

2018-19

**INTERNAL ACADEMIC
AND
ADMINISTRATIVE AUDIT
REPORTS**

Academic Audit Report (2018-19)

1. Name of Department: **CIVIL ENGINEERING**
2. No. of full time permanent faculty: **12**
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 OBE**
6. Research Publications:
 - International Journals: **19**
 - National Conferences: **06**
 - International Conference: **05**
 - PhD Thesis Submitted: **02**
 - PhD Awarded: **02**
 - Number of Conferences/Lectures Organized:
No of conferences : 01, No of workshops : 01, No of Guest lectures : 04
 - Guiding / Guided Ph.Ds: **Guided 2 Ph.Ds & Guiding 8 Ph.Ds**
7. Sponsored projects & amount:
 - Ongoing: **1 project (2.05 Lakhs)**
 - Completed: **2 UGC Project (6.2 lakhs)**
8. No. of Department Library Printed Books Added: **Nil**
 - Web-resources CDs added: **Nil**
 - E-Books Added: **Nil**
9. No. of Faculty using ICT and PPTs: **12**
10. New Equipment and Infrastructure added: **39 Items worth Rs 7.368 Lakhs**
11. Student feedback on Curriculum: **Yes**
12. Result Analysis 2018-19:

	Semester 1	Semester 2
I	74.13	13.17
II	48.48	64.19
III	65.15	80.00
IV	91.55	95.71

B.TECH I YEAR - I SEMESTER

Subject Code	Subject Name	Type	Registered	Passed	Pass%
CE1T1	Engineering Mathematics -I	Theory	58	55	94.82
CE1T2	English for Communication	Theory	58	58	100
CE1T3	Engineering Chemistry	Theory	58	48	82.75
CE1T4	Environmental Studies	Theory	58	58	100
CE1T5	Engineering Drawing	Theory	58	53	91.37
CE1T6	Basic Mechanical Engineering	Theory	58	53	91.37
CE1L1	Engineering Chemistry Lab	Practical	58	58	100
CE1L2	IT Workshop	Practical	58	58	100
CE1L3	English Language Communication Skills Lab	Practical	58	58	100
Total			58	43	74.13

B.TECH I YEAR - II SEMESTER

Subject Code	Subject Name	Type	Registered	Passed	Pass%
CE2T1	Engineering Mathematics –II	Theory	58	36	62.07
CE2T2	Professional Ethics	Theory	58	58	100
CE2T3	Engineering Physics	Theory	58	30	51.72
CE2T4	Engineering Mechanics	Theory	58	22	37.93
CE2T5	Basic Electrical and Electronics Engineering	Theory	58	42	72.41
CE2T6	C- Programming	Theory	58	12	20.69
CE2L1	Engineering Physics Lab	Practical	58	58	100
CE2L2	Engineering Workshop	Practical	58	58	100
CE2L3	C – Programming Lab	Practical	58	58	100
Total			58	8	13.79

B.TECH II YEAR - I SEMESTER

Subject Code	Subject Name	Type	Registered	Passed	Pass%
CE3T1	Mathematical Methods	Theory	69	51	73.91
CE3T2	Building Materials and Construction	Theory	69	48	69.57
CE3T3	Mechanics of Solids-I	Theory	69	62	89.86
CE3T4	Engineering Geology	Theory	69	54	78.26
CE3T5	Surveying	Theory	69	42	60.87
CE3T6	Fluid Mechanics	Theory	69	60	86.96
CE3L1	Surveying Field work	Practical	69	69	100
CE3L2	Engineering Geology Lab	Practical	69	69	100
CE3L3	Computer Aided Drawing	Practical	69	69	100
Total			69	33	47.83

B.TECH II YEAR - II SEMESTER

Subject Code	Subject Name	Type	Registered	Passed	Pass%
CE4T1	Concrete Technology	Theory	67	63	94.03
CE4T2	Geotechnical Engineering-I	Theory	67	45	67.16
CE4T3	Mechanics of Solids-II	Theory	67	63	94.03
CE4T4	Hydraulics and Hydraulic Machinery	Theory	67	58	86.57
CE4T5	Building Planning and Drawing	Theory	67	63	94.03
CE4T6	Structural Analysis – I	Theory	67	56	83.58
CE4L1	Fluid Mechanics and Hydraulic Machines Lab	Practical	67	65	97.01
CE4L2	Material Testing Lab	Practical	67	66	98.51
CE4L3	Surveying Field Work	Practical	67	67	100
Total			67	43	64.18

B.TECH III YEAR - I SEMESTER

Subject Code	Subject Name	Type	Registered	Passed	Pass%
CE5T1	Design and Drawing of Concrete Structures - I	Theory	66	54	81.82
CE5T2	Environmental Engineering-I	Theory	66	65	98.48
CE5T3	Water Resources Engineering-I	Theory	66	58	87.88
CE5T4	Structural Analysis – II	Theory	66	59	89.39
CE5T5	Transportation Engineering-I	Theory	66	57	86.36
CE5T6	Geotechnical Engineering – II	Theory	66	48	72.73
CE5L1	Geotechnical Engineering Lab	Practical	66	66	100
CE5L2	Concrete Technology Lab	Practical	66	66	100
Total			66	43	65.15

B.TECH III YEAR - II SEMESTER

Subject Code	Subject Name	Type	Registered	Passed	Pass%
CE6T1	Design and Drawing of Concrete Structures - II	Theory	65	62	95.38
CE6T2	Design and Drawing of Steel Structures	Theory	65	58	89.23
CE6T3	Water Resources Engineering –II	Theory	65	58	89.23
CE6T4	Environmental Engineering-II	Theory	65	58	89.23
CE6T5	Transportation Engineering –II	Theory	65	63	96.92
CE6T6FE-A	Industrial Engineering & Entrepreneurship	Theory	65	65	100
CE6L1	Transportation Engineering Lab	Practical	65	65	100
CE6L2	Computer Aided Building Drawing	Practical	65	65	100
Total			65	52	80

