding skills may result in getting high profile placements.
3.9	Extra Curricular Activities	B	

Name and Signature of the Department IQAC Coordinator

D. Sulekha
12/2/21

Name and Signature of the Head of the Department

M. Sankar
12/2/21

Name and Signature of the External Auditor-1

Dr. A. Sarath Babu, Professor, Dept. of Chemical Engg., NIT Warangal

For HOD.
A. S. Babu
12/2/21

Name and Signature of the External Auditor-2

Dr. A. Venu Gopal, Professor, Dept. of Mechanical Engg., NIT Warangal

A. V. Gopal
12/2/21

Name and Signature of the IQAC Coordinator

S. N. S.
12/2/21

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INTERNAL QUALITY ASSURANCE CELL (IQAC)



**EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT
AY: 2019-20**

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT FOR AY: 2019-20

Name of the Head of the Department: Dr. P. Rajesh Kumar

Name of the Programme: B.Tech. in Electronics and Communication Engineering

(The activities are to be graded on the following scale)

Excellent	Good	Satisfactory	Need Improvement
A	B	C	D

(1) ACADEMIC ACTIVITIES

SNO	ITEM	GRADE	COMMENTS
1.1	Feedback on curricular and other aspects from stakeholders	A	Feedback from all the stakeholders is in place
1.2	Revision / Update of regulation or syllabi	A	The syllabi has been updated in 2019 with CBCS with 160 credits
1.3	Academic activity conducted beyond the prescribed curriculum during the AY: 2019-20	A	Students were grouped based on their interest and a number of training programs on VLSI, Labview and IOT were conducted
1.4	Total No. of teaching days during the AY: 2019-20	A	180 days
1.5	Preparation, distribution and availability of time-tables, Academic Calendar, Curriculum and syllabi	A	Available in the Institute website
1.6	Academic, administrative set up and functioning	A	DAB, PAC, Module coordinator and Course coordinators in place
1.7	Faculty strength cadre-wise, Teacher student ratio, Non-teaching staff strength	A	FS: 28 (3P + 7 Asso. + 4 Sr Asst + 14 AP) ; SFR: 1: 17.53; NT: 6 Tech. + 2
1.8	Class rooms, program specific labs, computing facility and other labs availability	A	7 CR + 1 E-Class + 1 Tutorial room + 1 Seminar Hall, 7 labs, 1 Computer Lab, 1 Project Lab
1.9	Attainment levels of the POs of B.Tech in ECE	A	All the PO attainments are (90%) which are well above the set targets

(2) RESEARCH AND INNOVATION

SNO	ITEM	GRADE	COMMENTS
2.1	Research ambience, activity and innovation (quality & quantity)	C	Faculty with PhD.: 7; 18 out of remaining 21 have registered for PhD. Publications: 30 Journal (9 Scopus + 21 Others), 4 Book Chapters and 5 Int. Conference Papers. Faculty are guiding 6 research scholars out of which 1 PhD awarded
2.2	Sponsored Research Projects and Consultancy	B	Developed a Product: Monkey Repellant and is undergoing field tests. Has a potential for patent and consultancy.
2.3	Initiatives undertaken towards faculty development	B	Faculty are encouraged to attend FDPs, Workshops and Conferences. Faculty participation: 424 man days. Faculty

			have undergone 77 Course Era + 14 NPTEL courses.
2.4	Development Programmes for supporting staff	B	All technical staff underwent training program on Labview conducted by NI.
2.5	Innovative processes adopted in teaching & learning	A	All the teachers used ICT tools. Team teaching was implemented for PSCP course, which resulted in better results.
2.6	Industry Institute collaborations	B	Signed MOU's with Optithought, Grupo-Antolin.

(3) STUDENT SUPPORT AND PROGRESSION:

SNO	ITEM	GRADE	COMMENTS
3.1	Transformation rate from I year to II year (passed all subjects in first attempt)	A	88% pass, which is one of the best among the Departments.
3.2	Remedial teaching for slow learners	A	In place resulting in 80% success rate
3.3	Activities of Grievance redressal mechanism	A	In place
3.4	Scholarships and Financial support	A	In addition to fee reimbursement from AP state, several scholarships are in place at the Institute level.
3.5	Academic Performance (of outgoing students of the period), Year-wise Student Performance	A	I yr: 88%; II Yr: 82%, III Yr: 81% and IV Yr: 92%
3.6	Professional society/Chapter activities	A	IEEE student Chapter started in 2019 in addition to the existing IETE. A total number of 11 programs organized.
3.7	Number of capability enhancement and development schemes	A	Divided the students into three groups: Labview, IOT and VLSI based on their interest and training them resulting in Projects with conference papers.
3.8	Support for competitive examinations and career counselling	B	Focused training is expected to result in better placements.
3.9	Extra Curricular Activities	B	

Name and Signature of the Department IQAC Coordinator

For Sunti

Name and Signature of the Head of the Department

P. R.

Name and Signature of the External Auditor-1

Dr. A. Sarath Babu, Professor, Dept. of Chemical Engg., NIT Warangal

A. S. Babu
12/2/21

Name and Signature of the External Auditor-2

Dr. A. Venu Gopal, Professor, Dept. of Mechanical Engg., NIT Warangal

A. V. Gopal
12/2/21

Name and Signature of the IQAC Coordinator

M. J.
12/2/21

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INTERNAL QUALITY ASSURANCE CELL (IQAC)



**EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT
AY: 2019-20**

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT FOR AY: 2019-20

Name of the Head of the Department: Dr. M. Venu Gopala Rao

Name of the Programme: B.Tech. in Electrical and Electronics Engineering

(The activities are to be graded on the following scale)

Excellent	Good	Satisfactory	Need Improvement
A	B	C	D

(1) ACADEMIC ACTIVITIES

SNO	ITEM	GRADE	COMMENTS
1.1	Feedback on curricular and other aspects from stakeholders	A	Feedback from all the stakeholders is in place
1.2	Revision / Update of regulation or syllabi	A	The syllabi has been updated in 2019 with CBCS with 160 credits
1.3	Academic activity conducted beyond the prescribed curriculum during the AY: 2019-20	B	Number of training programs on Labview, PCB Design, FPGA in addition to APSSDC skill development programs were conducted
1.4	Total No. of teaching days during the AY: 2019-20	A	180 days
1.5	Preparation, distribution and availability of time-tables, Academic Calendar, Curriculum and syllabi	A	Available in the Institute website
1.6	Academic, administrative set up and functioning	A	DAB, PAC, Module coordinator and Course coordinators in place
1.7	Faculty strength cadre-wise, Teacher student ratio, Non-teaching staff strength	A	FS: 28 (3P + 5 Asso. + 20 AP) ; SFR: 1: 19.46; NT: 9 Tech. + 2
1.8	Class rooms, program specific labs, computing facility and other labs availability	A	6 CR + 1 E-Class + 3 Tutorial room + 1 Seminar Hall, 8 labs, 1 Computer Lab
1.9	Attainment levels of the POs of B.Tech in EEE	A	All the PO attainments are well above the set targets.

SNO	ITEM	GRADE	COMMENTS
2.1	Research ambience, activity and innovation (quality & quantity)	A	Faculty with PhD.: 8; 17 out of remaining 20 have registered for PhD. 1 PhD awarded and 2 submitted in 2019-20. Publications: 30 Journal (16 Scopus + 14 Others), 7 International Conference Papers. 1 Book published. Faculty are guiding 12 research scholars. Patents: 2 published.
2.2	Sponsored Research Projects and Consultancy	B	13.0 L MODROBS and 3 projects sanctioned by SAGTE for 2.25 L
2.3	Initiatives undertaken towards faculty development	B	Faculty are encouraged to attend FDPs, Workshops and Conferences. Faculty

			participation: 643 man days. 1 FDP Organized.
2.4	Development Programmes for supporting staff	A	All technical staff underwent 4 training programs of 1 day each.
2.5	Innovative processes adopted in teaching & learning	A	All the teachers used ICT tools.
2.6	Industry Institute collaborations	B	Signed MOU's with Powerlab, NTPPS, GS Electricals and Vijaya Electricals.

(2) RESEARCH AND INNOVATION

(3) STUDENT SUPPORT AND PROGRESSION:

SNO	ITEM	GRADE	COMMENTS
3.1	Transformation rate from I year to II year (passed all subjects in first attempt)	B	53.6% pass. Needs improvement.
3.2	Remedial teaching for slow learners	A	In place, resulting in 80% success rate
3.3	Activities of Grievance redressal mechanism	A	In place
3.4	Scholarships and Financial support	A	In addition to fee reimbursement from AP state, several scholarships are in place at Institute level.
3.5	Academic Performance (of outgoing students of the period), Year-wise Student Performance	B	I yr: 53.6%; II Yr: 56.93%, III Yr: 68.8% and IV Yr: 81.75%
3.6	Professional society/Chapter activities	B	ISTE/IEEE/IETE student Chapters in place. A total number of 2 programs organized.
3.7	Number of capability enhancement and development schemes	A	Conducted training programs on Labview, FPGA, PCB Design and skill development programs by APSSDC.
3.8	Support for competitive examinations and career counselling	B	86 placements for 78 students out of 95 eligible students
3.9	Extra Curricular Activities	B	

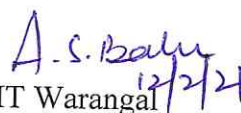
Name and Signature of the Department IQAC Coordinator



Name and Signature of the Head of the Department

Name and Signature of the External Auditor-1

Dr. A. Sarath Babu, Professor, Dept. of Chemical Engg., NIT Warangal



12/2/21

Name and Signature of the External Auditor-2

Dr. A. Venu Gopal, Professor, Dept. of Mechanical Engg., NIT Warangal



Name and Signature of the IQAC Coordinator


12/2/21

12/2/21

Prasad V. Potluri Siddhartha Institute of Technology (Autonomous)

Kanuru, Vijayawada – 520 007

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EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT

2019-20

DEPT OF INFORMATION TECHNOLOGY

(EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT)

FOR AY: 2019-20

Name of the Head of the Department: Dr. B.V.Subba Rao

Name of the Programme: Information Technology

(The activities are to be graded on the following scale)

