

**RVR & JC COLLEGE OF ENGINEERING  
INTERNAL QUALITY ASSURANCE CELL  
ACADEMIC AUDIT 2018-19**

**Evaluation Sheet**

Department Name : Department of Civil Engineering

Programme Name : B.Tech, M.Tech- Structural Engineering

Academic Year : 2018-19

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

<b>II. Faculty information and their contribution</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
1.	Teacher- student ratio	1:19.03
2.	Faculty Cadre ratio	1:0.4:4.8 (5/2/24)
3.	Faculty qualifications	Ph.D-5 M.Tech-26
4.	Average experience of faculty	11.5 years
5.	Faculty contribution in writing: ..... books: .....chapters:	nil
6.	Members in Editorial boards:	nil
7.	Faculty in professional organizations:	18
8.	Awards/Rewards received:	nil
9.	Industry collaborative projects	nil
10.	Faculty as resource persons in workshops / training activities	1
11.	National level events organized -Conferences: ----- -Workshops/ Seminars: ----- -FDPs: -----	Nil 1 Nil
	International level events organized -Conferences: ----- -Workshops/Seminars:-----	Nil Nil
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process	Nil

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 :2																				
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="207 940 659 1318"> <tbody> <tr> <td>IV/IV B.Tech( VIII Semester)</td> <td>97.92</td> </tr> <tr> <td>III/IV B.Tech( VI Semester)</td> <td>77.11</td> </tr> <tr> <td>II/IV B.Tech( IV Semester)</td> <td>57.92</td> </tr> <tr> <td>I/IV B.Tech(II Semester)</td> <td>55.83</td> </tr> <tr> <td>I/II M.Tech(I Semester)</td> <td>94</td> </tr> <tr> <td>IV/IV B.Tech( VII Semester)</td> <td>83.09</td> </tr> <tr> <td>III/IV B.Tech( V Semester)</td> <td>65.09</td> </tr> <tr> <td>II/IV B.Tech( III Semester)</td> <td>57.87</td> </tr> <tr> <td>I/IV B.Tech(I Semester)</td> <td>55.23</td> </tr> <tr> <td>I/II M.Tech(I Semester)</td> <td>88.9</td> </tr> </tbody> </table>	IV/IV B.Tech( VIII Semester)	97.92	III/IV B.Tech( VI Semester)	77.11	II/IV B.Tech( IV Semester)	57.92	I/IV B.Tech(II Semester)	55.83	I/II M.Tech(I Semester)	94	IV/IV B.Tech( VII Semester)	83.09	III/IV B.Tech( V Semester)	65.09	II/IV B.Tech( III Semester)	57.87	I/IV B.Tech(I Semester)	55.23	I/II M.Tech(I Semester)	88.9	Satisfactory
IV/IV B.Tech( VIII Semester)	97.92																					
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II/IV B.Tech( III Semester)	57.87																					
I/IV B.Tech(I Semester)	55.23																					
I/II M.Tech(I Semester)	88.9																					
9.	Placements :	12																				
10.	Higher studies :	15																				
11.	List of student professional bodies:	IGS, ICI																				

IV. Research, Consultancy and Extension		
S. No	Criterion	Observations
1.	Faculty publications in journals: - National - International	8
2.	Publications in conferences: - National - International	2
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.Rebound hammer (Digital) 2.Profometer 3.Concrete pan mixer
8.	MOU's with industries/ R&D/ Premier institutes	nil
9.	Research centers of excellence established:	nil

<b>V. Infrastructure and Learning Resources</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
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.Rebound hammer (Digital) 2.Profometer 3.Concrete pan mixer
4.	Details of computing facilities and improvement	yes
5.	Department level library resources	No of Text books:549 Project reports:198 Journals:37 Books received by donation :37

<b>VI. Student information, Support and Progression</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
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	260

## Academic Audit Report 2018-19

### 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, M tech (structures)
4. Curriculum Revisions during the year :nil
5. Research: Publications in Journals; International: 8 National :0
6. Publications in conferences; International :2 National :0
7. Ph.D. Awarded: nil
8. Faculty guiding Ph.D:4
9. Number of Conferences/Lectures Organized: 2
10. Ongoing Sponsored projects & amount: nil
11. No. of Faculty using ICT and PPTs:32
12. New Equipment and Infrastructure added:
  - 1.Rebound hammer  
( Digital )
  - 2.Profometer
  - 3.Concrete pan mixer
- 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