B.TECH IV YEAR - I SEMESTER

Subject Code	Subject Name	Type	Registered	Passed	Pass%
CE7T1	Advanced Structural Engineering	Theory	71	69	97.18
CE7T2	Remote Sensing and GIS Applications	Theory	71	70	98.59
CE7T3	Estimation and Costing	Theory	71	67	94.37
CE7T4C	Traffic Engineering	Theory	71	71	100
CE7T5B	Ground Improvement Techniques	Theory	71	50	98.04
CE7T5E	Green Buildings	Theory	71	20	98.04
CE7L1	CCAD and GIS Lab	Practical	71	71	100
CE7L2	Environmental Engineering Lab	Practical	71	71	100
CE7L3	Industrial Training / Mini Project	Practical	71	71	100
Total			71	65	91.55

B.TECH IV YEAR - II SEMESTER

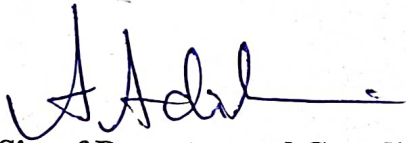
Subject Code	Subject Name	Type	Registered	Passed	Pass%
CE8T1	Construction Technology and Project Management	Theory	70	69	98.57
CE8T2	Engineering Economics and Project Appraisal	Theory	70	68	97.14
CE8T3B	Environmental Impact Assessment	Theory	70	69	98.57
CE8T4C	Watershed Management	Theory	70	69	98.57
CE8L1	Major Project	Practical	70	70	100
Total			70	67	95.71

13. Strengths:

- a. Good quality of publications.
- b. Mechanisms and activities for slow learners for their improvement is good.
- c. Teacher student ratio and faculty retention are good.
- d. Monitoring of teaching and learning process is good.
- e. Considerable consultancy had been done.

14. Weaknesses and Suggestions for improvement:

- a. Hardware/Software developed for addressing the societal problems may be improved.
- b. Skill development centre may be established.
- c. Faculty interaction with outside world may be improved.
- d. Funded/sponsored research projects may be improved.
- e. Research centre of excellence may be established.



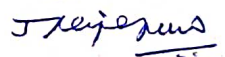
Sig. of Departmental Coordinator

Sig. of Academic Auditor

1. (Internal)



2. (Internal)



Sig. of HOD

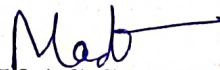
Professor & Head

Dept. of Civil Engineering

PVP Siddhartha Institute of Technology
Kanuru, VIJAYAWADA - 520 007

IQAC ACADEMIC AUDIT

Sig. of IQAC Coordinator



P.V. P SIDDHARTHA INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

INTERNAL QUALITY ASSURANCE CELL

Academic Audit report (2018-2019)

1. Name of Department : **Computer Science and engineering**
2. No .of full time permanent faculty : **34**
3. N. of part time Visiting/temporary contractual faculty: **NIL**
4. No. of PG/UG courses : **UG-B.Tech**
: **PG-M.Tech (CSE)-1**
5. Curriculum Revisions info:Revised Curriculum PVP-19 as per OBE
6. Research: Publications International Jr : **31**
National Jr : **5**
National Conference : **2**
International Conference : **12**
Ph.D theses Submitted : **03**
Awarded : **01**
Number of conferences/Lectures organized : **16**
Guiding / guided Ph.Ds : **04**
7. Sponsored Projects & amount :
Applied : **2,03,72,650/-**
Ongoing : **2, 60,000/-**
And completed : **NIL**
8. No. of Department library printed Books Added : **114**
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 : **9,52,269/-**
11. Student feedback on Curriculum : **Yes**

12. Result Analysis:

II B.Tech I Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
CS3T1	DISCRETE MATHEMATICS	THEORY	135	128	94.81
CS3T2	DATA STRUCTURES	THEORY	135	134	99.26
CS3T3	PROGRAM DESIGN	THEORY	135	129	95.56
CS3T4	FORMAL LANGUAGES AND AUTOMATA THEORY	THEORY	135	128	94.81
CS3T5	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	THEORY	135	127	94.07
CS3L1	DATA STRUCTURES LAB	PRACTICAL	135	135	100
CS3L2	ADVANCED C PROGRAMMING LAB	PRACTICAL	135	135	100
CS3L3	JAVA LAB	PRACTICAL	135	135	100
CS3L4	TECHNICAL ENGLISH	PRACTICAL	135	135	100
TOTAL			135	119	88.15

II B.Tech II Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
CS4T1	COMPILER DESIGN	THEORY	133	123	92.48
CS4T2	DESIGN ANALYSIS AND ALGORITHMS	THEORY	133	124	93.23
CS4T3	FILE STRUCTURES	THEORY	133	127	95.48
CS4T4	PRINCIPLES OF PROGRAMMING LANGUAGES	THEORY	133	129	96.99
CS4T5	COMPUTER ORGANIZATION	THEORY	133	121	90.97
CS4L1	COMPILER DESIGN LAB	PRACTICAL	133	133	100
CS4L2	FILE STRUCTURES LAB	PRACTICAL	133	133	100
CS4L3	COMPUTER ORGANIZATION LAB	PRACTICAL	133	133	100
CS4L4	PERSONALITY DEVELOPMENT COURSE	PRACTICAL	133	133	100
TOTAL			133	116	87.21

III B.Tech I Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
CS5T1	DATABASE MANAGEMENT SYSTEMS	THEORY	132	129	97.73
CS5T2	MICROPROCESSOR AND INTERFACING	THEORY	132	124	93.94
CS5T3	COMPUTER NETWORKS	THEORY	132	125	94.7
CS5T4	SOFT COMPUTING	THEORY	132	120	90.91
CS5T5	OPERATING SYSTEMS	THEORY	132	124	93.94
CS5L1	DATABASE MANAGEMENT SYSTEMS LAB	PRACTICAL	132	132	100
CS5L2	MICROPROCESSOR AND INTERFACING LAB V	PRACTICAL	132	131	99.24
CS5L3	COMPUTER NETWORKS AND OPERATING SYSTEMS LAB	PRACTICAL	132	131	99.24
CS5L4	FREE OPEN SOURCE SOFTWARE TOOLS	PRACTICAL	132	131	99.24
TOTAL:			132	103	78.03

