

**RVR & JC COLLEGE OF ENGINEERING
INTERNAL QUALITY ASSURANCE CELL
ACADEMIC AUDIT 2017-18**

Evaluation Sheet

DepartmentName : Department of Civil Engineering
 ProgrammeName : B.Tech, M.Tech- Structural Engineering
 AcademicYear : 2017-18

I. PEO's, PO's and Curriculum		
S. No	Criteria	Observations
1.	PEO's and PO's attainment	yes
2.	Revision in curriculum if any (provide details)	yes
3.	Extent of its satisfaction with curriculum revision	Yes <ul style="list-style-type: none"> • Value added courses added enriched ethics and important legal initiatives • Minor modifications were made to core subjects to make them up to date

II. Faculty information and their contribution		
S. No	Criterion	Observations
1.	Teacher- student ratio	1:19.58
2.	Faculty Cadre ratio	1:0.4:4.8
3.	Faculty qualifications	(5/2/24) <i>M.Tech - 26</i>
4.	Average experience of faculty	Ph.D-5
5.	Faculty contribution in writing:books:chapters:	nil
6.	Members in Editorial boards:	nil
7.	Faculty in professional organizations:	17
8.	Awards/Rewards received:	nil
9.	Industry collaborative projects	nil
10.	Faculty as resource persons in workshops / training activities	4
11.	National level events organized -Conferences:----- -Workshops/ Seminars:----- -FDPs:----- International level events organized -Conferences:----- -Workshops/Seminars:-----	Nil 1 Nil Nil Nil Nil
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process	4

III. Teaching-Learning Process and Evaluation																						
S. No	Criterion	Observations																				
1.	Mechanism and activities for slow learners for their improvement and outcomes	Special classes are conducted for those who got marks less than 50% in First internal exams																				
2.	Student counseling /mentoring mechanism	Each faculty is allotted a group of students from each year and faculty guides them for improvement																				
3.	Tutorial classes	Tutorial classes are conducted for some subjects																				
4.	Monitoring of teaching-learning process -- Assessment of teaching process in classrooms. -- Innovative teaching methods presented if any --Verification of course files	-HoD takes feedback of teachers in student interaction Committee meetings. -In addition to BB, power point and video presentation methods are adopted. -Course files are verified randomly by HoD																				
5.	Training programs conducted for students /Guest lectures/ Seminars/ workshops:	Guest Lectures :7																				
6.	Students feedback	Satisfactory																				
7.	Scope for Self-learning Certified courses Online courses	Available (Nptel, Moocs, Skill Development)																				
8.	Results Analysis: <table border="1" data-bbox="219 982 755 1354"> <tbody> <tr> <td>IV/IV B.Tech(VIII Semester)</td> <td>98.03</td> </tr> <tr> <td>III/IV B.Tech(VI Semester)</td> <td>76.73</td> </tr> <tr> <td>II/IV B.Tech(IV Semester)</td> <td>65.09</td> </tr> <tr> <td>I/IV B.Tech(II Semester)</td> <td>44.44</td> </tr> <tr> <td>I/II M.Tech(II Semester)</td> <td>100</td> </tr> <tr> <td>IV/IV B.Tech(VII Semester)</td> <td>86.98</td> </tr> <tr> <td>III/IV B.Tech(V Semester)</td> <td>74.38</td> </tr> <tr> <td>II/IV B.Tech(I Semester)</td> <td>48.02</td> </tr> <tr> <td>I/IV B.Tech(I Semester)</td> <td>55.23</td> </tr> <tr> <td>I/II M.Tech(II Semester)</td> <td>100</td> </tr> </tbody> </table>	IV/IV B.Tech(VIII Semester)	98.03	III/IV B.Tech(VI Semester)	76.73	II/IV B.Tech(IV Semester)	65.09	I/IV B.Tech(II Semester)	44.44	I/II M.Tech(II Semester)	100	IV/IV B.Tech(VII Semester)	86.98	III/IV B.Tech(V Semester)	74.38	II/IV B.Tech(I Semester)	48.02	I/IV B.Tech(I Semester)	55.23	I/II M.Tech(II Semester)	100	Satisfactory
IV/IV B.Tech(VIII Semester)	98.03																					
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I/IV B.Tech(I Semester)	55.23																					
I/II M.Tech(II Semester)	100																					
9.	Placements :	15																				
10.	Higher studies :	12																				
11.	List of student professional bodies:	IGS, ICI																				

IV. Research, Consultancy and Extension		
S. No	Criterion	Observations
1.	Faculty publications in journals: - National - International	2
2.	Publications in conferences: - National - International	1
3.	PhDs -Registered: Awarded: Pursuing:	6

4.	Funded R&D projects: Applied: Sanctioned: Ongoing: Completed:	nil
5.	Patents applied: Patents awarded:	nil
6.	In-house R&D grants & projects	nil
7.	New research facilities/ laboratory facilities provided	1. Computerized triaxial shear test 2. UV-Visible-Spectrophotometer 3. STADD.Pro V8i & STADD foundation software 5. Ni LAB view professional development software
8.	MOU's with industries/ R&D/ Premier institutes	nil
9.	Research centers of excellence established:	nil

V. Infrastructure and Learning Resources

S. No	Criterion	Observations
1.	Adequacy of infrastructural facilities to improve the teaching learning process Class rooms: Laboratories: ICT class rooms / e- class rooms: Seminar halls:	13 11 13 1
2.	Internet facilities for faculty & Students:	80
3.	Modern / new equipment added in laboratories	1. Computerized triaxial shear test 2. UV-Visible-Spectrophotometer 3. STADD.Pro V8i & STADD foundation software 5. Ni LAB view professional development software
4.	Details of computing facilities and improvement	Yes/ BENTLEY SOFTWARE – STAAD Pro-10 LICENSES
5.	Department level library resources	No of Text books:500 Project reports:100 Journals:25 Books donated by others:27

VI. Student information, Support and Progression		
S. No	Criterion	Observations
1.	Dept. student clubs:	Mind map club
2.	Details of coaching provided for GATE/GRE/any other competitive exams	yes
3.	Industrial visits and internships	108

Academic Audit Report 2017-18

Name of Department: Civil Department

1. No. of full time permanent faculty: 32
2. No. of part time Visiting/temporary contractual faculty: nil
3. No. of PG / UG courses: B.tech civil, Mtech (structures)
4. Curriculum Revisions during the year: yes
5. Research: Publications in Journals; International: 2 National : 0
6. Publications in conferences; International : 1 National : 0
7. Ph.D. Awarded: nil
8. Faculty guiding Ph.D: 4
9. Number of Conferences/Lectures Organized: 8
10. Ongoing Sponsored projects & amount: nil
11. No. of Faculty using ICT and PPTs: 32
12. New Equipment and Infrastructure added:

1. Computerized triaxial shear test
2. UV-Visible-Spectrophotometer
3. STADD.Pro V8i & STADD foundation software
4. Ni LAB view professional development software

13. Student feedback on Curriculum: **Yes/No**

12. Strengths:

(1) Well qualified faculty

(2) Infrastructure

13. Weaknesses:

(1) Practical insight

(2) Industry institute interaction

14. Suggestions for improvement:

(1) More practical problems need to be discussed

(2) Special attention on weak students

Samatha
Departmental Coordinator: (Samatha Chowdary)