Departmental Coordinator: *Sanatha P*  
(Samatha Chowdary)

Academic Auditors

1. Dr.A. Sri Nagesh
2. Dr. Ch.Aparna

*A. Nagesh*  
*Ch. Aparna*

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

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

*K. Srinivasu*  
Dr.K.Srinivasu  
Principal





**RVR & JC COLLEGE OF ENGINEERING  
INTERNAL QUALITY ASSURANCE CELL  
ACADEMIC AUDIT 2018-19**

**Evaluation Sheet**

Department Name : Chemical Engineering

Programme Name : B.Tech. Chemical Engineering

Academic Year : 2018-19

<b>I. PEO's, PO's and Curriculum</b>		
<b>S. No</b>	<b>Criteria</b>	<b>Observations</b>
1.	PEO's and PO's attainment	Satisfactory
2.	Revision in curriculum if any (provide details)	Syllabus is revised to meet requirement
3.	Extent of its satisfaction with curriculum revision	Good

<b>II. Faculty information and their contribution</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
1.	Teacher- student ratio	22.5
2.	Faculty Cadre ratio	2:3:3
3.	Faculty qualifications	Ph.D.-5; M.Tech - 3
4.	Average experience of faculty	17.25 years
5.	Faculty contribution in writing: .....books: .....chapters:	=====
6.	Members in Editorial boards:	3
7.	Faculty in professional organizations:	8
8.	Awards/Rewards received:	7

9.	Industry collaborative projects	-----
10.	Faculty as resource persons in workshops / training activities	9
11.	National level events organized -Conferences:-nil -Workshops/ Seminars:-1 -FDPs: International level events organized -Conferences:-nil -Workshops/Seminars:-nil	CHECK – 2019. FDP - 1
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process	10

<b>III. Teaching-Learning Process and Evaluation</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
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"> <li>• Assignments and Quizzes.</li> <li>• Adopting ICT tools</li> <li>• Verified the course files.</li> </ul>
5.	Training programs conducted for students /Guest lectures/ Seminars/ workshops:	8
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-94.44
9.	Placements :	61
10.	Higher studies :	3
11.	List of student professional bodies:	RVRJCCE- IICHe 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: 3	Pursuing -3
4.	Funded R&D projects: Applied: Sanctioned: Ongoing:- Completed:	Ongoing -2
5.	Patents applied : -- Patents awarded:--	nil
6.	In-house R&D grants & projects	nil
7.	New research facilities/ laboratory facilities provided	3
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:	Class Rooms-4 Laboratories – 9 ICT Class rooms/e – class rooms – 4 Seminar Halls-1
2.	Internet facilities for faculty & Students:	Available for all students and faculty
3.	Modern / new equipment added in laboratories	3
4.	Details of computing facilities and improvement	ASPEN PLUS software was renewed.
5.	Department level library resources	404

<b>VI. Student information, Support and Progression</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
1.	Dept. student clubs:	RVRJCCE-IICHe Students Chapter
2.	Details of coaching provided for GATE/GRE/any other competitive exams	GATE, CRT, Aptitude, Communication Skills, soft skill classes, etc. were conducted
3.	Industrial visits and internships	Industrial visits 2 Internships - 63



## Academic Audit Report 2018-19

1. Name of the Department: Chemical Engineering
2. No. of full time permanent faculty: 8
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 - 8
11. Ongoing Sponsored projects & amount: 2, Rs.3.82 Lakhs
12. No. of Faculty using ICT and PPTs:8
13. New Equipment and Infrastructure added: 3
14. Student feedback on Curriculum: Yes/No; Yes
15. Strengths:
  - (1) Good Placements
  - (2) Updating licenses for softwares
  - (3) Maintaining Laboratories as per Curriculum.
16. Weaknesses:
  - (1) public awareness
  - (2)
  - (3)
17. Suggestions for improvement:
  - (1) For Research work PG program should be started.
  - (2) awareness programs to be conducted for students and public
  - (3)