Excellent	Good	Satisfactory	Need Improvement
A	B	C	D

(1) ACADEMIC ACTIVITIES

SNO	ITEM	GRADE	COMMENTS
1.1	Feedback on curricular and other aspects from stakeholders	A	Stakeholders views are considered in designing the curriculum
1.2	Revision / Update of regulation or syllabi	A	PVP19
1.3	Academic activity conducted beyond the prescribed curriculum during the AY:	A	Value added/certification courses are conducted. Content beyond syllabus is being delivered.
1.4	Total No. of teaching days during the AY:	A	-
1.5	Preparation, distribution and availability of time-tables, Academic Calendar, Curriculum and syllabi	A	Maintained well
1.6	Academic, administrative set up and functioning	A	A total of 40 committees are constituted for effective functioning of the department
1.7	Faculty strength cadre-wise, Teacher student ratio, Non-teaching staff strength	B	Good number of faculty with doctorates are available, awaiting for the promotion(Associate level)
1.8	Class rooms, program specific labs , computing facility and other labs availability	A	
1.9	Attainment levels of the POs of the programme	PO attainment level	Achieved more than the target level of 65%
	B.Tech in Engineering		

(2) RESEARCH AND INNOVATION


SNO	ITEM	GRADE	COMMENTS
2.1	Research ambiance , activity and innovation (quality & quantity)	B	4 research groups are formed and research targets are being set. Published papers in SCOPUS indexed journals.
2.2	Sponsored Research Projects and Consultancy	B	Applying for research grants every year. Two projects are applied for external funding
2.3	Initiatives undertaken towards faculty development	A	Faculty are encouraged to attend FDP's at higher institutes and training in thrust areas.
2.4	Development Programmes for supporting staff	A	
2.5	Innovative processes adopted in teaching & learning	A	MOODLE, FLIP classes, Brain storming sessions are being implemented. NPTEL and Coursera courses are being taken by students and faculty.
2.6	Industry Institute collaborations	A	MOUs with different IT industries. Guest Lectures from industry personals are also encouraged

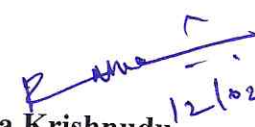
(3) STUDENT SUPPORT AND PROGRESSION:

SNO	ITEM	GRADE	COMMENTS
3.1	Transformation rate from I year to II year (passed all subjects in first attempt)	A	89 % of students cleared all the subjects in II year (73% in I year)
3.2	Remedial teaching for slow learners	A	Effectively conducting remedial classes. Quality circles are constituted for students to clear their backlogs.
3.3	Activities of Grievance redressal mechanism	A	
3.4	Scholarships and Financial support	A	A very good number of students got scholarships. Some students got scholarships above Rs. 20,000/-
3.5	Academic Performance (of outgoing students of the period), Year – Wise Student Performance	A	98.19% -Good Performance. Out of 111 students 109 students got


			degrees
3.6	Professional society/Chapter activities	A	Students are actively involved in professional society activities. Students participated in CSI /ISTE technical Fests conducted by various institutes.
3.7	Number of capability enhancement and development schemes	A	Students are encouraged to participate in various technical events , value added courses etc. through proper counseling mechanisms.
3.8	Support for competitive examinations and career counselling	A	CRT classes and career counseling are conducted.
3.9	Extra Curricular Activities	A	Students are encouraged to take active part in Extra Curricular Activities.

Name and Signature of the External Auditor:


12/02/2021
1. Dr. K. Shahu Chatrapati,
Professor & HOD Dept of CSE,
JNTUH College of Engineering,
Manthani.


12/02/2021
2. Dr T. Rama Krishnu,
Assistant Professor, Dept of
CSE, NIT Warnagal

Name and Signature of the Head of the Department:


12/2/2021
Dr. B.V. Subba Rao,
Professor & Head **HEAD**
Dept. of IT, PVPSIT
Information Technology Department
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 007.

Name and Signature of the Department IQAC Coordinator:


12/2/2021

**Dr. A. Haritha,
Assoc. Professor,
Dept. of IT, PVPSIT**

Name and Signature of the IQAC Coordinator:


12/2/2021

**Dr. S. Madhavi,
Professor,
Dept. of CSE, PVPSIT**

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INTERNAL QUALITY ASSURANCE CELL (IQAC)



**EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT
AY: 2019-20**

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT FOR AY: 2019-20

Name of the Head of the Department: Dr. B. Raghu Kumar

Name of the Programme: B.Tech. in Mechanical Engineering

(The activities are to be graded on the following scale)

Excellent	Good	Satisfactory	Need Improvement
A	B	C	D

(1) ACADEMIC ACTIVITIES

SNO	ITEM	GRADE	COMMENTS
1.1	Feedback on curricular and other aspects from stakeholders	A	Feedback from all the stakeholders is in place
1.2	Revision / Update of regulation or syllabi	A	The syllabi has been updated in 2019 with CBCS with 160 credits
1.3	Academic activity conducted beyond the prescribed curriculum during the AY: 2019-20	A	13 Certification programs were conducted. 397 students and 247 Faculty have done Course Era subjects along with 9 + 12 NPTEL courses
1.4	Total No. of teaching days during the AY: 2019-20	A	180 days
1.5	Preparation, distribution and availability of time-tables, Academic Calendar, Curriculum and syllabi	A	Available in the Institute website
1.6	Academic, administrative set up and functioning	A	DAB, PAC, Module coordinator and Course coordinators in place
1.7	Faculty strength cadre-wise, Teacher student ratio, Non-teaching staff strength	A	FS: 31 (4P + 5 Asso. + 22 AP) ; SFR: 1: 17.03; NT: 11 + 3
1.8	Class rooms, program specific labs, computing facility and other labs availability	A	9 CR + 1 E-Class + 2 Tutorial room + 1 Seminar Hall, 14 labs, 1 Computer Lab, 2 Research Labs; 1 lab with 32 laptops established by DASSAULT
1.9	Attainment levels of the POs of B.Tech in ECE	A	All the PO attainments are (90%) which are well above the set targets

(2) RESEARCH AND INNOVATION

SNO	ITEM	GRADE	COMMENTS
2.1	Research ambience, activity and innovation (quality & quantity)	A	Faculty with PhD.: 9; 18 out of remaining 22 have registered for PhD. 2 faculty awarded with PhD. Publications: 31 Journal (12 Scopus + 19 Others), 13+2 International + National Conference Papers. 8 patents filed, 1 patent awarded. 1 Book Published. Faculty are guiding 9 research scholars out of which 1 PhD awarded
2.2	Sponsored Research Projects and Consultancy	B	AICTE RPS Project: 11.56 L and 3.0 L sanctioned by SAGTE

2.3	Initiatives undertaken towards faculty development	A	1 FDP + 1 International conference organized. Faculty participated in 90+ w/s, FDPs, Seminars and Webinars.
2.4	Development Programmes for supporting staff	B	All technical staff underwent 1 week training program on Mechatronics and another on Labview.
2.5	Innovative processes adopted in teaching & learning	B	All the teachers used ICT tools.
2.6	Industry Institute collaborations	B	MOU's with APSSDC and NDT

(3) STUDENT SUPPORT AND PROGRESSION:

SNO	ITEM	GRADE	COMMENTS
3.1	Transformation rate from I year to II year (passed all subjects in first attempt)	D	30.43% pass. Needs improvement.
3.2	Remedial teaching for slow learners	A	In place resulting in 80% success rate
3.3	Activities of Grievance redressal mechanism	A	In place
3.4	Scholarships and Financial support	A	In addition to fee reimbursement from AP state, several scholarships are in place.
3.5	Academic Performance (of outgoing students of the period), Year-wise Student Performance	A	I yr: 30.43%; II Yr: 63.5%, III Yr: 81.5% and IV Yr: 81.4%
3.6	Professional society/Chapter activities	C	ISTE/ISHRAE in place. A total number of 4 programs organized.
3.7	Number of capability enhancement and development schemes	A	A number of Personal Counseling and Mentoring, Skill development programs, Certification Programs, Remedial courses, Bridge courses were organized.
3.8	Support for competitive examinations and career counselling	C	GATE classes and student training programs on C and Data Structures were organized.
3.9	Extra Curricular Activities	B	

Name and Signature of the Department IQAC Coordinator

Name and Signature of the Head of the Department

Name and Signature of the External Auditor-1

Dr. A. Sarath Babu, Professor, Dept. of Chemical Engg., NIT Warangal

A. S. Babu
12/2/21

Name and Signature of the External Auditor-2

Dr. A. Venu Gopal, Professor, Dept. of Mechanical Engg., NIT Warangal

A. V. Gopal
12/2/21

Name and Signature of the IQAC Coordinator

LIBRARY INFORMATION



CENTRAL LIBRARY

Prasad V. Potluri Siddhartha Institute of Technology
Kanuru, Vijayawada – 520 007
Phones: (0866)2581699, 2581184 (Fax)

Website: www.pvpsiddhartha.ac.in

PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU – VIJAYAWADA
CENTRAL LIBRARY

Dt: 10/02/2021

Library Timings	: 8.00 AM TO 8.00 PM
Sundays	: 9.00 AM TO 12.00 PM
Vacation	: 8.00 AM TO 6.00 PM
Total Plinth Area	: 720 Sqm.
Seating Capacity	: 175
Daily Issues & Returns Approximately	: 250
Users Visit Per Day Approximately	: 250
Total Number of Volumes	: 53992
Total Number of Titles	: 11148
Total Number of Reference Books	: 2528
Book Bank for SC / ST	: 7015
Computerization for Search	: Available
BAR-CODE System Using for	
Issues & Returns of Books	: Yes
Total Number of Journals Back Volumes	: 455
Total Number of Project Reports	: 1690
Total Number of CD's	: 4531
Total Number of e-Books	: 5631
Total Number of NPTEL Video Lessons	: 511
Total Number of Web Contents	: 418
Total Number of Journals / Magazines	
National	: 102
International	: 08
Magazines / Periodicals	: 36

DIGITAL LIBRARY:

Total Number of Systems	: 20 with Multimedia and Internet Facility
Internet Bandwidth & Connectivity	: 200 Mbps (1:1) leased line (Nettlinx) 40Mbps bundled bandwidth (BSNL)
Availability of an Exclusive Server	: Yes
Library Services on Internet /Intranet	: Yes
Media Resource Centre	: Reprographic and Printing facility Available

On Line e – Resources:

IEEE(ASPP), ASCE, ASME, ELSEVIER Engineering and CS., J – Gate Science & Technology, DELNET – IESTC, INFLIBNET – NLIST e – Journals and e – Books are Available.

Digital Library is provided in Central Library where students can access all kinds of e- Journals.