III B.Tech II Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
CS6T1	ADVANCED JAVA AND WEB TECHNOLOGIES	THEORY	132	130	98.48
CS6T2	DESIGN PATTERNS	THEORY	132	126	95.45
CS6T3	COMPUTER GRAPHICS	THEORY	132	120	90.91
CS6T4	DATA WAREHOUSING AND DATA MINING	THEORY	132	128	96.97
CS6T5FE-A	AIR POLLUTION AND CONTROL.	THEORY	114	107	93.86
CS6T5FE-E	MAT LAB PROGRAMING AND APPLICATIONS	THEORY	7	6	85.71
CS6T5FE-D	INDUSTRIAL ENGINEERING AND ENTREPRENUERSHIP	THEORY	11	11	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	111	84.09

IV B.Tech I Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
CS7T1	BIG DATA CONCEPTS	THEORY	137	137	100
CS7T2	MOBILE APPLICATION DEVELOPMENT	THEORY	137	137	100
CS7T3	INFORMATION SECURITY	THEORY	137	135	98.54
CS7T4B	ELECTIVE-I ADVANCED DATABASES	THEORY	137	131	95.62
CS7T5A	ELECTIVE-II SOFTWARE ENGINEERING	THEORY	137	131	95.62
CS7L1	DATA ANALYTICS LAB	PRACTICAL	137	137	100
CS7L2	MOBILE APPLICATION DEVELOPMENT LAB	PRACTICAL	137	137	100
CS7L3	INFORMATION SECURITY LAB	PRACTICAL	137	137	100
CS7L4	MINI PROJECT	PRACTICAL	137	137	100
CS7L5	SEMINAR	PRACTICAL	137	137	100
TOTAL			137	126	91.97

IV B.Tech II Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
CS8T1	MEFA	THEORY	137	137	100
CS8T2A	E-COMMERCE	THEORY	107	107	100
CS8T2D	SCRIPTING LANGUAGES	THEORY	30	30	100
CS8T3A	HUMAN COMPUTER INTERACTION	THEORY	137	135	98.54
CS8PW	MAIN PROJECT	PRACTICAL	137	136	99.27
TOTAL			137	134	97.81

13. Strengths:

- (1) Success Rate and Cadre Ratio are good
- (2) Academic Performance and Faculty experience are good.
- (3) Teacher-Student Ratio and Retention of faculty are good.
- (4) Mechanism and activities for slow learners for their improvement is in practice.
- (5) Student Counselling and mentoring mechanism is good
- (6) Monitoring teaching learning process is in practice.
- (7) Follow up action on student feedback is good.
- (8) Student internships have been increased substantially.
- (9) Motivating faculty for obtaining intellectual property rights is good.
- (10) New equipment is added in the laboratory with the latest configuration.
- (11) GATE, GRE and other competitive exams support for students is seen.

14. Weaknesses:

- (1) Though the number of placements is good, high salary package needs to be improved.
- (2) Industry- Institute interaction may be improved
- (3) Funded R&D and Consultancy needs to be improved.

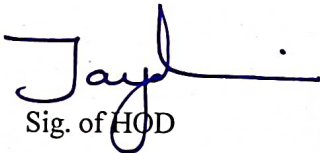
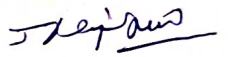


Sig. of Departmental Coordinator

Sig. of Academic Auditor 1. (Internal)



2. (Internal)



Sig. of HOD

HEAD
Department of
Computer Science & Engineering
VP 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:2018-2019

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:21
3. No. of part time Visiting/temporary contractual faculty: **NIL**
4. No. of PG / UG courses: **M.Tech (MWE) & B.Tech**
5. Curriculum Revisions Info: **Revised curriculum for PVP-19 as per OBE**
6. Research:
Scopus Publications: 11
UGC Journals: 22
National Conferences: 1
International Conference: 11
Book Chapters: 03
Ph.D. Theses Submitted: **NIL**
Ph.D. Theses Submitted Awarded: **NIL**
Number of Conferences Organized: **NIL**
Guest Lectures-11
Guiding / Guided PhDs: **Guided: 02 Guiding: 05**
7. Sponsored projects& amount:
Applied: 2
Ongoing:01
Completed: 3
8. No. of Department Library Printed Books Added:
Web-resources CDs added --NIL
E-Books Added: --03
Journals ---37
9. No. of Faculty using ICT and PPTs: 28
10. New Equipment and Infrastructure added: Equipment worth Rs11,61,315/- 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	
EC 1T1	Engineering Mathematics – I	Theory	118	108	91.53
EC 1T2	English for Communication	Theory	118	118	100
EC 1T3	Engineering Physics	Theory	118	108	91.53
EC 1T4	Engineering Chemistry	Theory	118	114	96.61
EC 1T5	C Programming	Theory	118	108	91.53

EC 1L1	English Language Communication Skills Lab	Practical	118	118	100
EC 1L2	Engineering Physics and Chemistry Lab	Practical	118	118	100
EC 1L3	C Programming Lab	Practical	118	118	100
Total			118	100	84.75

I/IV B. Tech. - Second Semester

Subject Code	Subject	Details			%
		Type	Registered	Passed	
EC 2T1	Engineering Mathematics - II	Theory	116	111	95.69
EC 2T2	Professional Ethics	Theory	116	114	98.28
EC 2T3	Elements of Mechanical Engineering	Theory	116	112	96.55
EC 2T4	Environmental Studies	Theory	116	115	99.14
EC 2T5	Electronic Devices and Circuits	Theory	116	109	93.97
EC 2T6	Engineering Drawing	Theory	116	112	96.55
EC 2L1	IT Workshop	Practical	116	116	100
EC 2L2	Electronic Devices and Circuits Lab	Practical	116	111	95.69
EC 2L3	Engineering Workshop	Practical	116	116	100
Total			116	103	88.79

II/IV B. Tech. - First Semester

Subject Code	Subject	Details			%
		Type	Registered	Passed	
EC 3T1	Engineering Mathematics-III	Theory	141	132	93.62
EC 3T2	Probability Theory and Stochastic Process	Theory	141	108	76.6
EC 3T3	Signals and Systems	Theory	141	114	80.85
EC 3T4	Network Analysis and Synthesis	Theory	141	129	91.49
EC 3T5	Electrical Technology	Theory	141	133	94.33
EC 3T6	Switching Theory and Logic Design	Theory	141	116	82.27