Academic Auditors

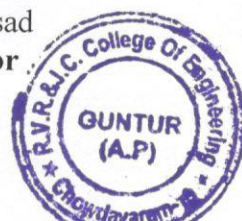
1. Dr. A. Sri Nagesh *A. Sri Nagesh*

2. Dr. Ch. Aparna *Ch. Aparna*

M. Rama Rao
(Dr. M. Rama Rao)
HOD

Dr. A. Srinivas Prasad
Dr. A. Srinivas Prasad
IQAC Coordinator

Dr. K. Srinivasu
Dr. K. Srinivasu
Principal



**RVR & JC COLLEGE OF ENGINEERING
INTERNAL QUALITY ASSURANCE CELL
ACADEMIC AUDIT 2017-18**

Evaluation Sheet

DepartmentName : Chemical Engineering
 ProgrammeName : B.Tech. Chemical Engineering
 AcademicYear : 2017-18

I. PEO's, PO's and Curriculum		
S. No	Criteria	Observations
1.	PEO's and PO's attainment	Satisfactory
2.	Revision in curriculum if any (provide details)	-
3.	Extent of its satisfaction with curriculum revision	-

II. Faculty information and their contribution		
S. No	Criterion	Observations
1.	Teacher- student ratio	22.5
2.	Faculty Cadre ratio	2:1:7
3.	Faculty qualifications	Ph.D -5; M.Tech - 5
4.	Average experience of faculty	14.4 years
5.	Faculty contribution in writing:books:chapters:	====
6.	Members in Editorial boards:	3
7.	Faculty in professional organizations:	9
8.	Awards/Rewards received:	5

9.	Industry collaborative projects	-----
10.	Faculty as resource persons in workshops / training activities	-----
11.	National level events organized -Conferences:-1 -Workshops/ Seminars:-1 -FDPs: International level events organized -Conferences:-nil -Workshops/Seminars:-nil	ChECK – 2018 FDP-1
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process	11

III. Teaching-Learning Process and Evaluation

S. No	Criterion	Observations
1.	Mechanism and activities for slow learners for their improvement and outcomes	1. Remedial classes 2. Counseling
2.	Student counseling /mentoring mechanism	Once in week Counselling is conducted.
3.	Tutorial classes	Conducted tutorial classes
4.	Monitoring of teaching-learning process -- Assessment of teaching process in classrooms. -- Innovative teaching methods presented if any --Verification of course files	<ul style="list-style-type: none"> • Assignments and Quizzes. • Adopting ICT tools • Verified the course files and satisfactory.
5.	Training programs conducted for students /Guest lectures/ Seminars/ workshops:	12
6.	Students feedback	Taken the online feedback - satisfactory
7.	Scope for Self-learning Certified courses Online courses	MOOC course and Internship were made compulsory.
8.	Results Analysis:	IV year final Semester-81.39
9.	Placements :	37
10.	Higher studies :	-----
11.	List of student professional bodies:	RVRJCCE-IChE Students Chapter

IV. Research, Consultancy and Extension		
S. No	Criterion	Observations
1.	Faculty publications in journals: - National -nil - International -5	5
2.	Publications in conferences: - National - nil - International – nil	nil
3.	PhDs -Registered: Awarded: Pursuing:	Pursuing -3
4.	Funded R&D projects: Applied: Sanctioned: Ongoing:- Completed:	Ongoing -2
5.	Patents applied : -- Patents awarded:--	---
6.	In-house R&D grants & projects	---
7.	New research facilities/ laboratory facilities provided	2
8.	MOU's with industries/ R&D/ Premierinstitutes	--
9.	Research centers of excellence established:	---

V. Infrastructure and Learning Resources		
S. No	Criterion	Observations
1.	Adequacy of infrastructural facilities to improve the teaching learning process Class rooms: Laboratories: ICT class rooms / e- class rooms: Seminar halls:	Class Rooms-4 Laboratories – 9 ICT Class rooms – 4 Seminar Halls-1
2.	Internet facilities for faculty & Students:	Available for all students and faculty. Internet facilities is also available in the hostels and city center
3.	Modern / new equipment added in laboratories	2
4.	Details of computing facilities and improvement	ASPEN PLUS software was renewed.
5.	Department level library resources	404 Volumes

VI. Student information, Support and Progression		
S. No	Criterion	Observations
1.	Dept. student clubs:	RVRJCCE-IICChE Students Chapter
2.	Details of coaching provided for GATE/GRE/any other competitive exams	GATE, CRT, Aptitude, Communication Skills classes were conducted
3.	Industrial visits and internships	Industrial visits-4 Internships 41

Academic Audit Report 2017-18

1. Name of Department: Chemical Engineering
2. No. of full time permanent faculty: 10
3. No. of part time Visiting/temporary contractual faculty: nil
4. No. of PG / UG courses: UG Course - 1
5. Curriculum Revisions during the year: Revised
6. Research: Publications in journals; International:-5 National :0
7. Publications in conferences; International :0 National :0
8. Ph.D. Awarded: nil
9. Faculty guiding Ph.D.: 2
10. Number of Conferences/Lectures Organized: ChECK- 1, Guest lectures - 12
11. Ongoing Sponsored projects & amount: 2, Rs. 3.82Laks
12. No. of Faculty using ICT and PPTs:10
13. New Equipment and Infrastructure added: 2
14. Student feedback on Curriculum: Yes/No; Yes
15. **Strengths:**
 - (1) Good Placements
 - (2) Updating licenses for softwares
 - (3) Qualified and experienced faculty.
16. Weaknesses:
 - (1) public awareness
 - (2)
 - (3)
17. Suggestions for improvement:
 - (1) For Research work PG program should be started.
 - (2) To conduct awareness programs for students at intermediate level and for the public

Departmental Coordinator: Dr. D.N.V. Satyanarayana


Academic Auditors

1. Dr.K.S.Sairam

2. Mrs.P.Samatha Chowdary


HOD


IQAC Coordinator


Principal



**RVR & JC COLLEGE OF ENGINEERING
INTERNAL QUALITY ASSURANCE CELL
ACADEMIC AUDIT 2017-18**

Evaluation Sheet

Department Name : Computer Science & Engineering

Programme Name : Bachelor of Technology

Academic Year : 2017 – 18

I. PEO's, PO's and Curriculum		
S. No	Criteria	Observations
1.	PEO's and PO's attainment	The target attainment level for POs is set to 2.05 Except PO 6, all the program outcomes have been attained.
2.	Revision in curriculum if any (provide details)	UG:- No Revision PG:- R17 Curriculum is introduced.
3.	Extent of its satisfaction with curriculum revision	100 %

II. Faculty information and their contribution		
S. No	Criterion	Observations
1.	Teacher- student ratio	UG - 27.92 PG - 15
2.	Faculty Cadre ratio	Professors – 4 Assoc.Professors – 8 Asst.Professors – 18
3.	Faculty qualifications	Ph.D. – 7 M.TECH. – 23
4.	Average experience of faculty	11.55 Years
5.	Faculty contribution in writing:books:chapters:	NIL
6.	Members in Editorial boards:	Nil
7.	Faculty in professional organizations:	38 Memberships
8.	Awards/Rewards received:	Nil
9.	Industry collaborative projects	NIL
10.	Faculty as resource persons in workshops / training activities	3 Members have delivered talks for 5 events.