Sl. No.	Name of e-Journals (Portal)	URL Name / Password
1	IEEE (188)	https://ieeexplore.ieee.org/Xplore/home.jsp
2	Elsevier AICTE Science Direct (275)	https://www.sciencedirect.com/
3	J- Gate Science & Technology (17985)	https://igateplus.com/search/
4	ASCE (38)	https://ascelibrary.org/
5	ASME (32)	http://asmedigitalcollection.asme.org/
6	DELNET IESTC (2233)	http://infotrac.galegroup.com/itweb/prasad_potluri **Password Based**
7	DELNET	http://www.delnet.nic.in User Name : appvp Password : pvp703
8	NPTEL Video lessons	http://170.50.0.202
9	GIST e – Books	http://videeya.com/
10	e – Books (63 + 5049)	https://elibrary.in.pearson.com/ User Name : muthyalavsekhar@123 Password : pearson1 packtpub.com User Name : library001@pvpsiddhartha.ac.in To library020@pvpsiddhartha.ac.in Password : Packt123
11	OPAC : On –Line Public Access Catalogue	170.50.0.201:8380

- There are Established Systems for Maintaining and Utilizing facilities in the Library.
- The Central Library has adopted Open Access System. All the books are arranged classified as per Dewey decimal classification 21st edition which is helpful to the users to locate his / her desired book.
- Name of the LMS Software: LIBSYS10 LMS
 - Nature of automation: Fully
 - Version: 10
 - Year of automation: 2017-18
- Central Library is Fully Automated using LIBSYS10 LMS (Library Management Software). It is Web Centric having support for Twenty Thousand Unique Records with five Concurrent housekeeping clients along with twenty five concurrent users for web OPAC (On – line Public Accessing Catalogue) on server Under Windows 2012 platform. This Software is supporting Barcode system for issue & return of books.
- The Library is an Institutional member of DELNET. It provides web access to 1,21,08,793 records of Books, Periodicals, Thesis, Dissertations. It is connected with 2196 libraries.
- Access to the e – resources / NPTEL / SONET video lectures.
- The Library has a collection of 53992 volumes and 11148 Titles on various subjects and more than 2528 reference books covering Biographies, Dictionaries, Encyclopaedias, and Yearbooks etc. It subscribes to 102 National, 08 International (print) Journals and e – Journals (20752).
- 63 Volumes of Pearson e - Books purchased perpetual based. (Life time usage) worth of Rs.2,80,729/-
- 5568 volumes of packt e – Books, 862 Courses and 3122 videos were purchased worth of Rs.1,16,820/- an annually based (Subscription period is one year) i.e. Sep.15th 2020 to Sep. 14th 2021.
- The central library organizes Book Exhibitions / Book Display regularly by inviting various reputed publishers nationwide. The Librarian receives book indent regularly from various HOD'S for their departmental needs. Purchase orders will be placed after the Indent is approved by the Head of the Institution.
- The Central Library holds more than 73 books in its rare book collection. It includes the Documents on Indian Constitution, Ancient Indian Culture, Various Cultures, Religions and subjects like Astronomy, Economy, Literature, Science and Technology etc. The Central Library has a collection of Dictionaries, Encyclopaedias, Hand Books, Books on World War History, Science, Engineering, Technology, History of world famous scientists, Books on Scientific Inventions, Biographies of National Leaders. The Central Library holds books published by the Publication Division, Govt. of India.
- Central Library has Wi-Fi facility.

DEPARTMENT WISE LIST OF VOLUMES AND TITLES

SL. No.	DEPARMENT	No. of TITLES	No. of VOLUMES	NATIONAL JOURNALS	INTER NATIONAL JOURNALS (PRINT FORMAT)
B.Tech.					
1	Mechanical	1452	7482	15	3
2	CSE	2532	10611	7	1
3	IT	2062	9697	5	-
4	ECE	1852	8014	8	-
5	EEE	1521	7189	5	-
6	Civil	740	3839	12	2
M.Tech.					
1	Mechanical	82	840	6	2
2	CSE	148	2240	3	-
3	ECE	98	434	6	-
4	EEE	96	459	3	-
5	Business Administration	565	3187	22	-
	General			10	-
Total		11148	53992	102	08
On Line e – Journals Packages: IEEE (ASPP), ASCE, ASME, ELSEVIER Engineering and CS., J – Gate Engineering & Technology & DELNET – IESTCE. DELNET & N-List Member ships are Available & e-Books Available. Total e – Journals : 20752 Total e – Books : 5631					

Titles & Volumes added during the last five years:

Year	# of New Titles added	# of New Editions added	# of New Volumes added
2019 -2020	27	15	909
2018 - 2019	25	10	944
2017 - 2018	33	15	1447
2016 - 2017	10	15	525
2015 - 2016	40	30	1552
2014 - 2015	60	75	4762

Last Five Years Expenditure on Library Resources : Books, Journals, Furniture & Stationary:

Expenditure Items	Amount (Rs.)					
	2019-2020	2018 - 2019	2017 - 2018	2016 - 2017	2015 - 2016	2014 - 2015
Books	4,35,361:00	3,45,344:00	6,02,646:00	1,87,190:00	5,90,901:00	18,04,845:00
E - Journals	18,70,039:00	20,98,412:00	19,51,865:00	17,19,779:00	13,59,968:00	13,79,526:00
Print Journals	2,29,913:00	1,54,925:00	1,66,796:00	1,94,562:00	1,56,475:00	1,28,552:00
DELNET & N - list Institutional Memberships	19,470:00	19,470:00	13,570:00	11,500:00	17,225:00	11,500:00
Furniture	-	1,84,000:00	7,55,200:00 10,700:00	26,100:00	-	-
Stationary & Binding	54,141:00	16,544:00	31,177:00	35,286:00	26,640:00	18,981:00
e-books	3,98,729:00	-	-	-	-	-
Total	30,07,653:00	28,18,695:00	35,31,954:00	21,74,417:00	21,51,209:00	33,43,404:00

Allocation of Library Budget & Expenditure for the last five years:

Sl. No.	Year	Budget Allocated (Rs.)	Budget Spent (Rs.)	Budget Utilization in Percentage
1	2019 - 2020	36,55,000:00	30,07,653:00 (6,47,347:00) Amount not spent	82.28
2	2018 - 2019	32,67,000:00	28,18,695:00 (4,48,305:00) Amount not Spent	86.2
3	2017 - 2018	38,18,000:00	35,31,954:00 (2,86,046:00) Amount not Spent	92.5
4	2016 - 2017	25,90,000:00	21,74,417:00 (4,15,583:00) Amount not Spent	83.95
5	2015 - 2016	25,90,000:00	21,51,209:00 (4,38,791:00) Amount not Spent	83.05
6	2014 - 2015	31,60,000:00	33,43,404:00 (1,83,404:00) Amount Excess Spent	Excess 10%

Journals Subscription and Internationally acclaimed titles during the last Six years:

Year	# of Technical Magazines/Periodicals	# of Total Technical Journals Subscribed		Internationally Titles in (originals, Reprints)
		Hardcopy	Softcopy	
2021 (2020 – 2021)	36	102+8	20752	IEEE, ASCE, ASME, ELSEVIER Engineering and CS., DELNET - IESTC, J-GATE Science & Technology, DELNET & N – List Annual Institutional Membership & e – Books
2020 (2019 -2020)	37	103+8	20751	IEEE, ASCE, ASME, AICTE Science Direct , , DELNET IESTC e – Journals Package, J-GATE Science & Technology, DELNET & N – List Annual Institutional Membership & e – Books
2019 (2018 -2019)	40	103 +10	21065	IEEE, ASCE, ASME, AICTE Science Direct , , DELNET IESTC e – Journals Package, J-GATE Science & Technology, DELNET & N – List Annual Institutional Membership & e - Books
2018 (2017 -2018)	39	104 +10	4752	IEEE, ASCE, ASME, AICTE Science Direct, DELNET IESTC e – Journals Package, J-GATE Engineering & Technology, DELNET Annual Institutional Membership, GIST – e Books (Freely Downloaded)
2017 (2016 -2017)	38	106 + 11		IEEE, ELSEVIER AICTE Science Direct, J – Gate Engineering & Technology, ASCE, ASME, DELNET – IESTCE, DELNET Annual Institutional Membership, GIST – e Books (Freely Downloaded)
2016 (2015 -2016)	34	105 + 11		IEEE, ELSEVIER AICTE Science Direct, J – Gate Engineering & Technology, ASCE, INFLIBNET – NLIST, DELNET – IESTCE, DELNET Annual Institutional Membership, GIST – e Books (Freely Downloaded)

E – Resources Subscribed for the Six Five Years

Year	E – Journals	Amount (Rs.)
2021 (2020 – 2021)	IEEE (Ebsco) (188)	5,36,659:00
	ELSEVIER Engineering and CS., (GIST) (275)	7,20,416:00
	ASCE (GIST) (38)	2,84,493:00
	ASME (GIST) (33)	2,36,779:00
	J-Gate Science and Technology (17985)	73,660:00
	DELNET – IESTC(2233)	71,390:00
	Total (20752)	19,23,397:00
2020 (2019 -2020)	IEEE (Ebsco) (188)	5,20,252:00
	ELSEVIER AICTE Science Direct (GIST) (275)	7,06,841:00
	ASCE (GIST) (38)	2,72,538:00
	ASME (GIST) (32)	2,26,802:00
	J-Gate Science and Technology (17985)	72,216:00
	DELNET – IESTC(2233)	71,390:00
	Total (20751)	18,70,039:00
2019 (2018 -2019)	IEEE (Ebsco) (505)	7,56,474:00
	ELSEVIER AICTE Science Direct (GIST) (275)	6,92,398:00
	ASCE (GIST) (37)	2,76,115:00
	ASME (GIST) (30)	2,29,819:00
	J-Gate Science and Technology (17985)	72,216:00
	DELNET – IESTC(2233)	71,390:00
	Total (21065)	20,98,412:00
2018 (2017 -2018)	IEEE (169)	5,48,704:00
	ASCE (36)	2,74,527:00
	ASME (28)	2,28,483:00
	2017 E – Journals : IEEE,ASCE,ASME Service Tax	1,36,939:00
	ELSEVIER AICTE Science Direct (275)	6,92,412:00
	J – Gate Engineering & Technology(4244)	70,800:00
	DELNET – IESTC	
	Total (4752)	19,51,865:00
2017 (2016 -2017)	IEEE	4,70,580:00
	ASCE	2,41,422:00
	ASME	2,00,923:00
	Service Tax for the above E- Journals paid in 2018	
	ELSEVIER AICTE Science Direct	6,82,854:00
	J – Gate Engineering & Technology	69,000:00
	DELNET – IESTC	55,000:00
	Total	17,19,779:00
2016 (2015 -2016)	IEEE	4,45,607:00
	ASCE	2,28,653:00
	ELSEVIER AICTE Science Direct	5,62,308:00
	J – Gate Engineering & Technology	68,400:00
	DELNET – IESTC	55,000:00
	Total	13,59,968:00