EC 3L1	Basic Simulation Lab	Practical	141	138	97.87
EC 3L2	Networks and Electrical Technology Lab	Practical	141	138	97.87
Total			141	95	67.38

II/IV B. Tech. - Second Semester

Subject Code	Subject	Details			%
		Type	Registered	Passed	
EC 4T1	Control Systems	Theory	142	116	81.69
EC 4T2	Pulse and Digital Circuits	Theory	142	136	95.77
EC 4T3	Analog Electronic Circuits	Theory	142	114	80.28
EC 4T4	Electromagnetic Fields and Waves	Theory	142	116	81.69
EC 4T5	Analog Communications	Theory	142	134	94.37
EC 4L1	Analog Communications Lab	Practical	142	142	100
EC 4L2	Analog Electronic Circuits Lab	Practical	142	139	97.89
EC 4L3	Pulse and Digital Circuits Lab	Practical	142	141	99.3
Total			142	99	69.72

III/IV B. Tech. - First Semester

Subject Code	Subject	Details			%
		Type	Registered	Passed	
EC5T1	Linear Integrated Circuits	Theory	141	138	97.87
EC 5T2	Transmission Lines and Wave Guides	Theory	141	126	69.36
EC 5T3	Computer-Architecture and Organization	Theory	141	121	85.81
EC 5T4	Antenna and Wave Propagation	Theory	141	126	89.36
EC 5T5	Digital IC Applications	Theory	141	126	89.36
EC5T6	Digital Signal Processing	Theory	141	111	78.72
EC 5L1	Linear IC Applications Lab	Practical	141	141	100
EC 5L2	Digital IC Applications Lab	Practical	141	141	100

EC5L3	Seminar		141	141	100
Total			141	98	69.5

III/IV B. Tech. - Second Semester

Subject Code	Subject	Details			%
		Type	Registered	Passed	
EC 6T1	VLSI Design	Theory	140	137	97.86
EC 6T2	Microprocessors and Microcontrollers	Theory	140	110	78.57
EC 6T3	Microwave Engineering	Theory	140	136	97.14
EC 6T4	Digital Communications	Theory	140	127	90.71
EC 6T5	Computer Networks	Theory	140	136	97.14
EC 6T6FEB	Air pollution and control	Theory	42	37	88.1
EC6T6FED	OOPS through JAVA	Theory	98	97	98.98
EC 6L1	Digital Communications Lab	Practical	140	140	100
EC 6L2	Microprocessors and Microcontrollers Lab	Practical	140	140	100
EC 6L3	OOPS Lab	Practical	140	140	100
Total			140	105	75

IV/IV B. Tech. - First Semester

Subject Code	Subject	Details			%
		Type	Registered	Passed	
EC 7T1	Optical Communications	Theory	129	127	98.45
EC 7T2	Digital Image Processing	Theory	129	120	93.02
EC 7T3	Cellular and Mobile Communications	Theory	129	127	98.45
EC7T4A	Embedded and Real Time Systems	Theory	96	94	97.92
EC7T4D	Bio – Medical Instrumentation	Theory	33	30	90.91
EC7T5A	Wireless Communications and Networks	Theory	67	66	98.51
EC7T5C	Radar Systems	Theory	62	60	96.77
EC 7T6	Managerial Economics and Financial Analysis	Theory	129	124	96.12
EC 7L1	Microwave Engineering and Optical Communications Lab	Practical	129	128	99.22

EC 7L2	Digital Signal Processing Lab	Practical	129	128	99.22
EC 7L3	Mini Project	Practical	129	129	100+
Total			129	114	88.37

IV/IV B. Tech. - Second Semester

Subject Code	Subject	Details			%
		Type	Registered	Passed	
EC 8T1	TV and Satellite Communications	Theory	129	123	95.35
EC8T2D	GPS	Theory	129	126	97.67
EC8T3D	Engineering Economics and management	Theory	129	129	100
EC 8PW	Project Work	Practical	129	129	100
Total			129	122	94.57

13. Strengths:

- (1) Teacher student ratio and faculty cadre ratio are good.
- (2) Faculty experience and retention is good.
- (3) Mechanism and activities for slow learners for their improvement is good.
- (4) Financial assistance for In House Projects and Student Projects is good.
- (5) Good success rate and placement record.
- (6) New equipment is added in laboratories.

14. Weaknesses:

- (1) Faculty intellectual property rights number is to be improved.
- (2) Faculty qualifications and publications in Scopus index journals need to be improved.
- (3) R&D projects from Government and External agencies should be increased.

15. Suggestions for improvement:

- (1) Placements with high packages and in Core companies need to be improved
- (2) Faculty should focus more towards publishing SCI/SCOPUS indexed publications.
- (3) Non-teaching staff skill upgradation programs should be organized frequently.

Signature of Departmental Coordinator :

sig. of Academic Auditor 1. (Internal) :

2. (Internal) :

Signature of HOD

Signature of IQAC Coordinator

HEAD
Electronics & Communication Engg. Dept.
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIDYAWADA-520 007.

PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic Audit Report

1. Name of Department: **Electrical and Electronics Engineering**
2. No. of fulltime permanent faculty: **31**
Professors: 3 Associate Professors: 5 Assistant Professors: 23
3. No. of part time Visiting/temporary contractual faculty: **NIL**
4. No. of PG / UG courses: **M.Tech (PSCA) & B.Tech**
5. Curriculum Revisions Info: **Revised curriculum for PVP-19 as per OBE**
6. Research: Publications in International Jr: **49** National Jr: **1** National Conferences: **NIL**
International Conference: **3**
Ph.D. thesis Submitted: **1** Awarded: **1**
Number of Conferences / Lectures Organized: **Guest Lectures-4**
Guiding/Guided Ph.Ds: **Guided: 3 Guiding: 12**
7. Sponsored projects & amount: Applied. **NIL** Ongoing: **1** and completed... **NIL**
8. No. of Department Library Printed Books Added: Web-resources CDs added -- **22** SONET
e-Books Added: **2**; Journals --- **1**
9. No. of Faculty using ICT and PPTs: **31**
10. New Equipment and Infrastructure added: **Purchased MATLAB software-Rs.5,13,820**
11. Student feedback on Curriculum: **Yes or No ----Yes**
12. Results:

I/IV B. Tech –First Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
EE1T1	Engineering Mathematics – I	THEORY	92	77	83.7
EE1T2	English for communication	THEORY	92	92	100
EE1T3	Engineering Physics	THEORY	92	79	85.87
EE1T4	Environmental studies	THEORY	92	92	100
EE1T5	Electrical Engineering Materials	THEORY	92	87	94.57
EE1T6	Introduction to Electrical Engineering	THEORY	92	82	89.13
EE1L1	English Language Communication skills lab	PRACTICAL	92	92	100
EE1L2	Engineering Workshop	PRACTICAL	92	91	98.91
EE1L3	Engineering Graphics lab	PRACTICAL	92	78	84.78
TOTAL			92	64	69.57

I/IV B. Tech - Second Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
EE2T1	Engineering Mathematics –II	THEORY	92	76	82.6
EE2T2	Professional Ethics	THEORY	92	87	94.56
EE2T3	Engineering Chemistry	THEORY	92	75	81.52
EE2T4	Basic Electronic Devices & Circuits	THEORY	92	66	71.73
EE2T5	Electrical Circuit Analysis - I	THEORY	92	74	80.43
EE2T6	C programming	THEORY	92	70	76.08
EE2L1	Engineering Physics & Chemistry Lab	PRACTICAL	92	92	100
EE2L2	Advanced English Language Communication skills lab	PRACTICAL	92	92	100
EE2L3	C programming lab	PRACTICAL	92	92	100
TOTAL			92	54	58.69

II/IV B. Tech - First Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
EE3T1	Numerical methods & differential equations	THEORY	146	127	86.99
EE3T2	Electrical Machines – I	THEORY	146	125	85.62
EE3T3	Thermal & Hydro prime movers	THEORY	146	144	98.63
EE3T4	Electrical Circuit analysis-II	THEORY	146	105	71.92
EE3T5	Electromagnetic Fields	THEORY	146	120	82.19
EE3T6	Switching Theory and Logic Design	THEORY	146	99	67.81
EE3L1	Electrical Circuits lab	PRACTICAL	146	145	99.32
EE3L2	EDC Lab	PRACTICAL	146	145	99.32
TOTAL			146	81	55.48

II/IV B. Tech - Second Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
EE4T1	Complex variables & special functions	THEORY	141	95	67.37
EE4T2	Electrical Machines – II	THEORY	141	123	87.23
EE4T3	Electrical Power Generation	THEORY	141	136	96.45
EE4T4	Electrical Measurements & Instrumentation	THEORY	141	121	85.82

EE4T5	Control systems	THEORY	141	114	80.85
EE4T6	Pulse and Digital Circuits	THEORY	141	110	78.01
EE4L1	Electrical Machines Lab-I	PRACTICAL	141	141	100
EE4L2	Electrical Measurements Lab	PRACTICAL	141	141	100
Total			141	87	61.7

III/IV B. Tech - First Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
EE5T1	Industrial organization and Engineering Economics	THEORY	129	129	100
EE5T2	Electrical Machines – III	THEORY	129	116	89.92
EE5T3	Utilization of electrical energy	THEORY	129	124	96.90
EE5T4	Power Electronics	THEORY	129	107	82.95
EE5T5	Transmission and distribution	THEORY	129	113	84.60
EE5T6	Linear & Digital Integrated Circuit Applications	THEORY	129	115	89.15
EE5L1	Electrical Machines Lab-II	PRACTICAL	129	129	100
EE5L2	LDIC Lab	PRACTICAL	129	129	100
EE5L3	Control systems Lab	PRACTICAL	129	129	100
Total			129	92	71.32

III/IV B. Tech - Second Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
EE6T1	Digital signal processing	THEORY	128	103	79.69
EE6T2	Electrical Machine Design	THEORY	128	114	88.28
EE6T3	Microcontrollers and applications	THEORY	128	101	78.91
EE6T4	Power Semiconductor Drives	THEORY	128	119	92.97
EE6T5	Power system analysis	THEORY	128	90	69.53
EE6T6FE-A	Air Pollution and Control	THEORY	63	61	69.83
EE6T6FE-B	Web Technologies	THEORY	19	17	89.47
EE6T6FE-C	Oops Through JAVA	THEORY	6	5	83.33
EE6T6FE-D	Introduction To MATLAB	THEORY	22	19	86.36
EE6T6FE-E	Mechatronics	THEORY	18	18	100

I/IV B. Tech - Second Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
EE2T1	Engineering Mathematics –II	THEORY	92	76	82.6
EE2T2	Professional Ethics	THEORY	92	87	94.56
EE2T3	Engineering Chemistry	THEORY	92	75	81.52
EE2T4	Basic Electronic Devices & Circuits	THEORY	92	66	71.73
EE2T5	Electrical Circuit Analysis - I	THEORY	92	74	80.43
EE2T6	C programming	THEORY	92	70	76.08
EE2L1	Engineering Physics & Chemistry Lab	PRACTICAL	92	92	100
EE2L2	Advanced English Language Communication skills lab	PRACTICAL	92	92	100
EE2L3	C programming lab	PRACTICAL	92	92	100
TOTAL			92	54	58.69

II/IV B. Tech - First Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
EE3T1	Numerical methods & differential equations	THEORY	146	127	86.99
EE3T2	Electrical Machines – I	THEORY	146	125	85.62
EE3T3	Thermal & Hydro prime movers	THEORY	146	144	98.63
EE3T4	Electrical Circuit analysis-II	THEORY	146	105	71.92
EE3T5	Electromagnetic Fields	THEORY	146	120	82.19
EE3T6	Switching Theory and Logic Design	THEORY	146	99	67.81
EE3L1	Electrical Circuits lab	PRACTICAL	146	145	99.32
EE3L2	EDC Lab	PRACTICAL	146	145	99.32
TOTAL			146	81	55.48

II/IV B. Tech - Second Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
EE4T1	Complex variables & special functions	THEORY	141	95	67.37
EE4T2	Electrical Machines – II	THEORY	141	123	87.23
EE4T3	Electrical Power Generation	THEORY	141	136	96.45
EE4T4	Electrical Measurements & Instrumentation	THEORY	141	121	85.82

13. Strengths:

- (1) Teacher student ratio and faculty cadre ratio are good.
- (2) Faculty experience and retention are good.
- (3) Mechanism and activities for slow learners for their improvement and outcomes is good.
- (4) Monitoring of teaching learning process is good.
- (5) Good success rate and placement record.
- (6) New equipment is added in laboratories.