11.	National level events organized -Conferences: -Workshops/ Seminars: -FDPs: International level events organized -Conferences: -Workshops/Seminars:	Workshops 7(staff) + 2(students)
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process	73

III. Teaching-Learning Process and Evaluation

S. No	Criterion	Observations
1.	Mechanism and activities for slow learners for their improvement and outcomes	Bridge classes are arranged for lateral entry students to prepare them to understand the concepts that are taught to other students before they join. The department conducts remedial classes for the identified poor performers in the respective subjects.
2.	Student counseling /mentoring mechanism	Conducted
3.	Tutorial classes	Conducted
4.	Monitoring of teaching-learning process -- Assessment of teaching process in classrooms. -- Innovative teaching methods presented if any --Verification of course files	Assessed through Student feedback Course files verified
5.	Training programs conducted for students /Guest lectures/ Seminars/ workshops:	10
6.	Students feedback	Collected
7.	Scope for Self-learning Certified courses Online courses	Total no.of certifications – 338
8.	Results Analysis:	98.57%
9.	Placements :	114 students placed Total No. of Placements - 141
10.	Higher studies :	25
11.	List of student professional bodies:	ACM Student Chapter Established in 2017 -18 Activities – 5

IV. Research, Consultancy and Extension		
S. No	Criterion	Observations
1.	Faculty publications in journals: - National - - International	National – 0 International – 15
2.	Publications in conferences: - National - International	National – 1 International – 5
3.	PhDs -Registered: Awarded: Pursuing:	Registered: 02 Pursuing: 12 Awarded: 01
4.	Funded R&D projects: Applied: Sanctioned: Ongoing: Completed:	Nil
5.	Patents applied : Patents awarded:	Nil
6.	In-house R&D grants & projects	Nil
7.	New research facilities/ laboratory facilities provided	IoT Lab established for 30 members
8.	MOU's with industries/ R&D/ Premier institutes	10 MoUs are in force
9.	Research centers of excellence established:	Nil

V. Infrastructure and Learning Resources		
S. No	Criterion	Observations
1.	Adequacy of infrastructural facilities to improve the teaching learning process Class rooms: Laboratories: ICT class rooms / e- class rooms: Seminar halls:	Class rooms – 21 Laboratories – 8 + 1(City center) ICT Class Rooms – 13 e- Class Rooms – 1 Seminar Hall - 1
2.	Internet facilities for faculty & Students:	Provided
3.	Modern / new equipment added in laboratories	Core i3 7100 PCs – 109 HP Scanners – 3 HP Laptop s 6006 – 10 Web cams – 60 units Kaspersky anti virus – 3 years Micro soft campus agreement renewal – 1 year Communication Skill lab software – 70 systems Lab View software
4.	Details of computing facilities and improvement	ACC Lab – 106 PCs C1 – 31 PCs C2 – 43 PCs C3 – 74 PCs C4 – 52 PCs Wireless Lab – 25 PCs

		Communication Skills Lab – 66 PCs E-Learning – 76 PCs City Centre – 131 PCs Servers – 4+1 units
5.	Department level library resources	Titles – 1100 Volumes – 1535 CDs - 750

VI. Student information, Support and Progression

S. No	Criterion	Observations
1.	Dept. student clubs:	Tech Club Coding Club
2.	Details of coaching provided for GATE/GRE/any other competitive exams	Nil
3.	Industrial visits and internships	2017-18 – 66 2018 – 19 – 206

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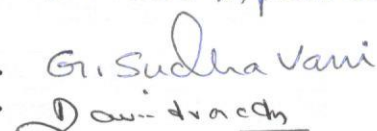
1. Name of Department: Computer Science & Engineering
2. No. of full time permanent faculty: 30
3. No. of part time Visiting/temporary contractual faculty: Nil
4. No. of PG / UG courses: UG: 01 PG:01
5. Curriculum Revisions during the year: R17 Curriculum is introduced for PG.

Programming & Problem solving with Python Course is offered as Industry Elective

6. Research: Publications in journals; International : 15 National : 0
7. Publications in conferences; International : 05 National : 01
8. Ph.D. Awarded: 01
9. Faculty guiding Ph.D: 05
10. Number of Conferences/Lectures Organized: 7(staff) + 12(students)
11. Ongoing Sponsored projects & amount: Nil
12. No. of Faculty using ICT and PPTs: 30
13. New Equipment and Infrastructure added: IoT Lab, Core i3 7100 PCs – 109, HP Scanners – 3,
HP Laptop s 6006 – 10, Web cams – 60 units
14. Student feedback on Curriculum: Yes
15. Strengths :
 - (1) Good Placement Record
 - (2) Qualified Teaching Faculty
 - (3) Experienced Supporting Staff
16. Weaknesses :
 - (1) Research Progress is poor
 - (2) No external agency funded projects
17. Suggestions for improvement:
 - (1) More effort from faculty to improve the research publications is required
 - (2) Placement average pay is to be improved

Departmental Coordinator: Dr. Ch. Aparna 

Academic Auditors 1. G. Sudha Vani

2. 




HOD


IQAC Coordinator




Principal

**RVR & JC COLLEGE OF ENGINEERING
INTERNAL QUALITY ASSURANCE CELL
ACADEMIC AUDIT 2017-18**

Evaluation Sheet

Department Name : Electronics & Communication Engineering

Programme Name : Bachelor of Technology

Academic Year : 2017 – 18

I. PEO's, PO's and Curriculum		
S. No	Criteria	Observations
1.	PEO's and PO's attainment	All POs are attained to the target level. PEOs are evaluated
2.	Revision in curriculum if any (provide details)	UG:- No Revision PG:- R17 Curriculum is introduced
3.	Extent of its satisfaction with curriculum revision	Yes

II. Faculty information and their contribution		
S. No	Criterion	Observations
1.	Teacher- student ratio (3 x 216/45)	14.4 (excluding 1 st year)
2.	Faculty Cadre ratio	Professors – 4 Assoc. Professors – 3 Asst. Professors – 40
3.	Faculty qualifications	Ph.D. – 4 M.Tech. – 43
4.	Average experience of faculty	7.02 Years
5.	Faculty contribution in writing:books:chapters:	Nil
6.	Members in Editorial boards:	Nil
7.	Faculty in professional organizations:	34
8.	Awards/Rewards received:	Nil
9.	Industry collaborative projects	Nil
10.	Faculty as resource persons in workshops / training activities	Nil
11.	National level events organized -Conferences: -Workshops/ Seminars: -FDPs: International level events organized -Conferences: -Workshops/Seminars:	Nil
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process	Workshops-22

III. Teaching-Learning Process and Evaluation																	
S. No	Criterion	Observations															
1.	Mechanism and activities for slow learners for their improvement and outcomes	Bridge classes are arranged for lateral entry students to understand the concepts that were taught to other students before they join. The department conducts remedial classes for the identified poor performers in the respective subjects.															
2.	Student counseling /mentoring mechanism	Conducted															
3.	Tutorial classes	Conducted															
4.	Monitoring of teaching-learning process -- Assessment of teaching process in classrooms. -- Innovative teaching methods presented if any --Verification of course files	Assessed through Student feedback Course files verified															
5.	Training programs conducted for students /Guest lectures/ Seminars/ workshops:	06 – Guest lectures															
6.	Students feedback	Collected															
7.	Scope for Self-learning Certified courses Online courses	Total no. of certifications –20															
8.	Results Analysis in %:	<table border="1"> <thead> <tr> <th></th> <th>I – sem</th> <th>II – sem</th> </tr> </thead> <tbody> <tr> <td>Ist Year</td> <td>87.07</td> <td>89.88</td> </tr> <tr> <td>IInd Year</td> <td>73.36</td> <td>66.50</td> </tr> <tr> <td>IIIrd Year</td> <td>86.73</td> <td>87.14</td> </tr> <tr> <td>IVth Year</td> <td>92.96</td> <td>99.00</td> </tr> </tbody> </table>		I – sem	II – sem	I st Year	87.07	89.88	II nd Year	73.36	66.50	III rd Year	86.73	87.14	IV th Year	92.96	99.00
	I – sem	II – sem															
I st Year	87.07	89.88															
II nd Year	73.36	66.50															
III rd Year	86.73	87.14															
IV th Year	92.96	99.00															
9.	Placements :	117/210 = 55.71%															
10.	Higher studies :	42															
11.	List of student professional bodies:	01- IETE															