List of Library Staff, Qualifications & Designations:

Sl. No.	Name of the Staff	Designation
1.	M.V.Sekhar, M.A. M.LIS., M.Phil. LMISTE, LMILA.	Asst.Librarian
2.	N.Tanuja M.A., M.Lisc.	Asst.Librarian
3.	G.Neelima M.A., M.Lisc.	Asst.Librarian
4.	V.Venkateswara Rao M.A, M.Lisc.	Office Assistant
5.	A.Suresh B.A.	Record.Asst.
6.	J.Kotaiah	Attender

PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY, KANURU, VIJAYAWADA

DEPARTMENT OF CIVIL ENGINEERING

Academic Audit Report (2019-20)

Date of audit:
05/12/2020

1. Name of Department: **Civil Engineering**
2. No. of full time permanent faculty: (2 -Professors , 1- Assoc professors , 10-Assistant professors)
3. No. of part time Visiting/temporary contractual faculty: **NIL**
4. No. of PG / UG courses: **1-B.Tech**
5. Curriculum Revisions Info: The curriculum is revised as per PVP-19 regulation.
6. Research:
 - Publications:
 - International Journals: **19**
 - National Journals: **Nil**
 - National Conferences: **Nil**
 - International Conference: **Nil**
 - Ph.D.
 - Theses Submitted: **Nil**
 - Awarded: **Nil**
 - Number of Conferences/Lectures Organized: **7**
 - Guiding: / guided Ph.Ds: **5**
7. Sponsored projects& amount:
 - Applied: **3**
 - Ongoing: **1**
 - Completed: **Nil**
8. No. of Department Library Printed Books:106
 - Web-resources CDs added : **32**
 - E-Books Added: **-**
 - Journals: **20**
9. No. of Faculty using ICT and PPTs: **12**
10. New Equipment and Infrastructure added:
 - Concrete Mixer in Concrete Technology Lab
 - Sound Level Meter in Transportation Engineering Lab
 - Electronic TS-500 Digital scale 25k capacity balance (2Nos) in Surveying Lab
 - Laboratory Oven, Sand Pouring Cylinder and Core cutter in Geotechnical Engineering Lab

Budget utilized for equipment and infrastructure during 2019-20: 9.284 Lakhs
11. Student feedback on Curriculum: **Yes**
12. Result Analysis

B.TECH I YEAR - I SEMESTER

Subject Code	Subject Name	Type	Registered	Passed	Pass %
19HS1101	Communicative English - I	Theory	46	46	100
19BS1101	Engineering Mathematics – I (Calculus & Algebra)	Theory	46	27	58.7
19BS1102	Chemistry of Materials	Theory	46	37	80.43
19ES1101	Problem Solving & Programming	Theory	46	28	60.87
19HS1151	Communicative English – I Lab	Practical	46	46	100
19BS1151	Chemistry of Materials Lab	Practical	46	46	100
19ES1152	Problem Solving & Programming Lab	Practical	46	46	100
19ES1153	Basic Workshop	Practical	46	46	100
Total			46	22	47.83

B.TECH I YEAR - II SEMESTER

Subject Code	Subject Name	Type	Registered	Passed	Pass %
19HS1201	Communicative English II	Theory	46	46	100
19BS1201	Engineering Mathematics II (ODE,PDE and Multivariable Calculus)	Theory	46	18	39.13
19BS1204	Applied Physics	Theory	46	39	84.78
19ES1201	Basic Electrical and Electronics Engineering	Theory	46	28	60.87
19ES1203	Engineering Graphics	Theory	46	35	76.09
19HS1251	Communicative English II Lab	Practical	45	45	100
19BS1253	Engineering Physics Lab	Practical	46	46	100
19ES1251	Basic Electrical and Electronics Engineering Lab	Practical	46	46	100
19CS3251	Civil Engineering Workshop	Practical	46	46	100
Total			46	16	34.78

B.TECH II YEAR - I SEMESTER

Subject Code	Subject Name	Type	Registered	Passed	Pass %
CE3T1	Mathematical Methods	Theory	65	55	84.62
CE3T2	Building Materials and Construction	Theory	65	62	95.38
CE3T3	Mechanics of Solids-I	Theory	65	47	72.31
CE3T4	Engineering Geology	Theory	65	65	100
CE3T5	Surveying	Theory	65	57	87.69
CE3T6	Fluid Mechanics	Theory	65	39	60
CE3L1	Surveying Field work	Practical	65	65	100
CE3L2	Engineering Geology Lab	Practical	65	65	100
CE3L3	Computer Aided Drawing	Practical	65	65	100
Total			65	36	55.38

B.TECH II YEAR - II SEMESTER

Subject Code	Subject Name	Type	Registered	Passed	Pass %
CE4T1	Concrete Technology	Theory	65	59	90.77
CE4T2	Geotechnical Engineering-I	Theory	65	45	69.23
CE4T3	Mechanics of Solids-II	Theory	65	49	75.38
CE4T4	Hydraulics and Hydraulic Machinery	Theory	65	51	78.46
CE4T5	Building Planning and Drawing	Theory	65	63	96.92
CE4T6	Structural Analysis – I	Theory	65	56	86.15
CE4L1	Fluid Mechanics and Hydraulic Machines Lab	Practical	65	64	98.46
CE4L2	Material Testing Lab	Practical	65	64	98.46
CE4L3	Surveying Field Work	Practical	65	64	98.46
Total			65	39	60

B.TECH III YEAR - I SEMESTER

Subject Code	Subject Name	Type	Registered	Passed	Pass %
CE5T1	Design and Drawing of Concrete Structures - I	Theory	63	48	76.19
CE5T2	Environmental Engineering-I	Theory	63	62	98.41
CE5T3	Water Resources Engineering-I	Theory	63	45	71.43
CE5T4	Structural Analysis – II	Theory	63	46	73.02
CE5T5	Transportation Engineering-I	Theory	63	63	100
CE5T6	Geotechnical Engineering – II	Theory	63	44	69.84
CE5L1	Geotechnical Engineering Lab	Practical	63	63	100
CE5L2	Concrete Technology Lab	Practical	63	61	96.83
Total			63	34	53.97

B.TECH III YEAR - II SEMESTER

Subject Code	Subject Name	Type	Registered	Passed	Pass %
CE6T1	Design and Drawing of Concrete Structures - II	Theory	61	52	85.25
CE6T2	Design and Drawing of Steel Structures	Theory	61	52	85.25
CE6T3	Water Resources Engineering –II	Theory	61	51	83.67
CE6T4	Environmental Engineering-II	Theory	61	59	96.72
CE6T5	Transportation Engineering – II	Theory	61	60	98.36
CE6T6FE-A	Industrial Engineering & Entrepreneurship	Theory	61	60	98.36
CE6L1	Transportation Engineering Lab	Practical	61	61	100
CE6L2	Computer Aided Building Drawing	Practical	61	61	100
Total			61	47	77.05

B.TECH IV YEAR - I SEMESTER

Subject Code	Subject Name	Type	Registered	Passed	Pass %
CE7T1	Advanced Structural Engineering	Theory	61	61	100
CE7T2	Remote Sensing and GIS Applications	Theory	61	58	95.08
CE7T3	Estimation and Costing	Theory	61	60	98.36
CE7T4C	Traffic Engineering	Theory	61	61	100
CE7T5B	Ground Improvement Techniques	Theory	61	61	100
CE7T5E	Green Buildings	Theory	61	61	100
CE7L1	CCAD and GIS Lab	Practical	61	61	100
CE7L2	Environmental Engineering Lab	Practical	61	61	100
CE7L3	Industrial Training / Mini Project	Practical	61	61	100
Total			61	58	95.08

B.TECH IV YEAR - II SEMESTER

Subject Code	Subject Name	Type	Registered	Passed	Pass %
CE8T1	Construction Technology and Project Management	Theory	61	61	100
CE8T2	Engineering Economics and Project Appraisal	Theory	61	60	98.36
CE8T3B	Environmental Impact Assessment	Theory	61	61	100
CE8T4C	Watershed Management	Theory	61	53	86.89
CE8L1	Major Project	Practical	61	61	100
Total			61	53	86.89

13. Strengths:

- Feedback mechanism is ok
- Improvement in Research activities is observed
- MOU's are good
- Faculty interaction with outside world is good
- Improvement in Results due to remedial classes
- Career guidance need to be conducted

14. Weaknesses:

- Three professional Society memberships and student chapter activities
- Incubation lab activities need to be conducted
- Capability and enhancement programmes need to be conducted

15. Suggestions for improvement:

- Consultancy is 1.09 lakhs
- High packages placements have to be improved

K.V. Subrah

Sig. of Departmental Coordinator

J. Rajeswar

Sig. of Academic Auditor 1. (Internal)

HP
Sanku

2. (Internal)

(M.S.R. Niranjan Kumar)

3. P. Adi Lakshmi

K. Ramulu
16/12/2020

Sig. of HOD

HEAD

Dept. of Civil Engineering
PRASAD V. POTLURI

M. S. R. Niranjan Kumar
Sig. of IQAC Coordinator

Academic Audit Report

1. Name of Department: **Computer Science & Engineering**
2. No. of full time permanent faculty: **34**(5-Professors , 2- Assoc professors , 27 -Assistant professors)
3. No. of part time Visiting/temporary contractual faculty: **NIL**
4. No. of PG / UG courses: **1-B.Tech & 1-M.Tech**
5. Curriculum Revisions Info: The curriculum is revised as per PVP-19 regulation.
6. Research:
 - Publications:
 - International Journals: **12+3** (faculty of PVPSIT but with other college affiliation)
 - National Journals: Nil
 - National Conferences: Nil
 - International Conference: **2**
 - Ph.D.
 - Theses Submitted: **Nil**
 - Awarded: **04**
 - Number of Conferences/Lectures Organized: **00/12** (FDP/STTPs – 2,workshops :7,
Guest Lectures/Seminars:3)
 - Guiding: **04/** guided Ph.Ds: **Nil**
7. Sponsored projects& amount: : Rs.10,90,666/-
 - Applied: **11** (2 internal + 9 external)
 - Ongoing: **7**(5 internal + 2 external)
 - Completed:**3** (1 internal + 2 external)
8. No. of Department Library Printed Books: **785**
 - Web-resources CDs added : Nil
 - e-Books Added: Nil
 - Journals: Nil
9. No. of Faculty using ICT and PPTs: **34**
10. New Equipment and Infrastructure added: Rs.20,59,077/- (List enclosed)
11. Student feedback on Curriculum: **Yes**