14. Weaknesses:

- (1) Faculty intellectual property rights are not seen.
- (2) Details of coaching provided for GATE/GRE/ any other competitive exams are not seen.
- (3) R&D projects not seen.

15. Suggestions for improvement:

- (1) Placements with high packages can be improved
- (2) SCI/SCOPUS publications can be improved.
- (3) Non-teaching skill development programs has to be improved.


Departmental Coordinator

Academic Auditor


1. (Internal)


2. (Internal)


HOD


IQAC Coordinator

HEAD

of Electrical & Electronics Engg.
PRASAD V. POTLURI
DHARMA INSTITUTE OF TECHNOLOGY
NURU, VIDAYAWADA-520007

Academic Audit Report

1. Name of Department: **INFORMATION TECHNOLOGY**
2. No. of full time permanent faculty: **23**
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: 34
 National Journals:
 National Conferences: 1
 International Conference: 02
 Ph.D. Theses Submitted: 05
 Awarded: 01
 Number of Conferences/Lectures Organized: NIL
 Guiding / guided PhD's: 03
7. Sponsored projects& Amount Applied: 08
 Ongoing: 11
 Completed: 2
8. No. of Department Library Printed Books Added: Nil
 Web-resources CDs added: 0
 e-Books Added: 0 Journals : 0
9. No. of Faculty using ICT and PPTs: 23
10. New Equipment and Infrastructure added: Rs. 2,02,663/- utilized for air-conditioning, LCD projectors and 4.12V SMF battery
11. Student feedback on Curriculum: **Yes**
12. Result Analysis 2018-19:

	Semester 1	Semester 2
I	80.17	79.67
II	89.47	89.38
III	83.93	91.89
IV	98.21	99.11

I/IV B. Tech – First Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
IT1T1	Engineering Mathematics -1	THEORY	121	118	97.52%
IT1T2	English for Communication	THEORY	121	120	99.17%
IT1T3	Engineering Chemistry	THEORY	121	117	96.69%
IT1T4	Discrete Mathematics	THEORY	121	103	85.12%
IT1T5	Basic Electrical Engineering	THEORY	121	110	90.91%
IT1T6	Introduction to Information Technology	THEORY	121	119	98.35%
IT1L1	English Language Communication Skills Lab	PRACTICAL	121	120	99.17%
IT1L2	IT Workshop	PRACTICAL	121	120	99.17%
IT1L3	Engineering Graphics Lab	PRACTICAL	121	119	98.35%
TOTAL			121	97	80.17

I/IV B. Tech - Second Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
IT2T1	ENGINEERING MATHEMATICS – II	THEORY	123	109	88.62
IT 2T2	PROFESSIONAL ETHICS	THEORY	123	123	100
IT2T3	ENGINEERING PHYSICS	THEORY	123	112	91.06
IT2T4	ENVIRONMENTAL STUDIES	THEORY	123	121	98.37
IT2T5	BASIC ELECTRONICS ENGG	THEORY	123	120	97.56
IT2T6	C PROGRAMMING	THEORY	123	106	86.17
IT2L1	ENGG. PHY/CHE LAB	PRACTICAL	123	123	100
IT2L2	BEE LAB	PRACTICAL	123	123	100
IT2L3	CP LAB	PRACTICAL	123	123	100
TOTAL			123	123	100
			123	98	79.67

II/IV B. Tech - First Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
IT3T1	DIGITAL SYSTEM DESIGN	THEORY	114	104	91.22%
IT3T2	CLASSIC DATA STRUCTURES	THEORY	114	113	99.12%
IT3T3	PROBABILITY AND STATISTICS	THEORY	114	113	99.12%
IT3T4	OOPS THROUGH C++	THEORY	114	113	99.12%
IT3T5	OPERATING SYSTEMS CONCEPTS	THEORY	114	110	96.49%
IT3L1	CLASSIC DATA STRUCTURES LAB	PRACTICAL	114	114	100%
IT3L2	OOPS THROUGH C++ LAB	PRACTICAL	114	114	100%
IT3L3	DIGITAL SYSTEM DESIGN LAB	PRACTICAL	114	114	100%
TOTAL			114	102	89.47

II/IV B. Tech - Second Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
IT4T1	ADVANCED DATA STRUCTURES	THEORY	113	111	98.23
IT4T2	DATABASE SYTEMS	THEORY	113	113	100
IT4T3	JAVA	THEORY	113	113	100
IT4T4	AUTOMATA AND COMPILER DESIGN	THEORY	113	104	92.03
IT4T5	COMPUTER SYSTEM ARCHITECTURE	THEORY	113	110	97.34
IT4L1	DATABASE SYSTEMS LAB	PRACTICAL	113	113	100
IT4L2	JAVA LAB	PRACTICAL	113	113	100
IT4L3	ADVANCED DATA STRUCTURES LAB	PRACTICAL	113	113	100
IT4L4	SOFTSKILLS COURSE	PRACTICAL	113	113	100
Total			113	101	89.38

III/IV B. Tech - First Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
IT5T1	UNIX	THEORY	112	110	98.21
IT5T2	DESIGN METHODS AND ANALYSIS OF ALGORITHMS	THEORY	112	109	97.32
IT5T3	DATA COMMUNICATIONS AND COMPUTER NETWORKS	THEORY	112	108	96.43
IT5T4	WEB TECHNOLOGIES	THEORY	112	108	96.43
IT5T5	MICROPROCESSORS AND MICRO CONTROLLERS	THEORY	112	98	87.5
IT5L1	UNIX LAB	PRACTICAL	112	112	100
IT5L2	MICROPROCESSORS AND MICRO CONTROLLERS LAB	PRACTICAL	112	112	100
IT5L3	WEB TECHNOLOGIES LAB	PRACTICAL	112	112	100
IT5L4	ADVANCED ENGLISH LANGUAGE COMMUNICATION SKILLS LAB	PRACTICAL	112	112	100
Total			112	94	83.93