IV. Research, Consultancy and Extension		
S. No	Criterion	Observations
1.	Faculty publications in journals: - National - - International	National – 0 International – 15
2.	Publications in conferences: - National - International	National – 0 International – 07
3.	PhDs -Registered: Awarded: Pursuing:	Registered: 01 Pursuing: 08 Awarded: Nil
4.	Funded R&D projects: Applied: Sanctioned: Ongoing: Completed:	Nil
5.	Patents applied : Patents awarded:	Nil
6.	In-house R&D grants & projects	Nil

7.	New research facilities/ laboratory facilities provided	Yes
8.	MOU's with industries/ R&D/ Premier institutes	06
9.	Research centers of excellence established	ANU recognized research center in department

V. Infrastructure and Learning Resources

S. No	Criterion	Observations
1.	Adequacy of infrastructural facilities to improve the teaching learning process Class rooms: Laboratories: ICT class rooms / e- class rooms: Seminar halls:	Class rooms – 13 Laboratories – 11 ICT Class Rooms – 13 e- Class Rooms – Nil Seminar Hall - 1
2.	Internet facilities for faculty & Students:	Provided
3.	Modern / new equipment added in laboratories	Digital Systems Lab: LabVIEW software -1 Compact RIO based Vision system - 1 Machine Vision System – 2 my Rio – 5 M & AC lab: NI USRP Software Defined Radio – 2 Fibre Optic Analog & Digital Link – 2
4.	Details of computing facilities and improvement	Digital Systems Lab – 50 Pcs CC – 9 Pcs CSL – 5 Pcs
5.	Department level library resources	Titles – 662 Volumes – 662 CDs - 580

VI. Student information, Support and Progression

S. No	Criterion	Observations
1.	Dept. student clubs:	RAJECEA – 2 events
2.	Details of coaching provided for GATE/GRE/any other competitive exams	GATE Classes are conducted in IV year II nd semester
3.	Industrial visits and internships	Industrial visits - 01 Internships – B.Tech -15 M.Tech - 9

Academic Audit Report 2017-18

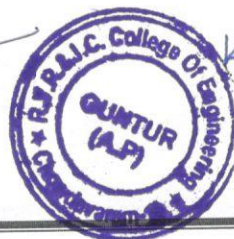
1. Name of Department: Electronics and Communication Engineering
2. No. of full time permanent faculty: 47
3. No. of part time Visiting/temporary contractual faculty: Nil
4. No. of PG / UG courses: UG: 01 PG:01
5. Curriculum Revisions during the year: 1- PG revision
6. Research: Publications in journals; International : 15 National :-
7. Publications in conferences; International : 07 National : -
8. Ph.D. Awarded: Nil
9. Faculty guiding Ph.D: 04
10. Number of Conferences/Lectures Organized: 6 (students)
11. Ongoing Sponsored projects & amount: Rs 9,02,800/- (completed)
12. No. of Faculty using ICT and PPTs: 34
13. New Equipment and Infrastructure added: Yes
14. Student feedback on Curriculum: Yes
15. Strengths :
 - (1) Quality and experience faculty
 - (2) Good placement record
 - (3) Good laboratories
16. Weaknesses :
 - (1) No external agency funded projects
 - (2) Less number of conferences organized by the department
 - (3) No patents
 - (4) No consultancy
17. Suggestions for improvement:
 - (1) Suggested to improve research
 - (2) Need to conduct more number of conferences
 - (3) Suggested to apply for patents.

Departmental Coordinator: *G. Sudhakarani*

Academic Auditors 1. *K. Radha Rao*
2. *[Signature]*

[Signature]
HOD

[Signature]
IQAC Coordinator



[Signature]
Principal

**RVR & JC COLLEGE OF ENGINEERING
INTERNAL QUALITY ASSURANCE CELL
ACADEMIC AUDIT 2017-18**

Evaluation Sheet

Department Name : Electrical & Electronics Engineering

Programme Name : B. Tech

Academic Year : 2017-2018

I. PEO's, PO's and Curriculum		
S. No	Criteria	Observations
1.	PEO's and PO's attainment	All POs are attained to the target level. PEOs are not evaluated- PSOs are evaluated and are attained to the target level.
2.	Revision in curriculum if any (provide details)	Yes, Curriculum is framed for M.Tech in Power Systems Engineering (PSE) course according to R17 regulations(PG) under autonomous system.
3.	Extent of its satisfaction with curriculum revision	The curriculum is framed as per the AICTE guide lines and by taking Indian top universities curriculum into consideration.

II. Faculty information and their contribution		
S. No	Criterion	Observations
1.	Teacher- student ratio	UG- 25/(216*3+180) 1:33 2- PG
2.	Faculty Cadre ratio	3:3:21 [total:27]
3.	Faculty qualifications	Faculty with PhD:5 Faculty with M.Tech:22 Faculty registered for PhD: 6
4.	Average experience of faculty	9 Years
5.	Faculty contribution in writing:books:chapters:	Nil
6.	Members in Editorial boards:	5
7.	Faculty in professional organizations:	22

	Awards/Rewards received:	2 Two staff members are rewarded as Top performers of eight week AICTE approved FDP201X from IIT Bombay.
9.	Industry collaborative projects	Nil
10.	Faculty as resource persons in workshops / training activities	Nil
11.	National level events organized -Conferences: -Workshops/ Seminars: -FDPs: International level events organized -Conferences: -Workshops/Seminars:	1 IIT Kharagpur Two week ISTE-STTP on "Electric Power System" during 10 th to 15 th July 2017.
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process	60

III. Teaching-Learning Process and Evaluation		
S. No	Criterion	Observations
1.	Mechanism and activities for slow learners for their improvement and outcomes	Remedial classes are conducted for slow learners.
2.	Student counseling /mentoring mechanism	Yes, mentoring mechanism is there in the department.
3.	Tutorial classes	Conducted as per time table.
4.	Monitoring of teaching-learning process -- Assessment of teaching process in classrooms. -- Innovative teaching methods presented if any --Verification of course files	Feed back is taken from students at the end of each semester. Yes, faculty are using ICT tools Yes, Course files and Course Assessment Reports are verified at the end of each academic year.
5.	Training programs conducted for students /Guest lectures/ Seminars/ workshops:	Guest lectures: 2 Training programs: 9
6.	Students feedback	Feed back is taken from students at the end of each semester.
7.	Scope for Self-learning Certified courses Online courses	MOOCS course is mandatory as per curriculum according to R16 regulations. NPTEL online depository videos are made available to the students.
8.	Results Analysis:	I year – Isem: 82.94 II sem: 64.71 II year – I sem: 74.27 II sem:57.28

		III year – Isem: 84.31 II sem:81.0 IV year – Isem: 93.17 II sem: 96.61
9.	Placements :	82 members are placed out of 209 students
10	Higher studies :	14
11	List of student professional bodies:	IEEE student branch, ISTE student chapter

IV. Research, Consultancy and Extension		
S. No	Criterion	Observations
1.	Faculty publications in journals: - National - International	Nil [NJ] 27 [IJ]
2.	Publications in conferences: - National - International	Nil [NC] 4 [IC]
3.	PhDs -Registered: Awarded: Pursuing:	01 03 [Dr. KCS] 03
4.	Funded R&D projects: Applied: Sanctioned: Ongoing: Completed:	2 [RPS, MODROBS] Nil Nil NA
5.	Patents applied : Patents awarded:	Nil
6.	In-house R&D grants & projects	Nil
7.	New research facilities/ laboratory facilities provided	Labview Software, New server, Desktop i3 systems-(60), Laptops-(4), Windows License-(40), 15kVA UPS-(1)
8.	MOU's with industries/ R&D/ Premier institutes	25
9.	Research centers of excellence established:	ANU recognized research centre in the department