12.Result Analysis

I-I

Subject Code	Subject	TYPE	Registered	Passed	Pass Percentage %
19HS1101	COMMUNICATIVE ENGLISH I	THEORY	193	193	100
19BS1101	ENGINEERING MATHEMATICS I (CALCULUS AND ALGEBRA)	THEORY	193	172	89.12
19BS1103	ENGINEERING CHEMISTRY	THEORY	193	190	98.45
19ES1102	PROBLEM SOLVING AND PROGRAMMING	THEORY	193	178	92.23
19HS1151	COMMUNICATIVE ENGLISH I LAB	THEORY	193	193	100
19HS1152	ENGINEERING CHEMISTRY LAB	PRACTICAL	193	193	100
19ES1152	PROBLEM SOLVING AND PROGRAMMING LAB	PRACTICAL	193	193	100
19ES1153	BASIC WORKSHOP	PRACTICAL	193	193	100
TOTAL:			193	162	83.94

I--II

Subject Code	Subject	TYPE	Registered	Passed	Pass Percentage %
19HS1201	COMMUNICATIVE ENGLISH II	THEORY	193	193	100
19BS1202	ENGINEERING MATHEMATICS II	THEORY	193	184	95.34
19BS1205	ENGINEERING PHYSICS	THEORY	193	186	96.37
19ES1201	BASIC ELECTRICAL AND ELECTRONICS ENGG.	THEORY	193	180	93.26
19ES1203	ENGINEERING GRAPHICS	THEORY	193	183	94.82
19HS1251	COMMUNICATIVE ENGLISH II LAB	PRACTICAL	193	193	100
19BS1253	ENGINEERING PHYSICS LAB	PRACTICAL	193	193	100
19ES1251	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LAB	PRACTICAL	193	193	100
19CS3251	INFORMATION TECHNOLOGY WORKSHOP	PRACTICAL	193	193	100
19MC1251A	NCC	PRACTICAL	4	4	100
19MC1251B	NSS	PRACTICAL	42	42	100
19MC1251C	SPORTS	PRACTICAL	80	79	98.75

19MC1251D	YOGA	PRACTICAL	25	25	100
19MC1251F	HOBBY ELECTRONICS	PRACTICAL	4	4	100
19MC1251G	GROUP DISCUSSION	PRACTICAL	39	39	100
TOTAL:			193	171	88.6

II-I

Subject Code	Subject	TYPE	Registered	Passed	Pass Percentage %
CS3T1	DISCRETE MATHEMATICS	THEORY	132	132	100
CS3T2	DATA STRUCTURES	THEORY	132	130	98.48
CS3T3	PROGRAM DESIGN	THEORY	132	130	98.48
CS3T4	FORMAL LANGUAGES AND AUTOMATA THEORY	THEORY	132	124	93.94
CS3T5	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	THEORY	132	128	96.97
CS3L1	DATA STRUCTURES LAB	PRACTICAL	132	132	100
CS3L2	ADVANCED C PROGRAMMING LAB	PRACTICAL	132	132	100
CS3L3	JAVA LAB	PRACTICAL	132	132	100
CS3L4	TECHNICAL ENGLISH	PRACTICAL	132	132	100
TOTAL:			132	121	91.67

II-II

SUBJECT CODE	Subject	TYPE	No. of students Appeared	No. of students Passed	Pass Percentage %
CS4T1	COMPILER DESIGN	THEORY	132	126	95.45
CS4T2	DESIGN ANALYSIS AND ALGORITHMS	THEORY	132	127	96.21
CS4T3	FILE STRUCTURES	THEORY	132	131	99.24
CS4T4	PRINCIPLES OF PROGRAMMING LANGUAGES	THEORY	132	131	99.24
CS4T5	COMPUTER ORGANIZATION	THEORY	132	131	99.24
CS4L1	COMPILER DESIGN LAB	PRACTICAL	132	132	100
CS4L2	FILE STRUCTURES LAB	PRACTICAL	132	132	100

CS4L3	COMPUTER ORGANIZATION LAB	PRACTICAL	132	132	100
CS4L4	PERSONALITY DEVELOPMENT COURSE	PRACTICAL	132	132	100
TOTAL			132	124	93.94

III-I

Subject Code	Subject	TYPE	Registered	Passed	Pass Percentage %
CS5T1	DATABASE MANAGEMENT SYSTEMS	THEORY	132	120	90.91
CS5T2	MICROPROCESSOR AND INTERFACING	THEORY	132	105	79.55
CS5T3	COMPUTER NETWORKS	THEORY	132	127	96.21
CS5T4	SOFT COMPUTING	THEORY	132	124	93.94
CS5T5	OPERATING SYSTEMS	THEORY	132	131	99.24
CS5L1	DATABASE MANAGEMENT SYSTEMS LAB	PRACTICAL	132	132	100
CS5L2	MICROPROCESSOR AND INTERFACING LAB V	PRACTICAL	132	132	100
CS5L3	COMPUTER NETWORKS AND OPERATING SYSTEMS LAB	PRACTICAL	132	132	100
CS5L4	FREE OPEN SOURCE SOFTWARE TOOLS	PRACTICAL	132	132	100
TOTAL:			132	101	76.52

III-II

Subject Code	Subject	TYPE	Registered	Passed	Pass Percentage %
CS6T1	ADVANCED JAVA AND WEB TECHNOLOGIES	THEORY	132	132	100
CS6T2	DESIGN PATTERNS	THEORY	132	127	96.21
CS6T3	COMPUTER GRAPHICS	THEORY	132	124	93.94
CS6T4	DATA WAREHOUSING AND DATA MINING	THEORY	132	125	94.7
CS6T5FE-A	AIR POLLUTION AND CONTROL.	THEORY	123	121	98.37
CS6T5FE-F	MICROCONTROLLERS	THEORY	1	1	100
CS6T5FE-G	DIGITAL IMAGE PROCESSING	THEORY	8	8	100
CS6L1	ADVANCED JAVA AND WEB TECHNOLOGIES LAB	PRACTICAL	132	132	100

CS6L2	UML AND DESIGN PATTERNS LAB	PRACTICAL	132	132	100
CS6L3	COMPUTER GRAPHICS LAB	PRACTICAL	132	132	100
CS6L4	SOFT SKILLS COURSE	PRACTICAL	132	132	100
CS6L5	SEMINAR	PRACTICAL	132	132	100
TOTAL:			132	119	90.15

IV-I

Subject Code	Subject	TYPE	Registered	Passed	Pass Percentage %
CS7T1	BIG DATA CONCEPTS	THEORY	132	121	91.67
CS7T2	MOBILE APPLICATION DEVELOPMENT	THEORY	132	132	100
CS7T3	INFORMATION SECURITY	THEORY	132	131	99.24
CS7T4A	ELECTIVE-I CLOUD COMPUTING	THEORY	18	18	100
CS7T4B	ELECTIVE-I ADVANCED DATABASES	THEORY	114	110	96.49
CS7T5A	ELECTIVE-II SOFTWARE ENGINEERING	THEORY	132	129	97.73
CS7L1	DATA ANALYTICS LAB	PRACTICAL	132	132	100
CS7L2	MOBILE APPLICATION DEVELOPMENT LAB	PRACTICAL	132	132	100
CS7L3	INFORMATION SECURITY LAB	PRACTICAL	132	132	100
CS7L4	MINI PROJECT	PRACTICAL	132	132	100
CS7L5	SEMINAR	PRACTICAL	132	132	100
TOTAL:			132	108	89.39

IV-II

Subject Code	Subject	TYPE	Registered	Passed	Pass Percentage %
CS8T1	MEFA	THEORY	132	131	99.24
CS8T2A	E-COMMERCE	THEORY	88	87	98.86
CS8T2D	SCRIPTING LANGUAGES	THEORY	44	44	100
CS8T3A	HUMAN COMPUTER INTERACTION	THEORY	132	131	99.24
CS8PW	MAIN PROJECT	PRACTICAL	132	132	100
TOTAL:			132	129	97.73

13. Strengths:

1. Faculty retention is good
2. Overall performance is good

14. Weaknesses:

1. Number of placements with high package to be improved
2. Consultancy needs to be improved
3. Quality publications need to be improved
4. Funding R&D projects need to be improved

15. Suggestions for improvement:

1. Company Specific training has to be improved

Sig. of Departmental Coordinator

1. 

2. D. Srujan Kumar

Sig. of Academic Auditor

1. (Internal)

2. (Internal)

(M.S.R. Niranjan Kumar)

3. P. Adi Lakshmi

Sig. of HOD

HEAD

Department of
Computer Science & Engineering
PVP Siddhartha Institute of Technology
Kanuru, Vijayawada - 520 007.

Sig. of IQAC Coordinator

PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Audit Report A.Y:2019-2020

1. Name of Department: **Electronics and Communication Engineering**
2. No. of full time permanent faculty: **28**
No. of Professors: 3 No. of Associate Professors: 7 No. of Assistant Professors: 18
3. No. of part time Visiting/temporary contractual faculty: **NIL**
4. No. of PG / UG courses: **M.Tech (MW&CE) & B.Tech**
5. Curriculum Revisions Info: **PVP-19 curriculum implemented from A.Y 2019-2020**
6. Research:
 Scopus, Sci Publications: Scopus:08, Sci:01
 Other Journals: 17
 National Conferences: ---
 International Conference: 09
 Book Chapters: 06
 Ph.D. Theses Submitted: **NIL**
 Ph.D. Theses Submitted Awarded: **NIL**
 Number of Conferences Organized: **NIL**
Guest Lectures-06
 Guiding / Guided PhDs: **Guided: 01 Guiding: 05**
7. Sponsored projects& amount:
 Applied: 04
 Ongoing: **NIL**
 Completed: 02
8. No. of Department Library Printed Books Added:
 Web-resources CDs added --**NIL**
 E-Books Added: -- **NIL**
 Journals --- **NIL**
9. No. of Faculty using ICT and PPTs: **28**
10. New Equipment and Infrastructure added: **Equipment worth Rs.15,36,931/- added**
11. Student feedback on Curriculum: **Yes or No ----Yes**
12. Results:

I/IV B. Tech. - First Semester

Subject Code	Subject	Details			%
		Type	Registered	Passed	
19HS1101	CommunicativeEnglish -I	Theory	127	127	100
19BS1101	Engineering Mathematics – I	Theory	127	117	92.13
19BS1104	Engineering Physics	Theory	127	122	96.06
19ES1101	Basic electrical and electronics engineering	Theory	127	123	96.85
19ES 1103	Engineering graphics	Theory	127	124	97.64
19HS1151	Communicative English lab	Practical	127	127	100
19BS1153	Engineering Physics Lab	Practical	127	127	100
19ES1151	Basic electrical and electronics engineering	Practical	127	127	100
Total			127	114	89.76

I/IV B. Tech. - Second Semester

I/IV B. Tech. - Second Semester

Subject Code	Subject	Details			%
		Type	Registered	Passed	
19HS1201	Communicative English -II	Theory	126	125	99.21
19BS1201	Engineering Mathematics – II	Theory	126	116	92.06
19BS1203	Engineering Chemistry	Theory	126	122	96.83
19ES1202	Problem solving and programming	Theory	126	116	92.06
19HS1251	Communicative English –II lab	Theory	126	126	100
19BS1251	Engineering Chemistry lab	Theory	126	126	100
19ES1252	Problem solving and programming lab	Practical	126	126	100
19ES1253	Basic Workshop	Practical	126	126	100
19EC3251	Electronics Workshop	Practical	126	125	95.20
Total			126	109	86.51

II/IV B. Tech. - First Semester

Subject Code	Subject	Details			%
		Type	Registered	Passed	
EC 3T1	Engineering Mathematics-III	Theory	126	125	99.21
EC 3T2	Probability Theory and Stochastic Process	Theory	126	114	90.48
EC 3T3	Signals and Systems	Theory	126	116	92.06
EC 3T4	Network Analysis and Synthesis	Theory	126	113	89.68
EC 3T5	Electrical Technology	Theory	126	122	96.83
EC 3T6	Switching Theory and Logic Design	Theory	126	112	88.89
EC 3L1	Basic Simulation Lab	Practical	126	126	100
EC 3L2	Networks and Electrical Technology Lab	Practical	126	126	100
Total			126	100	79.37

II/IV B. Tech. - Second Semester

Subject Code	Subject	Details			%
		Type	Registered	Passed	
EC 4T1	Control Systems	Theory	127	122	96.06
EC 4T2	Pulse and Digital Circuits	Theory	127	122	96.06
EC 4T3	Analog Electronic Circuits	Theory	127	118	92.91
EC 4T4	Electromagnetic Fields and Waves	Theory	127	115	90.55
EC 4T5	Analog Communications	Theory	127	123	96.85
EC 4L1	Analog Communications Lab	Practical	127	127	100
EC 4L2	Analog Electronic Circuits Lab	Practical	127	127	100
EC 4L3	Pulse and Digital Circuits Lab	Practical	127	127	100
Total			127	107	84.25

III/IV B. Tech. - First Semester

Subject Code	Subject	Details			%
		Type	Registered	Passed	
EC5T1	Linear Integrated Circuits	Theory	138	132	96.65
EC 5T2	Transmission Lines and Wave Guides	Theory	138	118	85.51
EC 5T3	Computer-Architecture and Organization	Theory	138	135	97.83
EC 5T4	Antenna and Wave Propagation	Theory	138	121	87.68
EC 5T5	Digital IC Applications	Theory	138	130	94.2
EC5T6	Digital Signal Processing	Theory	138	131	94.93
EC 5L1	Linear IC Applications Lab	Practical	138	137	99.28
EC 5L2	Digital IC Applications Lab	Practical	138	138	100
EC5L3	Seminar		138	138	100
Total			138	108	78.26

III/IV B. Tech. - Second Semester

Subject Code	Subject	Details			%
		Type	Registered	Passed	
EC 6T1	VLSI Design	Theory	138	137	99.28
EC 6T2	Microprocessors and Microcontrollers	Theory	138	135	97.83
EC 6T3	Microwave Engineering	Theory	138	135	97.83
EC 6T4	Digital Communications	Theory	138	118	85.51
EC 6T5	Computer Networks	Theory	138	138	100
EC 6T6FEB	Air pollution and control	Theory	2	2	100
EC6T6FED	OOPS through JAVA	Theory	124	121	97.58
EC6T6FE-H	Renewable energy sources	Theory	12	12	100
EC 6L1	Digital Communications Lab	Practical	138	138	100
EC 6L2	Microprocessors and Microcontrollers Lab	Practical	138	138	100
EC 6L3	OOPS Lab	Practical	138	138	100
Total			138	117	84.78

IV/IV B. Tech. - First Semester

Subject Code	Subject	Details			%
		Type	Registered	Passed	
EC 7T1	Optical Communications	Theory	139	133	95.68
EC 7T2	Digital Image Processing	Theory	139	123	88.49
EC 7T3	Cellular and Mobile Communications	Theory	139	135	97.12
EC7T4A	Embedded and Real Time Systems	Theory	96	96	100
EC7T4D	Bio – Medical Instrumentation	Theory	43	42	97.67
EC7T5A	Wireless Communications and Networks	Theory	80.	77	96.5
EC7T5C	Radar Systems	Theory	59	56	64.92
EC 7T6	Managerial Economics and Financial Analysis	Theory	139	139	100
EC 7L1	Microwave Engineering and Optical Communications Lab	Practical	139	139	100
EC 7L2	Digital Signal Processing Lab	Practical	139	139	100
EC 7L3	Mini Project	Practical	139	139	100
Total			139	120	86.33

IV/IV B. Tech. - Second Semester

Subject Code	Subject	Details			%
		Type	Registered	Passed	
EC 8T1	TV and Satellite Communications	Theory	139	139	100
EC8T2D	GPS	Theory	139	136	97.84
EC8T3B	Industrial management & entrepreneurship	Theory	71	71	100
EC 8T3C	Management science	Theory	68	68	100
EC8PW	Project work	Practical	139	139	100
Total			139	136	97.84

13. Strengths:

1. Faculty Student ratio and cadre ratio is good.
2. Student Activities and industry internships are good.
3. Teaching – Learning process and faculty retention are good.
4. Labs are updated with latest technologies.
5. All the faculty are using ICT

14. Weaknesses:

1. Faculty interaction with industry can be improved.
2. External R&D sponsored projects, consultancy work can be improved.
3. Career counselling and competitive exams can be improved.

15. Suggestions for improvement:

1. Faculty should focus on more research publications in Scopus and SCI.
2. Placements in core companies need to be improved.
3. Number of Faculty patents can be improved.
4. Number of MOU's can be increased.
5. Encourage Incubation and Entrepreneurship

Signature of Departmental Coordinator :

Sig. of Academic Auditor, 1. (Internal) :

2. (Internal) :

P. Karan
Signature of HOD

Signature of IQAC Coordinator

4/11/2020

Academic Audit Report

1. Name of Department: **Electrical and Electronics Engineering**
2. No. of full time permanent faculty: **28**(3-Professors , 5- Assoc professors , 20 -Assistant professors)
3. No. of part time Visiting/temporary contractual faculty: **NIL**
4. No. of PG / UG courses: **1-B.Tech & 1-M.Tech**
5. Curriculum Revisions Info: The curriculum is revised as per PVP-19 regulation.
6. Research:
 - Publications:
 - International Journals:**67 [24(SCI+Scopus) + 43(Other journals)]**
 - National Journals: **Nil**
 - National Conferences: **Nil**
 - International Conference: **10**
 - Ph.D.
 - Theses Submitted: **01**
 - Awarded: **01**
 - Number of Conferences/Lectures Organized: **--/04-Guest lectures.**
- 03- Training Programs.**

 - Guiding Ph.D Scholars : **12** / guided Ph.Ds: **1**
7. Sponsored projects& amount: Rs 2,25,000/-
 - Applied: **5** (1AICTE /1 SERB/ 3 Seed money)
 - Ongoing: **3**
 - Completed: **Nil**
 - Grant received under AICTE -MODROB Scheme : Rs 13,00,000/-
8. No. of Department Library Printed Books: No of Titles: 326
No of Voulmes:371
 - Web-resources CDs added:
 - e-Books Added: **Nil**
 - Journals: e-journals : 5
 - National journals : 8
9. No. of Faculty using ICT and PPTs : **28**
10. New Equipment and Infrastructure added: (Rs 15,70,685/-)
 1. SCADA Based Generator Protection Simulation Experimental Unit
 2. Designed to Study the Working principle of ACB and to test the ACB under over current Fault and Earth Fault Conditions.
 3. DSA Educational suite – Single User
 4. Digital Storage Oscilloscope.
 5. 8086/8051 Trainer kits.
 6. Vertiv (Emerson) 20kVA Liebert-S600D UPS System.
 7. MATLAB Tool Box -5 users; Sim scape (10 users); Sim scape Electrical (10 users);
 8. Systems with I5 configuration : 12 Nos
 9. Revolving chairs :50
11. Student feedback on Curriculum: **Yes**

12.Result Analysis

I-I

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
19HS1101	Communicative English I	THEORY	110	108	98.18%
19BS1101	Engineering Mathematics I (Calculus and Algebra)	THEORY	110	89	80.91%
19BS1104	Engineering Physics	THEORY	110	95	86.36%
19ES1101	Basic Electrical and Electronics Engineering	THEORY	110	104	94.55%
19ES1103	Engineering Graphics	THEORY	110	94	85.45%
19HS1151	Communicative English I Lab	PRACTICAL	110	110	100%
19BS1153	Engineering Physics Lab	PRACTICAL	110	110	100%
19ES1151	Basic Electrical and Electronics Engineering Lab	PRACTICAL	110	109	99.09%
TOTAL			110	80	72.73%

II-I

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
EE3T1	Numerical Methods and Differential Equations	THEORY	129	124	96.12%
EE3T2	Electrical Machines – I	THEORY	129	98	75.97%
EE3T3	Thermal and Hydro Prime Movers	THEORY	129	129	100%
EE3T4	Electrical Circuit Analysis-II	THEORY	129	108	83.72%
EE3T5	Electromagnetic Fields	THEORY	129	117	90.69%
EE3T6	Switching Theory and Logic Design	THEORY	129	102	79.06%
EE3L1	Electrical Circuits lab	PRACTICAL	129	129	100%
EE3L2	EDC Lab	PRACTICAL	129	128	99.22%
TOTAL			129	83	64.34%