III/IV B. Tech - Second Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
IT6T1	SOFTWARE ENGINEERING	THEORY	111	111	100%
IT6T2	COMPUTER GRAPHICS AND ALGORITHMS	THEORY	111	104	93.69%
IT6T3	OBJECT ORIENTED ANALYSIS AND DESIGN	THEORY	111	111	100%
IT6T4	DATA MINING AND DATA WAREHOUSING	THEORY	111	109	98.19
IT6T5FEB	MAT LAB PROGRAMMING AND APPLICATIONS	THEORY	111	46/47	97.87
IT6T5FEC	INDUSTRIAL ENGINEERING & ENTREPRENEURSHIP	THEORY	111	63/64	98.44
IT6L1	OOAD LAB	PRACTICAL	111	111	100%
IT6L2	DM LAB	PRACTICAL	111	111	100%
IT6L3	COMPUTER GRAPHICS AND ALGORITHMS LAB	PRACTICAL	111	111	100%
IT6L4	PERSONALITY DEVELOPMENT COURSE	PRACTICAL	111	111	100%
IT6L5	SEMINAR	PRACTICAL	111	111	100%
Total			111	102	91.89

IV/IV B. Tech - First Semester

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
IT7T1	MANAGERIAL ECONOMICS AND FINANCIAL ACCOUNTANCY	THEORY	113	112	99.11
IT7T2	SOFTWARE TESTING	THEORY	113	112	99.11
IT7T3	MOBILE COMPUTING	THEORY	113	113	100
IT7T4	DISTRIBUTED OBJECT TECHNOLOGIES	THEORY	113	113	100
IT7T5C	ELEMENTS OF SOFTWARE PROJECT MANAGEMENT	THEORY	113	113	100
IT7T6A	HUMAN COMPUTER INTERACTION	THEORY	113	113	100
IT7L1	MOBILE COMPUTING LAB	PRACTICAL	113	113	100
IT7L2	DISTRIBUTED OBJECT TECHNOLOGIES LAB	PRACTICAL	113	113	100
IT7L3	MINI PROJECT/TERM PAPER AND SEMINAR	PRACTICAL	113	113	100
Total			113	111	98.21

IV/IV B. Tech - Second Semester


SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS%
IT8T1	BIOMETRICS	THEORY	112	112	100%
IT8T2B	BIG DATA ANALYTICS	THEORY	112	112	100%
IT8T3A	ARTIFICIAL INTELLIGENCE	THEORY	112	111	99.11%
IT8PW	PROJECT WORK	PRACTICAL	112	112	100%
Total			112	111	99.11

13. Strengths :

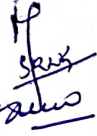
- (1) Teacher Student Ratio and Faculty Retention are good.
- (2) Student success rate is good.
- (3) Monitoring of teaching learning process is good.
- (4) Software development to address the societal problems is noticed.
- (5) Mechanisms and activities for slow learners for their improvement is good.
- (6) Labs are equipped with new equipment with latest technologies.
- (7) Reasonable number of student publications is noticed.

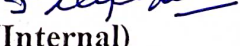
14. Weaknesses and Suggestions for improvement:

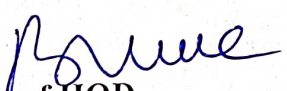
- (1) Faculty interaction with outside world needs to be improved.
- (2) MOU's with Industries and premier Institutions may be improved.
- (3) Industry sponsored laboratories; research centers for excellence may be improved.
- (4) Industry skill development centers may be established for training students.
- (5) MNC's offering high salary package and product development based companies may be invited for improving the salary package.
- (6) Funded/Sponsored Research projects and consultancy may be improved.


Sig. of Departmental Coordinator


Sig. of Academic Auditor

1. (Internal) 

2. (Internal) 


Sig. of HOD


Sig. of IQAC Coordinator

IQAC ACADEMIC AUDIT

ACADEMIC AUDIT REPORT FOR THE ACADEMIC YEAR 2018-19

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: **44**
 - National Journals: **Nil**
 - National Conferences: **Nil**
 - International Conference: **12**
 - Ph.D.
 - Theses Submitted: **01**
 - Awarded: **02**
 - Number of Conferences/Lectures Organized: **01/13**
 - Guiding: **07/** guided Ph.Ds: **Nil**
7. Sponsored projects& amount:
 - Applied: **4**
 - Ongoing: **3**
 - Completed: **Nil**
8. No. of Department Library Printed Books: **706**
 - 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:
 - Dassault's 3D Experience Lab
 - Metrology Lab- Surf Test (SJ-210)
 - CAD Lab –Dell T440 Power Edge Server
 - CAD Lab- Dell Optiplex 5060 MT Desktops without DVD writer
 - MD lab- FFT Analyser
11. Student feedback on Curriculum: **Yes**

12.Result Analysis

I-I

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
ME1T1	ENGINEERING MATHEMATICS	THEORY	105	61	58.1
ME1T2	ENGLISH FOR COMMUNICATION	THEORY	105	104	99.05
ME1T3	ENGINEERING PHYSICS	THEORY	105	63	60
ME1T4	ENVIRONMENTAL STUDIES	THEORY	105	89	84.76
ME1T5	ENGINEERING DRAWING	THEORY	105	91	86.67
ME1T6	ENGINEERING MECHANICS-1	THEORY	105	50	47.62
ME1L1	ENGINEERING PHYSICS LAB	PRACTICAL	105	104	99.05
ME1L2	IT WORKSHOP	PRACTICAL	105	104	99.05
ME1L3	ENGINEERING WORKSHOP	PRACTICAL	105	104	99.05
TOTAL			105	42	40%