Infrastructure and Learning Resources		
S. No	Criterion	Observations
1.	Adequacy of infrastructural facilities to improve the teaching learning process Class rooms: Laboratories: ICT class rooms / e- class rooms: Seminar halls:	13 11 13[all class rooms are equipped with LCDs] Nil
2.	Internet facilities for faculty & Students:	Yes
3.	Modern / new equipment added in laboratories	Labview Software, New server, Desktop i3 systems-(60), Laptops-(4), Windows License-(40), 15kVA UPS-(1)
4.	Details of computing facilities and improvement	Two computer labs exclusively for EEE Department. 80+40 = 120 systems – core i3 processors Micro processor lab also has 60 systems which can also be used for computing
5.	Department level library resources	Number of Titles: 495(Dept. Lib.) 1496(Central Lib.) Number of Volumes: 631(Dept. Lib.) 8563(Central Lib.)

VI. Student information, Support and Progression		
S. No	Criterion	Observations
1.	Dept. student clubs:	Renewable energy club, RAJEEEA
2.	Details of coaching provided for GATE/GRE/any other competitive exams	GATE classes are conducted for final year students.
3.	Industrial visits and internships	Industrial visits: 2 Internships: 278

Academic Audit Report 2017-18

1. Name of Department: Department of Electrical & Electronics Engineering
2. No. of full time permanent faculty: 27
3. No. of part time Visiting/temporary contractual faculty: Nil
4. No. of PG / UG courses: 1 UG course – B.Tech in EEE
1 PG course – M. Tech in PSE
5. Curriculum Revisions during the year: One revision
6. Research: Publications in journals; International : 27 [IJ] National : 0 [NJ]
7. Publications in conferences; International : 4 [IC]
National : Nil
8. Ph.D. Awarded: 3
9. Faculty guiding Ph.D: 3
10. Number of Conferences/Lectures Organized: 2 lectures
11. Ongoing Sponsored projects & amount: Nil
12. No. of Faculty using ICT and PPTs:
13. New Equipment and Infrastructure added:

Labview Software, New server, Desktop i3 systems-(60), Laptops-(4), Windows License-(40), 15KVA UPS-(1)

14. Student feedback on Curriculum: Yes/No YES

15. Strengths :

- (1) More Experienced faculty
- (2) Laboratories with modern equipment
- (3)

16. Weaknesses :

- (1) No external R& D projects in this AY
- (2) No patents
- (3) Consultancy

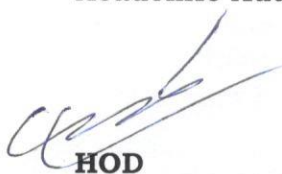
17. Suggestions for improvement:

- (1) More focus is required in R&D and consultancy works
- (2) Staff could file for patents
- (3) Students results and placements could be improved

Departmental Coordinator: Dr. N. C. Kotaiah

Academic Auditors

1. Dr. G. Rama Mohan Babu (IT)
2. Dr. M. Pomppapathi (IT)


HOD


IQAC Coordinator




Principal

**RVR & JC COLLEGE OF ENGINEERING
INTERNAL QUALITY ASSURANCE CELL
ACADEMIC AUDIT 2017-18**

Evaluation Sheet

Department Name : **INFORMATION TECHNOLOGY**

Programme Name : **B.Tech.(IT), M.Tech.(CST)**

Academic Year : **2017-2018**

I. PEO's, PO's and Curriculum		
S.No	Criterion	Observations
1.	PEO's and PO's attainment	<ul style="list-style-type: none"> Department attained all the POs with 2017-18 passed out batch except PO6, PO8, PO10, and PO11 due to the few courses included in the curriculum related to those POs. PSOs are evaluated and attained all the PSOs with target level 1.9 and PEO's are not evaluated.
2.	Revision in curriculum if any (provide details)	<ul style="list-style-type: none"> Revisions in curriculum is carried with M.Tech.(CST) and implemented R17 Regulations for M.Tech from 2017-2018 onwards. In R17 Regulations few courses having focus on Rsearch/employability/ entrepreneurship/ skill development are also introduced. In R17 MOOCs courses, Internships are made compulsorily.
3.	Extent of its satisfaction with curriculum revision	<ul style="list-style-type: none"> Based on syllabus from 2013- University regulations, credit based R17 regulations are implemented with 71.25% change of syllabus content. Based on syllabus from R12 regulations, choice based credit system is introduced in 2016 with change of percentage 36.89% in the curriculum for B.Tech.(IT). In R16 Regulations few courses having focus on employability/ entrepreneurship/skill development are also introduced.

II. Faculty information and their contribution		
S.No	Criterion	Observations
1.	Teacher- student ratio	01:20
2.	Faculty Cadre ratio	<ul style="list-style-type: none"> Professors: 03 Associate Professors 05 Assistant Professors:14
3.	Faculty qualifications	<ul style="list-style-type: none"> No. of faculty with Ph.D.:06 M.Tech.: 16

4.	Average experience of faculty	15 Years
5.	Faculty contribution in writing: ...1..books:chapters:	Three faculty members authored a book with LAP publisher in digital image processing concepts..
6.	Members in Editorial boards:	NIL
7.	Faculty in professional organizations:	<ul style="list-style-type: none"> Most of the faculty members are registered with professional bodies such as CSI, ISTE, IEI, IAENG, IACSIT...etc.
8.	Awards/Rewards received:	<ul style="list-style-type: none"> 12 faculty members are recognized as top performers in MOOCs courses conducted by IIT Bombay.
9.	Industry collaborative projects	-
10.	Faculty as resource persons in workshops / training activities	-
11.	National level events organized -Conferences: -Workshops/ Seminars: -FDPs: International level events organized -Conferences: -Workshops/Seminars:	<ul style="list-style-type: none"> Organized a National Level Student meet CIS'SSOIREE 2018 on 5th & 6th January, 2018 in association with CSE and CA.
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process	<ul style="list-style-type: none"> 46 FDPs / workshops/Seminars are attended by the faculty during 2017-18.

III. Teaching-Learning Process and Evaluation		
S. No	Criterion	Observations
1.	Mechanism and activities for slow learners for their improvement and outcomes	For slow learners, department adopted remedial classes by senior faculty, performance is further monitored through counseling in order to improve the learning skills.
2.	Student counseling /mentoring mechanism	<ul style="list-style-type: none"> Once student admission process is completed FOUR to FIVE students are allocated to each faculty member for counseling. Mentor interacts with mentees twice in a semester to discuss about any problems they are facing within the college and outside the college.
3.	Tutorial classes	<ul style="list-style-type: none"> Based on scheme of curriculum tutorial classes allocated for few courses based on the credits of that course and included the same in the time table.
4.	Monitoring of teaching-learning process -- Assessment of teaching process in classrooms. -- Innovative teaching methods presented if any --Verification of course files	<ul style="list-style-type: none"> Assessment about teaching in a class room by faculty is collected during interaction committee meetings, and through personal contact also. Department faculty adopted ICT based teaching and other pedagogical methods also. HOD will verify course files prepared by the faculty frequently during the commencement of semester.
5.	Training programs conducted for students /Guest lectures/ Seminars/ workshops:	<ul style="list-style-type: none"> FIVE guest lectures and SIX training programs are conducted to the students of the department.