III-I

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
EE5T1	Industrial Organization and Engineering Economics	THEORY	138	133	96.38%
EE5T2	Electrical Machines – III	THEORY	138	117	84.78%
EE5T3	Utilization of Electrical Energy	THEORY	138	134	97.10%
EE5T4	Power Electronics	THEORY	138	113	81.88%
EE5T5	Transmission and Distribution	THEORY	138	125	90.58%
EE5T6	Linear and Digital Integrated Circuit Applications	THEORY	138	120	86.96%
EE5L1	Electrical Machines Lab-II	PRACTICAL	138	138	100%
EE5L2	LDIC Lab	PRACTICAL	138	138	100%
EE5L3	Control Systems Lab	PRACTICAL	138	138	100%
TOTAL			138	99	71.74%

III-II

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
EE6T1	Digital Signal Processing	THEORY	135	105	77.77%
EE6T2	Electrical Machine Design	THEORY	135	122	90.37%
EE6T3	Microcontrollers and Applications	THEORY	135	118	87.41%
EE6T4	Power Semiconductor Drives	THEORY	135	119	88.15%
EE6T5	Power System Analysis	THEORY	135	124	91.85%
EE6T6FE-A	Air Pollution and Control	THEORY	48	46	95.83%
EE6T6FE-C	Oops Through JAVA	THEORY	19	17	89.47%
EE6T6FE-E	Introduction to MATLAB	THEORY	41	39	95.12%
EE6T6FE-G	DBMS	THEORY	17	17	100%
EE6T6FE-I	Industrial Engg.,& Entrepreneurship	THEORY	3	3	100%
EE6T6FE-J	Digital Image Processing	THEORY	7	7	100%
EE6L1	EM Lab – III	PRACTICAL	135	135	100%
EE6L2	PE&D Lab	PRACTICAL	135	135	100%
TOTAL			135	97	71.85%

IV-I

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
EE7T1	Power System Operation and Control	THEORY	127	123	96.85%
EE7T2	HVDC Transmission	THEORY	127	125	98.43%
EE7T3	Switchgear and Protection & Carrier Communication	THEORY	127	120	94.49%
EE7T4	Flexible AC Transmission Systems	THEORY	127	122	96.06%
EE7T5C	Database Management Systems	THEORY	127	124	97.64%
EE7T6A	Electrical Distribution Systems	THEORY	127	125	98.43%
EE7L1	Microcontrollers Lab	PRACTICAL	127	127	100%
EE7L2	Electrical Power Systems Lab	PRACTICAL	127	127	100%
EE7L3	Electrical Simulation Lab	PRACTICAL	127	127	100%
TOTAL			127	113	88.98%

IV-II

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
EE8T1	Renewable Sources of Energy	THEORY	126	122	96.83%
EE8T2C	Smart Grid	THEORY	126	125	99.21%
EE8T3B	Real Time Control of Power Systems	THEORY	126	125	99.21%
EE8T4	Project Work	PROJECT WORK	126	126	100%
TOTAL			126	120	95.24%

13. Strengths:


- Compared to last Academic Year research activities have improved.
- Skill enhancement activities have been improved.
- Outreach activities through ISTE and Department are conducted

14. Weaknesses :


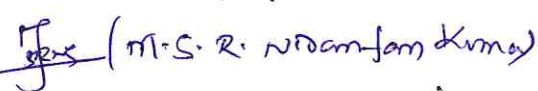

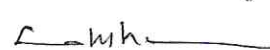
- Need to create an environment so that consultancy can be carried out.
- More number of students need to be qualified for GATE / GRE
- No incubation activities found

15. Suggestions for improvement:

- Need to focus on improvement of academic performance.
- Mou's and industry linkages can be improved


(Dr. N Vijaya Anand)
IQAC Coordinator
Dept. EEE

Internal Academic Auditors

1. 
2.  (M.S.R. Nandanam Kumar)
3. 
4. P. Adi 


(Dr. M Venu Gopala Rao)
HOD-EEE


(Dr. S Madhavi)
IQAC Coordinator 5/11/2020

P V P SIDDHARATHA INSTITUTE OF TECHNOLOGY, KANURU
DEPARTMENT OF INFORMATION TECHNOLOGY

29.12.2020

Internal Academic Audit Report-2019-20

1. Name of Department: **Information Technology**
2. No. of full time permanent faculty: **23(3-Professors , 1- Assoc professors , 19 -Assistant professors)**
3. No. of part time Visiting/temporary contractual faculty: **NIL**
4. No. of PG / UG courses: **1-B.Tech**
5. Curriculum Revisions Info: Revised Curriculum PVP19 as per Outcome Based Education
6. Research
 - Publications:
 - International Journals: 33 Scopus-9 , UGC-4,Others-20
 - National Journals: NIL
 - National Conferences: NIL
 - International Conference: NIL
 - Ph.D.
 - Theses Submitted: 01
 - Awarded: 05
 - Number of Conferences/Lectures Organized: 11
 - Guiding / guided PhD's: 01
7. Sponsored projects& Amount Applied: 4 and 2(external funding)
 - Ongoing: 4
 - Completed: NIL
8. No. of Department Library Printed Books Added: Nil
 - Web-resources CDs added: 0
 - e-Books Added: 2 Journals : 1
9. No. of Faculty using ICT and PPTs: 23
10. New Equipment and Infrastructure added: Rs.2,74,702/- utilized for infrastructure
11. Student feedback on Curriculum: **Yes**
12. Result Analysis 2019-20:

	Semester 1	Semester 2
I	81.25%	80.47
II	90.37 %	84.4%
III	96.46 %	98.23 %
IV	94.59 %	100 %
Over all Pass %		98.19%

I/IV B. Tech – First Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
19HS1101	Communicative English I	THEORY	128	128	100
19BS1101	Engineering Mathematics I (Calculus and Algebra)	THEORY	128	114	89.06
19BS1104	Engineering Physics	THEORY	128	125	97.66
19ES1101	Basic Electrical and Electronics Engineering	THEORY	128	120	93.75
19ES1103	Engineering Graphics	THEORY	128	119	92.97
19HS1151	Communicative English I Lab	THEORY	128	128	100
19BS1153	Engineering Physics Lab	PRACTICAL	128	128	100
19ES1151	Basic Electrical and Electronics Engineering Lab	PRACTICAL	128	128	100
19IT3151	Information Technology Workshop	PRACTICAL	128	128	100
TOTAL			128	104	81.25

I/IV B. Tech - Second Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
19HS1201	Communicative English II	THEORY	128	122	95.31
19BS1202	Engineering Mathematics II	THEORY	128	119	92.97
19BS1203	Engg.Chemistry	THEORY	128	126	98
19ES1202	Problem Solving and Programming	THEORY	128	107	83.5
19HS1251	Communicative English I Lab	PRACTICAL	128	128	100
19BS1251	Engineering Chemistry Lab	PRACTICAL	128	128	100
19ES1252	Problem Solving and Programming Lab	PRACTICAL	128	128	100
19ES1253	Basic Workshop	PRACTICAL	128	128	100
TOTAL			128	103	80.47

II/IV B. Tech - First Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
IT3T1	DIGITAL SYSTEM DESIGN	THEORY	135	135	100
IT3T2	CLASSIC DATA STRUCTURES	THEORY	135	135	100
IT3T3	PROBABILITY AND STATISTICS	THEORY	135	132	97.78
IT3T4	OOPS THROUGH C++	THEORY	135	129	95.56
IT3T5	OPERATING SYSTEMS CONCEPTS	THEORY	135	127	94.07
IT3L1	CLASSIC DATA STRUCTURES LAB	PRACTICAL	135	135	100
IT3L2	OOPS THROUGH C++ LAB	PRACTICAL	135	135	100
IT3L3	DIGITAL SYSTEM DESIGN LAB	PRACTICAL	135	135	100
IT3L4	TECHNICAL ENGLISH	PRACTICAL	135	135	100
TOTAL			135	122	90.37

II/IV B. Tech - Second Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
IT4T1	ADVANCED DATA STRUCTURES	THEORY	135	130	96.3
IT4T2	DATABASE SYTEMS	THEORY	135	123	91.11
IT4T3	JAVA	THEORY	135	125	92.59
IT4T4	AUTOMATA AND COMPILER DESIGN	THEORY	135	126	93.33
IT4T5	COMPUTER SYSTEM ARCHITECTURE	THEORY	135	130	96.3
IT4L1	DATABASE SYSTEMS LAB	PRACTICAL	135	134	99.26
IT4L2	JAVA LAB	PRACTICAL	135	134	99.26
IT4L3	ADVANCED DATA STRUCTURES LAB	PRACTICAL	135	134	99.26
IT4L4	SOFTSKILLS COURSE	PRACTICAL	135	135	100
Total			135	114	84.4

III/IV B. Tech - First Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
IT5T1	UNIX	THEORY	113	113	100
IT5T2	DESIGN METHODS AND ANALYSIS OF ALGORITHMS	THEORY	113	112	99.11
IT5T3	DATA COMMUNICATIONS AND COMPUTER NETWORKS	THEORY	113	112	99.11
IT5T4	WEB TECHNOLOGIES	THEORY	113	110	97.34
IT5T5	MICROPROCESSORS AND MICRO CONTROLLERS	THEORY	113	111	98.23
IT5L1	UNIX LAB	PRACTICAL	113	113	100
IT5L2	MICROPROCESSORS AND MICRO CONTROLLERS LAB	PRACTICAL	113	111	98.23
IT5L3	WEB TECHNOLOGIES LAB	PRACTICAL	113	113	100
IT5L4	ADVANCED ENGLISH LANGUAGE COMMUNICATION SKILLS LAB	PRACTICAL	113	113	100
Total			113	109	96.46

III/IV B. Tech - Second Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
IT6T1	SOFTWARE ENGINEERING	THEORY	113	113	100%
IT6T2	COMPUTER GRAPHICS AND ALGORITHMS	THEORY	113	113	100%
IT6T3	OBJECT ORIENTED ANALYSIS AND DESIGN	THEORY	113	111	98.23%
IT6T4	DATA MINING AND DATA WAREHOUSING	THEORY	113	113	100%
IT6T5FEB	MAT LAB PROGRAMMING AND APPLICATIONS	THEORY	65	65	100%
IT6T5FEC	INDUSTRIAL ENGINEERING & ENTREPRENEURSHIP	THEORY	48	48	100%
IT6L1	OOAD LAB	PRACTICAL	113	113	100%
IT6L2	DM LAB	PRACTICAL	113	113	100%
IT6L3	COMPUTER GRAPHICS AND ALGORITHMS LAB	PRACTICAL	113	113	100%
IT6L4	PERSONALITY DEVELOPMENT COURSE	PRACTICAL	113	113	100%
IT6L5	SEMINAR	PRACTICAL	113	113	100%
Total			113	111	98.23

IV/IV B. Tech - First Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
IT7T1	MANAGERIAL ECONOMICS AND FINANCIAL ACCOUNTANCY	THEORY	111	111	100
IT7T2	SOFTWARE TESTING	THEORY	111	109	98.19
IT7T3	MOBILE COMPUTING	THEORY	111	110	99.09
IT7T4	DISTRIBUTED OBJECT TECHNOLOGIES	THEORY	111	108	97.29
IT7T5C	ELEMENTS OF SOFTWARE PROJECT MANAGEMENT	THEORY	111	111	100
IT7T6A	HUMAN COMPUTER INTERACTION	THEORY	111	110	99.09
IT7L1	MOBILE COMPUTING LAB	PRACTICAL	111	111	100
IT7L2	DISTRIBUTED OBJECT TECHNOLOGIES LAB	PRACTICAL	111	111	100
IT7L3	MINI PROJECT/TERM PAPER AND SEMINAR	PRACTICAL	111	111	100
Total			111	105	94.59

IV/IV B. Tech - Second Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
IT8T1	BIOMETRICS	THEORY	111	111	100%
IT8T2B	BIG DATA ANALYTICS	THEORY	111	111	100%
IT8T3A	ARTIFICIAL INTELLIGENCE	THEORY	111	111	100%
IT8PW	PROJECT WORK	PRACTICAL	111	111	100%
Total			111	111	100%

13. Strengths:

- Excellent pass percentage
- Strong Leadership in department to motivate students
- Teaching Learning and Retention percentage is good.