I-II

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
ME2T1	ENGINEERING MATHEMATICS-II	THEORY	105	75	71.43
ME2T2	PROFESSIONAL ETHICS	THEORY	105	101	96.19
ME2T3	ENGINEERING CHEMISRTY	THEORY	105	84	80.00
ME2T4	ENGINEERING MECHANICS-II	THEORY	105	57	54.29
ME2T5	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING	THEORY	105	81	77.14
ME2T6	C PROGRAMMING	THEORY	105	80	76.19
ME2L1	ENGINEERING CHEMISRTY LAB	PRACTICAL	105	105	100
ME2L2	ENGLISH LANGUAGE COMMUNICATION SKILLS LAB	PRACTICAL	105	105	100
ME2L3	C PROGRAMMING LAB	PRACTICAL	105	105	100
TOTAL			105	49	46.67

II-I

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
ME3T1	NUMERICAL & STATISTICAL METHODS	THEORY	141	129	91.49
ME3T2	BASIC THERMODYNAMICS	THEORY	141	104	73.76
ME3T3	FLUID MECHANICS & HYDRAULIC MACHINES	THEORY	141	119	84.40
ME3T4	METALLURGY & MATERIAL SCIENCE	THEORY	141	93	65.96
ME3T5	MECHANICS OF SOLIDS – I	THEORY	141	95	67.38
ME3T6	ENGINEERING ECONOMICS	THEORY	141	134	95.04
ME3L1	FLUID MECHANICS & HYDRAULIC MACHINES LAB	PRACTICAL	141	141	100
ME3L2	MECHANICS OF SOLIDS & METALLURGY LAB	PRACTICAL	141	141	100
TOTAL			141	74	52.48%

II-II

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
ME4T1	Mechanics of Solids –II	THEORY	146	111	76
ME4T2	Applied Thermodynamics	THEORY	146	111	76
ME4T3	IC Engines and Gas Turbines	THEORY	146	139	95
ME4T4	Kinematics of Machinery	THEORY	146	128	88
ME4T5	Production Technology	THEORY	146	137	94
ME4T6	Production Technology Lab	THEORY	146	144	99
ME4L1	Electrical And Electronics Engineering Lab	PRACTICAL	146	146	100
ME4L1	Computer Aided Machine Drawing Practice	PRACTICAL	146	146	100
TOTAL			146	92	63.0%

III-I

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
ME5T1	Dynamics of Machinery	THEORY	128	102	80.31
ME5T2	Metal Cutting & Machine Tools	THEORY	128	96	75.59
ME5T3	Heat Transfer	THEORY	128	99	77.95
ME5T4	Engineering Metrology	THEORY	128	103	81.10
ME5T5	Design of Machine Members – I	THEORY	128	115	90.55
ME5T6	CAD/CAM	THEORY	128	117	92.13
ME5L1	Fuels & IC Engines Lab	PRACTICAL	128	127	100
ME5L2	Metrology & Machine Tools Lab	PRACTICAL	128	126	99.21
ME5L3	CAD/CAM Lab	PRACTICAL		127	100
TOTAL			128	76	59.84%

III-II

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
ME6T1	Mechanical Measurements	THEORY	131	123	94
ME6T2	Design of Machine Members - II	THEORY	131	127	97
ME6T3	Operations Research	THEORY	131	122	93
ME6T4	Refrigeration & Air Conditioning	THEORY	131	100	76
ME6T5	Industrial Engineering & Management	THEORY	131	122	93
E6T6FE-A	Air Pollution & Control	THEORY	43	41	95
E6T6FE-B	Introduction to MATLAB	THEORY	38	27	71
E6T6FE-C	Renewable Energy Sources	THEORY	41	38	93
E6T6FE-D	OOPS Through JAVA	THEORY	9	8	89
ME6L1	Metrology & Instrumentation Lab	PRACTICAL	131	131	100
ME6L2	Heat Transfer Lab	PRACTICAL	131	130	99
TOTAL			131	82	62.6%

IV-I

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
ME7T1	Mechatronics	THEORY	117	114	97.44
ME7T2	Production Planning and Control	THEORY	117	114	97.44
ME7T3	Finite Element Methods	THEORY	117	108	92.31
ME7T4C	Mechanical Vibrations	THEORY	44	44	100
ME7T4D	Alternative Sources of Energy	THEORY	73	71	97.26
ME7T5B	Advanced Machining Processes	THEORY	117	115	98.29
ME7L1	Simulation Lab	PRACTICAL	117	117	100
ME7L2	Machine Dynamics Lab	PRACTICAL	117	117	100
ME7L3	Mini Project	PRACTICAL	117	117	100
ME7L4	Seminar	PRACTICAL	117	117	100
TOTAL			117	107	90.60%

IV-II

SUBJECT CODE	SUBJECT NAME	TYPE	REGISTERED	PASSED	PASS %
ME8T1	Power Plant Engineering	THEORY	117	113	97
ME8T2B	Automation in Manufacturing	THEORY	117	112	96
ME8T3B	Automobile Engineering	THEORY	117	112	96
ME8L1	CAD/CAM Lab	PRACTICAL	117	116	99
ME8PW	Project Work	PRACTICAL	117	117	100
TOTAL			117	109	93.2%

13. Strengths:

1. Success rate and faculty cadre ratio are good.
2. Teacher student ratio & faculty experience & faculty retention are good.
3. Some labs are equipped with new equipment with latest technology.
4. Student counseling/Mentoring mechanisms are good.
5. Feedback obtaining process & mechanism for its follow up action are good.
6. Teaching learning monitoring process is good.
7. Professional society activities are good.
8. Initiation towards obtaining IPR is observed.

14. Weaknesses :

1. Faculty interaction with outside world can be improved.
2. Though JNTU-K has recognized department as center outcome is nil.
3. Hardware/Software may be developed to address the societal problems.
4. Funded/Sponsored research projects & consultancy needs substantial improvement.

15. Suggestions for improvement:


1. Though department has good no. of Mou's outcome achieved from them is poor.
2. Faculty contributions towards quality research may be improved.
3. Placements in core Companies may be improved.


Sig. of Departmental Coordinator

Sig. of Academic Auditor


1. (Internal)


2. (Internal)


Sig. of HOD

HEAD

Mechanical Engineering Department
PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VILAYANADA-520 007.


Sig. of IQAC Coordinator