6.	Students feedback	<p>Feed-back is collected from the students for identifying the strengths and weaknesses in instruction, and for planning the remedial instruction within and beyond the curriculum. Feedback is made through</p> <ul style="list-style-type: none"> • Class interaction meetings • Student counseling • Student feedback forms • Course-end surveys • Exit surveys
7.	Scope for Self-learning Certified courses Online courses	<ul style="list-style-type: none"> • The department always encourages to enroll for MOOCs courses for improving self-learning skills by giving necessary guidelines and facilities to the student. 10 students have completed MOOCs course conducted by NPTEL.
8.	Results Analysis:	<p>B.Tech.(IT) :</p> <p>I year I Sem: 70.33% I Year II sem: 68.10 (Y17) II year I Sem: 86.20% II Year II sem:85.34 (Y16) III year I Sem:88.79% III Year II sem:91.15%(Y15) IV year I Sem: 84.68% IV Year II sem:92.79%(Y14)</p> <p>M.Tech.(CST):</p> <p>I Year I SEM: 100% I Year II Sem:100%(Y17) II Year III SEM: 100% II Year IV Sem:100%(Y16)</p>
9.	Placements :	65 students placed during 2017-18.
10.	Higher studies :	09 students opted for pursuing M.Tech./MS.
11.	List of student professional bodies:	<ul style="list-style-type: none"> • CSI Institute membership • IEEE student chapter • ISTE Student chapter

IV. Research, Consultancy and Extension

S. No	Criterion	Observations
1.	Faculty publications in journals:	National : 00 International : 15
2.	Publications in conferences:	National:00 International: 04
3.	PhDs -Registered: Awarded: Pursuing:	TEN faculty members are pursuing Ph.D. from various universities.
4.	Funded R&D projects: Applied: 02 Sanctioned: - NIL Ongoing: - 01 Completed: - 01	ONE UGC MRP Project is ongoing and completed in the month of JAN 2018.
5.	Patents applied : - Patents awarded: -	NIL
6.	In-house R&D grants & projects	-
7.	New research facilities/ laboratory facilities provided	-
8.	MOU's with industries/ R&D/ Premier institutes	-

9.	Research centers of excellence established:	-
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V. Infrastructure and Learning Resources

S. No	Criterion	Observations
1.	Adequacy of infrastructural facilities to improve the teaching learning process Class rooms: 10 Laboratories:04 ICT class rooms / e- class rooms:08 Seminar halls:	Adequate facilities are available for teaching-learning process.
2.	Internet facilities for faculty & Students:	<ul style="list-style-type: none"> • Available and allowed to access by both students and staff. • Internet access is provided with speed of 300 Mbps ILL service provided by BSNL Ltd on payment basis. • Internet access is provided with speed of 40 Mbps NMEICT connection provided by BSNL Ltd on payment basis.
3.	Modern / new equipment added in laboratories	<ul style="list-style-type: none"> • 20 desktop systems INTEL CORE i3 16 GB RAM , 1 TB hard disk , and with latest configuration are added to the department.
4.	Details of computing facilities and improvement	<ul style="list-style-type: none"> • 213 desktop systems and 05 servers are available for computing power
5.	Department level library resources	<ul style="list-style-type: none"> • Total of 541 titles are available in the department library

VI. Student information, Support and Progression

S. No	Criterion	Observations
1.	Dept. student clubs:	Department has TWO Technical clubs and conducts one event per academic year. 1. InformaTrix 2. Gnome Club
2.	Details of coaching provided for GATE/GRE/any other competitive exams	Department conducts coaching for GATE exam by senior faculty members during first and second semesters of Final year students.
3.	Industrial visits and internships	<ul style="list-style-type: none"> • Industrial visits: 01 • No.of Internships: 11

Academic audit Report 2017-18

1. Name of the Department : **INFORMATION TECHNOLOGY**
2. No.of full time permanent faculty: 22
3. No.of part time Visiting/temporary contractual faculty: NIL
4. No.of PG/UG courses: 02 (1.B.Tech.(IT) 2.M.Tech.(CST)
5. Curriculum Revisions during the year: Revisions on M.Tech. curriculum has been done and implemented from 2017-2018 admitted batch.
6. Research: Publications in Journals; International: 15 National: -
7. Publications in Conferences; International: 04 National: -
8. Ph.D. Awarded: NIL
9. Faculty guiding Ph.D.: 05
10. Number of Conferences/Lectures organized: 06
11. Ongoing Sponsored projects & Amount: Sanctioned UGC MRP project, with amount Rs.10,25,000 has been completed.
12. No. of Faculty using ICT and PPTs: 21
13. New Equipment and Infrastructure added: NIL
14. Student feedback on curriculum: Yes/No YES
15. Strengths:
 - (1) Department has one R & D project project and implemented successfully.
 - (2) Dedicated and experienced faculty
 - (3) Plan, Implementation, and Execution of teaching Learning process in the department is good.
16. Weaknesses:
 - (1) Student internships needs to be improved.
 - (2) Improvement is to be made with publications.
17. Suggestions for Improvement:
 - (1) Suggested to apply for various UGC/DST/AICTE/...etc., R&D Projects.
 - (2) Suggested to attain all the POs.

Departmental Coordinator:

M. Pomperalk

Academic auditors: 1.

V. chittarangaiah

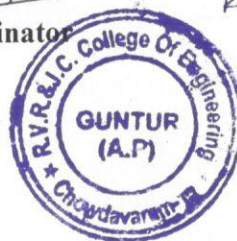
2.

G. Babu

A. Srikishna
HOD

Asmi
IQAC Coordinator

K. Suman
Principal



**RVR & JC COLLEGE OF ENGINEERING
INTERNAL QUALITY ASSURANCE CELL
ACADEMIC AUDIT 2017-18**

Evaluation Sheet

Department Name : Department of Management Sciences
 Programme Name : MBA
 Academic Year : 2017-18

I. PEO's, PO's and Curriculum		Observations
S.No	Criteria	
1.	PEO's and PO's attainment	Attained for all the courses
2.	Revision in curriculum if any (provide details)	Curriculum is revised yearly once
3.	Extent of its satisfaction with curriculum revision	Satisfactory

II. Faculty information and their contribution		
S. No	Criterion	Observations
1.	Teacher- student ratio	1:20
2.	Faculty Cadre ratio	1:2:9
3.	Faculty qualifications	6- Ph.D's, 1- M.phil., 1- Ph.D submitted 2 - waiting to join Ph.D.,
4.	Average experience of faculty	17.5
5.	Faculty contribution in writing:books:chapters:	Books Published: 6 Chapters: Nil
6.	Members in Editorial boards: 3	Three members in editorial board
7.	Faculty in professional organizations:	10
8.	Awards/Rewards received:	Nil
9.	Industry collaborative projects	NIL
10.	Faculty as resource persons in workshops / training activities	NIL

11.	National level events organized -Conferences: -Workshops/ Seminars: -FDPs: International level events organized -Conferences: -Workshops/Seminars:	NIL
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process	08

III. Teaching-Learning Process and Evaluation		
S. No	Criterion	Observations
1.	Mechanism and activities for slow learners for their improvement and outcomes	Extra classes are conducted for slow learners
2.	Student counseling /mentoring mechanism	Each faculty is allocated with 20 students for counselling and mentoring
3.	Tutorial classes	Tutorial classes are conducted for the courses where there is high failure rate
4.	Monitoring of teaching-learning process -- Assessment of teaching process in classrooms. -- Innovative teaching methods presented if any --Verification of course files	Through student feedback Case studies, Powepoint presentations Using Moodle Through Intneral Auditors
5.	Training programs conducted for students /Guest lectures / Seminars/ workshops:	06
6.	Students feedback	Student feedback is taken for all the courses every semester
7.	Scope for Self-learning Certified courses Online courses	NPTEL, NCFM etc.,
8.	Results Analysis:	Result analysis is done for every semester
9.	Placements :	32 students are placed
10.	Higher studies :	Nil
11.	List of student professional bodies:	Nil