14. Weaknesses:

- Needs further improvement in high salary placements.
- Poor performance in GATE exam
- External R and D projects have to be improved.

15. Suggestions for improvement:

- Concentrate on coding skills
- Consultancy and Professional Society activities have to be improved.
- Student projects should be done in Thrust areas.



Sig. of Departmental Coordinator

Sig. of Academic Auditor



1. (Internal)

2. (Internal)

3. P. A. Lakshmi



Sig. of HOD **HEAD**

Information Technology Department
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA-520 022



Sig. of IQAC Coordinator
29/12/2020

IQAC ACADEMIC AUDIT

Academic Audit Report

1. Name of Department: **Mechanical Engineering**
2. No. of full time permanent faculty: **31**(4-Professors , 5- Assoc professors , 22 -Assistant professors)
3. No. of part time Visiting/temporary contractual faculty: **NIL**
4. No. of PG / UG courses: **1-B.Tech & 1-M.Tech**
5. Curriculum Revisions Info: The curriculum is revised as per PVP-19 regulation.
6. Research:
 - Publications:
 - International Journals: **31** (13 papers are Scopus indexed, 07 papers are UGC+11 others)
 - National Journals: **Nil**
 - National Conferences: **02**
 - International Conference: **13**
 - Ph.D.
 - Theses Submitted: **01**
 - Awarded: **02**
 - Number of Conferences/Lectures Organized: **01/13**
 - Guiding: **6+4*/** guided Ph.Ds:01
7. Sponsored projects& amount:
 - Applied: **05**
 - Ongoing: **NIL**
 - Completed: **03**
8. No. of Department Library Printed Books: **707**
 - Web-resources CDs added : **25**
 - e-Books Added: **Nil**
 - Journals: **27**
9. No. of Faculty using ICT and PPTs: **31**
10. New Equipment and Infrastructure added:

S. NO	Name of the Laboratory	Name of the Equipment	COST (Rs.)
1.	Metallurgy Lab	Double Disc Polishing Machine	1,59,300/-
2.		Furnace	
3.		Jomney End Quench Apparatus	
4.	CAD Lab	UPS server	2,29,502
5.		Amplifier, Mikes, wire mike, Mouse, Ups batteries, Hp printer	39,700
6.	Machine Tool Lab – I	Digital Milling Tool Dynamometer with data acquisition board	52,510
7.	CAM Lab	Controller card for XL Mill (Industrial Type Controller)	3,39,781*

		acquisition board	
7.	CAM Lab	Controller card for XL Mill (Industrial Type Controller)	3,39,781*
TOTAL			8,20,793

11. Student feedback on Curriculum: Yes

12. Result Analysis:

I-I

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
19HS1101	Communicative English I	THEORY	94	94	100
19BS1101	Engineering Mathematics I	THEORY	94	49	52
19BS1102	Chemistry of Materials	THEORY	94	60	64
19ES1102	Problem Solving and Programming	THEORY	94	47	50
19HS1151	Communicative English Lab	PRACTICAL	94	94	100
19BS1151	Chemistry of Materials	PRACTICAL	94	94	100
19ES1152	Problem Solving and Programming	PRACTICAL	94	94	100
19ES1153	Basic Workshop	PRACTICAL	94	94	100
TOTAL				31	32.97

I-II

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
ME2T1	Engineering Mathematics-II	THEORY	AWAITING		
ME2T2	Professional Ethics	THEORY			
ME2T3	Engineering Chemistry	THEORY			
ME2T4	Engineering Mechanics-II	THEORY			
ME2T5	Basic Electrical and Electronics Engineering	THEORY			
ME2T6	C Programming	THEORY			
ME2L1	Engineering Chemistry Lab	PRACTICAL			
ME2L2	English Language Communication Skills Lab	PRACTICAL			
ME2L3	C Programming Lab	PRACTICAL			
TOTAL					

II-I

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
ME3T1	Numerical & Statistical Methods	THEORY	126	110	87
ME3T2	Basic Thermodynamics	THEORY	126	95	75
ME3T3	Fluid Mechanics & Hydraulic Machines	THEORY	126	110	87
ME3T4	Metallurgy & Material Science	THEORY	126	76	60
ME3T5	Mechanics of Solids – I	THEORY	126	95	75
ME3T6	Engineering Economics	THEORY	126	99	79
ME3L1	Fluid Mechanics & Hydraulic Machines Lab	PRACTICAL	126	124	98
ME3L2	Mechanics of Solids & Metallurgy Lab	PRACTICAL	126	125	99
TOTAL				64	50.79

II-II

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
ME4T1	Mechanics of Solids –II	THEORY	126	96	76
ME4T2	Applied Thermodynamics	THEORY	126	109	87
ME4T3	IC Engines and Gas Turbines	THEORY	126	113	90
ME4T4	Kinematics of Machinery	THEORY	126	105	83
ME4T5	Production Technology	THEORY	126	112	89
ME4L1	Computer Aided Machine Drawing Practice	PRACTICAL	126	126	95
ME4L2	Production Technology Lab	THEORY	126	124	98
ME4L3	Electrical And Electronics Engineering Lab	PRACTICAL	126	126	100
TOTAL				80	93.5

III-I

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
ME5T1	Dynamics of Machinery	THEORY	146	118	81
ME5T2	Metal Cutting & Machine Tools	THEORY	146	140	96
ME5T3	Heat Transfer	THEORY	146	127	87
ME5T4	Engineering Metrology	THEORY	146	114	78
ME5T5	Design of Machine Members – I	THEORY	146	128	88
ME5T6	CAD/CAM	THEORY	146	132	90
ME5L1	Fuels & IC Engines Lab	PRACTICAL	146	146	100
ME5L2	Metrology & Machine Tools Lab	PRACTICAL	146	145	99
ME5L3	CAD/CAM Lab	PRACTICAL	146	146	100
TOTAL				95	65.1

III-II

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
ME6T1	Mechanical Measurements	THEORY	146	134	92
ME6T2	Design of Machine Members - II	THEORY	146	142	97
ME6T3	Operations Research	THEORY	146	126	86
ME6T4	Refrigeration & Air Conditioning	THEORY	146	132	90
ME6T5	Industrial Engineering & Management	THEORY	146	139	95
ME6T6FE-A	Air Pollution & Control	THEORY	30	28	93
ME6T6FE-E	Microcontrollers	THEORY	9	9	100
ME6T6FE-F	Introduction to MATLAB	THEORY	16	15	93
ME6T6FE-G	OOPS Through JAVA	THEORY	31	27	87
ME6T6FE-H	Renewable Energy Sources	THEORY	59	57	97
ME6T6FE-I	Digital Image Processing	THEORY	1	1	100
ME6L1	Metrology & Instrumentation Lab	PRACTICAL	146	146	100
ME6L2	Heat Transfer Lab	PRACTICAL	146	146	100
TOTAL				119	81.5

IV-I

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
ME7T1	Mechatronics	THEORY	130	118	91
ME7T2	Production Planning and Control	THEORY	130	127	98
ME7T3	Finite Element Methods	THEORY	130	112	86
ME7T4C	Mechanical Vibrations	THEORY	130	125	96
ME7T5B	Advanced Machining Processes	THEORY	130	125	96
ME7L1	Simulation Lab	PRACTICAL	130	128	98
ME7L2	Machine Dynamics Lab	PRACTICAL	130	129	99
ME7L3	Mini Project	PRACTICAL	130	130	100
ME7L4	Seminar	PRACTICAL	130	130	100
TOTAL				108	80.8

IV-II

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
ME8T1	Power Plant Engineering	THEORY	129	125	97
ME8T2B	Automation in Manufacturing	THEORY	129	116	90
ME8T3B	Automobile Engineering	THEORY	129	113	88
ME8L1	CAD/CAM Lab	PRACTICAL	129	129	100
ME8PW	Project Work	PRACTICAL	129	129	100
TOTAL				105	81.4

13. Strengths:

1. Student teacher ratio is good.
2. Faculty retention and experience are good.
3. Student activities and training activities are good.
4. Compared last academic year number of placements and average package improved.
5. Feedback mechanism and its follow-up action are good.
6. 13 MoU's with industries.
7. Labs are equipped with latest equipment
8. 2 patents are awarded and 6 were registered.
9. All the faculty are using ICT.
10. Model and research-based student projects are evident.
11. Faculty guiding good number of PhD students.

14. Weaknesses:

1. Focus on student higher studies and career guidance need to be improved.
2. Funded R&D projects and consultancy need to be improved.

15. Suggestions for improvement:

1. More focus need to be placed on industry interaction.
2. Focus on R&D projects and more research publications in SCI/Scopus Journals
3. Pass percentage need to be improved with more focus on weak students.
4. Placement in core companies may be improved.

E. Karisla

Sig. of Departmental Coordinator

Sig. of Academic Auditor

J. Rajan

1. (Internal)

2. (Internal)

*(Mrs. S. R. Nirmalan
Kumar)*

3. P. Adi Laksh

[Signature]
Sig. of HOD

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