V. Research, Consultancy and Extension

S. No	Criterion	Observations
1.	Faculty publications in journals: - National 5 - International 29	
2.	Publications in conferences: - National - International	
3.	PhDs -Registered: Nil	
4.	Funded R&D projects: Applied: Sanctioned: Ongoing: Completed :	Nil
5.	Patents applied : Patents awarded:	Nil
6.	In-house R&D grants & projects	Nil
7.	New research facilities/ laboratory facilities provided	Nil
8.	MOU's with industries/ R&D/ Premier institutes	Nil
9.	Research centers of excellence established:	Nil

V. Infrastructure and Learning Resources

S. No	Criterion	Observations
1.	Adequacy of infrastructural facilities to improve the teaching learning process Class rooms: 4 Laboratories: 01 ICT class rooms / e- class rooms: 01 Seminar halls: 01	04 Class rooms, 01 laboratory 01 E-class room 01 Seminar Hall
2.	Internet facilities for faculty & Students:	Yes
3.	Modern / new equipment added in laboratories	Yes
4.	Details of computing facilities and improvement	Not Applicable
5.	Department level library resources	Avaiable

VI. Student information, Support and Progression

S. No	Criterion	Observations
1.	Dept. student clubs: Business Quiz, Market Makers, Smart Manager, Dalaal Ka Kamaal	04 clubs
2.	Details of coaching provided for GATE/GRE/any other competitive exams	Quantitative Aptitude, General Knowledge classes are conducted
3.	Industrial visits and internships	Yes, Students are taken For 2 industrial visits and All students Sent for internship

Academic Audit Report 2017-18

Department of Management Science

1. No. of full time permanent faculty: 12
2. No. of part time Visiting/temporary contractual faculty: 5(1- M&H, 2- MCA, 1- QA, 1- Gk)
3. No. of PG / courses: 1
4. Curriculum Revisions during the year: Twice
5. Research: Publications in journals; International : 29 National : 5
6. Publications in conferences; International : National :
7. Ph.D. Awarded:
8. Faculty guiding Ph.D: 03
9. Number of Conferences/Lectures Organized: 06
10. Ongoing Sponsored projects & amount: Nil
11. No. of Faculty using ICT and PPTs: 11
12. New Equipment and Infrastructure added: Nil

13. Student feedback on Curriculum: **No**

12. Strengths :

- (1) Highly-trained faculty.
- (2) High graduation percentages and ranks in ICET
- (3) Diversity in MBA program enrollment
- (4) Academia-Industry interaction and career opportunities
- (5) An abundance of co-curricular activities
- (6) Graduates offered with dual specialization

13. Weaknesses :

- (1) Rural based students
- (2) Limited scholarships

14. Suggestions for improvement:

- (1)
- (2)
- (3)

Departmental Coordinator: *K. Ramesh chandra*

Academic Auditors

1. *K. Ramesh chandra*

2. *A. S. Srinivas*

K. Ramesh chandra
HOD

A. S. Srinivas
IQAC Coordinator

K. Srinivas
Principal

Dr. HEAD & PROFESSOR
Dept. of Management Sciences
R.V.R. & J.C. College of Engineering
Chowdavaram, GUNTUR-19.



**RVR & JC COLLEGE OF ENGINEERING
INTERNAL QUALITY ASSURANCE CELL
ACADEMIC AUDIT 2017-18**

Evaluation Sheet

Department Name : Computer Applications
Programme Name : MCA
Academic Year : 2017-2018

I. PEO's, PO's and Curriculum		
S.No	Criteria	Observations
1.	PEO's and PO's attainment	Suggested to compute attainment
2.	Revision in curriculum if any (provide details)	Yes, revised. 51.74% of the syllabus is revised.
3.	Extent of its satisfaction with curriculum revision	100%

II. Faculty information and their contribution		
S.No	Criterion	Observations
1.	Teacher- student ratio	1:23
2.	Faculty Cadre ratio	1:3:12
3.	Faculty qualifications	Ph.D/M.Tech/MCA
4.	Average experience of faculty	11 years
5.	Faculty contribution in writing:books:chapters:	Books: 0 Chapters:1
6.	Members in Editorial boards:	NIL
7.	Faculty in professional organizations:	13(CSI,ISTE,IAENG)
8.	Awards/Rewards received:	0

9.	Industry collaborative projects	NIL
10.	Faculty as resource persons in workshops / training activities	NIL
11.	National level events organized -Conferences: -Workshops/ Seminars: -FDPs: International level events organized -Conferences: -Workshops/Seminars:	NIL
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process	Conferences-6 Workshops /FDP-34

III. Teaching-Learning Process and Evaluation		
S.No	Criterion	Observations
1.	Mechanism and activities for slow learners for their improvement and outcomes	Arranged Remedial classes for weaker students after first mid examination
2.	Student counseling /mentoring mechanism	16 to 24 (I, II and III year) students are assigned to each faculty.
3.	Tutorial classes	For few subjects, one tutorial hour per week
4.	Monitoring of teaching-learning process -- Assessment of teaching process in classrooms. -- Innovative teaching methods presented if any --Verification of course files	--Assessment through Questionnaire --Adopted innovative methods like presenting Video lectures, Group assignments. --Course files are verified
5.	Training programs conducted for students /Guest lectures/ Seminars/ workshops:	9
6.	Students feedback	Collected once in semester
7.	Scope for Self-learning Certified courses Online courses	Yes
8.	Results Analysis:	Observed maximum 100% result in 6 th semester and minimum 45.23% in 1 st semester
9.	Placements :	7 students are placed in various companies like TCS, KEKA, etc.
10.	Higher studies :	NIL
11.	List of student professional bodies:	NIL

IV. Research, Consultancy and Extension		
S.No	Criterion	Observations
1.	Faculty publications in journals: - National : - International:	National : NIL International: 12
2.	Publications in conferences: - National: - International:	National: NIL International:09
3.	PhDs -Registered: -Awarded: -Pursuing:	Registered:01 Awarded: NIL Pursuing:05

4.	Funded R&D projects: Applied: Sanctioned: Ongoing: Completed:	NIL
5.	Patents applied : Patents awarded:	NIL
6.	In-house R&D grants & projects:	NIL
7.	New research facilities/ laboratory facilities provided	Digital Library, availability of computers with internet
8.	MOU's with industries/ R&D/ Premier institutes: 01	MOU with Saahi Automation Solutions-Guntur
9.	Research centers of excellence established:	NIL

V. Infrastructure and Learning Resources

S.No	Criterion	Observations
1.	Adequacy of infrastructural facilities to improve the teaching learning process Class rooms: 1 Laboratories:2 ICT class rooms / e- class rooms:4 Seminar halls: 1 (Cyber seminar Hall ,Sharing with CSE/IT)	Sufficient infrastructural facilities.
2.	Internet facilities for faculty & Students:	Provided internet facility with 100 MBPS ILL, 100 MBPS Wi-Fi and 40 MBPS NME ICT.
3.	Modern / new equipment added in laboratories	Old 60 i3-3220 model systems are replaced with new i3-7100 model systems with 16 GB RAM, 1 TB HDD in HT-I lab.
4.	Details of computing facilities and improvement	60 4 GB, 500HDD systems are upgraded to 16 GB, 1 TB HDD in HT-I, <u>HT-I lab</u> is completely upgraded. <u>HT-II lab</u> 65 systems – HP280G2 Ci3 model 35 systems with 8 GB DDR4,500GB HDD 15 systems with 8 GB DDR4,1 TB HDD 15 systems with 4GB DDR4,500GB HDD
5.	Department level library resources	No. of Books:283 No. of Titles:279

VI. Student information, Support and Progression

S. No	Criterion	Observations
1.	Dept. student clubs:	NIL, Suggested to form a student club for the benefit of students
2.	Details of coaching provided for GATE/GRE/any other competitive exams	Yes, Campus Recruitment Training -76 Quantitative Aptitude-92
3.	Industrial visits and internships	Yes, 3 students did internship with a minimum period of 5 months in various companies

1. Name of Department: **Computer Applications**
2. No. of full time permanent faculty: 16
3. No. of part time Visiting/temporary contractual faculty: NIL
4. No. of PG / UG courses: 1 PG Course
5. Curriculum Revisions during the year: Regulations are framed for Autonomous syllabus and 51.74 % of the syllabus is revised when compared with University Curriculum.
6. Research: Publications in journals: International: 12 National : NIL
Publications in conferences: International: 9 National: NIL
7. Ph.D. Awarded: 0
8. Faculty guiding Ph.D : 3
9. Number of Conferences/Lectures Organized: 0
10. Ongoing Sponsored projects & amount: NIL
11. No. of Faculty using ICT and PPTs: 13
12. New Equipment and Infrastructure added: Old 60 i3-3220 model systems are replaced with new i3-7100 model Systems with 16 GB RAM, 1 TB HDD in HT-I lab
13. Student feedback on Curriculum: Yes
14. Strengths:
 - 1) Positive Campus Climate
 - 2) Good Curriculum
 - 3) Well Qualified and experienced faculty (3 Doctorates and 10 post graduates)
 - 4) Active research publications (Good number in journals and conferences)
 - 5) Excellent library facility with online access to journals and learning resources
 - 6) Well placed alumni in reputed industry across the globe.
15. Weaknesses:
 - 1) Lack of quality input
 - 2) Lack in Accreditations
 - 3) Lack of full time research scholars
 - 4) Less industry-institute interaction
 - 5) Lack of MoU's
16. Suggestions for improvement:
 - 1) Faculty need to update with latest technologies
 - 2) Need to execute more MoU's
 - 3) Encourage staff to apply for various funding research and development projects

Departmental Coordinator: *Ajith T*

Academic Auditors 1. *Ajith T*

2. *K-Suryan*

K. Suresh
HOD

K. Suresh
IQAC Coordinator



K. Suresh
Principal

**RVR & JC COLLEGE OF ENGINEERING
INTERNAL QUALITY ASSURANCE CELL
ACADEMIC AUDIT 2017-18**

Evaluation Sheet

DepartmentName : Mechanical Engineering

Programme Name(s) : B.Tech – Mechanical Engineering, M.Tech – Machine Design

AcademicYear : 2017-18

I. PEO's, PO's and Curriculum		
S. No	Criteria	Observations
1.	PEO's and PO's attainment :	CO & PO attainments were reviewed and found majority of courses attained the target level.
2.	Revision in curriculum if any (provide details)	Yes, R-17 for M.Tech Approved, revised syllabus in Academic Council meeting held on 01-07-2017
3.	Extent of its satisfaction with curriculum revision	Curriculum revision for the M.Tech programme was satisfactory.

II. Faculty information and their contribution		
S. No	Criterion	Observations
1.	Teacher- student ratio 20.9 (including M.Tech)	Satisfactory
2.	Faculty Cadre ratio 5:8:22	Satisfactory
3.	Faculty qualifications 12 PhD 23 M.Tech	Satisfactory
4.	Average experience of faculty 12 Years	Satisfactory
5.	Faculty contribution in writing:books:chapters: 0	Satisfactory
6.	Members in Editorial boards: 1	Satisfactory
7.	Faculty in professional organizations: 32 in IAENG, ISTE,	Satisfactory
8.	Awards/Rewards received: 10	Satisfactory
9.	Industry collaborative projects NIL	Industry- Institute collaboration projects have to be initiated

10.	Faculty as resource persons in workshops / training activities 1	Satisfactory
11.	National level events organized -Conferences: NIL -Workshops/ Seminars: 2 -FDPs: NIL International level events organized -Conferences: NIL -Workshops/Seminars: NIL	Satisfactory
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process 55	Satisfactory

III. Teaching-Learning Process and Evaluation

S. No	Criterion	Observations
1.	Mechanism and activities for slow learners for their improvement and outcomes	Slow learners were identified and extra classes were conducted by the faculty.
2.	Student counseling /mentoring mechanism	Satisfactory
3.	Tutorial classes	Satisfactory
4.	Monitoring of teaching-learning process -- Assessment of teaching process in classrooms. -- Innovative teaching methods presented if any --Verification of course files	ICT methodologies were followed by the entire faculty. Course files were updated and verified in regular intervals
5.	Training programs conducted for students /Guest lectures/ Seminars/ workshops: 11	Satisfactory
6.	Students feedback	Satisfactory
7.	Scope for Self-learning Certified courses Online courses NPTEL: 53	Satisfactory
8.	Results Analysis: 1-1: 70.7% 2-1: 65.19% 3-1:82.35% 4-1: 92.46% 1-2: 66.86% 2-2: 63.13% 3-2:80.54% 4-2: 98.98%	Satisfactory
9.	Placements : 44	Satisfactory
10.	Higher studies : 8	Satisfactory
11.	List of student professional bodies: ISTE, SAE	Satisfactory

IV. Research, Consultancy and Extension		
S. No	Criterion	Observations
1.	Faculty publications in journals: - National NIL - International 48	Satisfactory
2.	Publications in conferences: - National 6 - International 20	Satisfactory
3.	PhDs -Registered: 0 Awarded: 2 Pursuing: 8	Satisfactory
4.	Funded R&D projects: Applied: Sanctioned: Ongoing: 3 Completed:1	Satisfactory
5.	Patents applied :NIL Patents awarded: NIL	Patents to be initiated
6.	In-house R&D grants & projects: NIL	In-house R&D grants to be initiated
7.	New research facilities/ laboratory facilities provided Core I3 Systems -50, laptops:4 3D Printer CEL Robox Single Extruder	
8.	MOU's with industries/ R&D/ Premier institutes 11 - Existing	
9.	Research centers of excellence established: Existing	

V. Infrastructure and Learning Resources		
S. No	Criterion	Observations
1.	Adequacy of infrastructural facilities to improve the teaching learning process Class rooms: 12 Laboratories:12 ICT class rooms / e- class rooms:13 Seminar halls: 1	Satisfactory
2.	Internet facilities for faculty & Students: YES	Satisfactory
3.	Modern / new equipment added in laboratories : Core I3 Systems -50, laptops:4 3D Printer CEL Robox Single Extruder	Satisfactory
4.	Details of computing facilities and improvement 167 systems	Satisfactory
5.	Department level library resources 750 books with 496 titles	Satisfactory

VI. Student information, Support and Progression		
S. No	Criterion	Observations
1.	Dept. student clubs: Club of Ancient Technologies Robotics Club SAE CLUB	Satisfactory
2.	Details of coaching provided for GATE/GRE/any other competitive exams YES	
3.	Industrial visits and internships Internships : 112 Industrial Visits: 15	Satisfactory