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 2018-19**

**Evaluation Sheet**

Department Name : Computer Science & Engineering

Programme Name : Bachelor of Technology

Academic Year : 2018 – 19

<b>I. PEO's, PO's and Curriculum</b>		
<b>S. No</b>	<b>Criteria</b>	<b>Observations</b>
1.	PEO's and PO's attainment	The target attainment level for POs is set to 2.1. All program outcomes have been attained.
2.	Revision in curriculum if any (provide details)	<b>UG:- R18 Curriculum is introduced</b> <b>PG:- No Revision</b>
3.	Extent of its satisfaction with curriculum revision	100 %

<b>II. Faculty information and their contribution</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
1.	Teacher- student ratio	UG - 21.77 PG - 17.5
2.	Faculty Cadre ratio	Professors – 3 Assoc.Professors – 9 Asst.Professors – 26
3.	Faculty qualifications	Ph.D. – 8 M.Tech. – 30
4.	Average experience of faculty	2018-19 – 8.96 Years
5.	Faculty contribution in writing: .....books: .....chapters:	Nil
6.	Members in Editorial boards:	Nil
7.	Faculty in professional organizations:	2018–19 – 37 Memberships
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:	Workshops 2018-19 – 4(staff) + 3(students)
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive	2018-19 – 126



programs attended for enrichment of teaching - learning process	
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<b>III. Teaching-Learning Process and Evaluation</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
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:	<b>8</b>
6.	Students feedback	Collected
7.	Scope for Self-learning Certified courses Online courses	Total no.of certifications – 384
8.	Results Analysis:	98.02%
9.	Placements :	128 students placed Total No. of Placements - 157
10.	Higher studies :	<b>2018-19 – 11</b>
11.	List of student professional bodies:	ACM Student Chapter Established in 2017 -18 2018 -19: Activities – 6 CSI Student Chapter No of Members – 55

<b>IV. Research, Consultancy and Extension</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
1.	Faculty publications in journals: - National - - International	National – 0 International – 18
2.	Publications in conferences: - National - International	National – 0 International – 5
3.	PhDs -Registered: Awarded: Pursuing:	Registered: 01 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	
8.	MOU's with industries/ R&D/ Premier institutes	10 MoUs are in force
9.	Research centers of excellence established:	Nil


<b>V. Infrastructure and Learning Resources</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
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	Nil
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



<b>VI. Student information, Support and Progression</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
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	206


## Academic Audit Report 2018-19

1. Name of Department: Computer Science & Engineering
2. No. of full time permanent faculty: 34
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: R18 Curriculum is introduced
6. Research: Publications in journals; International : 18 National :
7. Publications in conferences; International : 05 National :
8. Ph.D. Awarded: 01
9. Faculty guiding Ph.D: 04
10. Number of Conferences/Lectures Organized: 4(staff) + 11(students)
11. Ongoing Sponsored projects & amount: Nil
12. No. of Faculty using ICT and PPTs: 30
13. New Equipment and Infrastructure added: Nil
14. Student feedback on Curriculum: Yes
15. Strengths :
  - (1) Good Placement Record
  - (2) Qualified Teaching Faculty
  - (3) Experienced Supporting Staff
16. Weaknesses :
  - (1) Quality of Research Publications
  - (2) No external agency funded projects
17. Suggestions for improvement:
  - (1) Suggested to apply for funding agencies for research projects on regular basis
  - (2) Suggested to improve the quality of research publications

Departmental Coordinator: Dr. Ch. Aparna - 

Academic Auditors

1. G. Sudharvani
2. D. Anandachari

  
HOD

  
IQAC Coordinator



  
Principal

**RVR & JC COLLEGE OF ENGINEERING  
INTERNAL QUALITY ASSURANCE CELL  
ACADEMIC AUDIT 2018-19**

**Evaluation Sheet**

Department Name : Electronics & Communication Engineering

Programme Name : Bachelor of Technology

Academic Year : 2018 – 19

<b>I. PEO's, PO's and Curriculum</b>		
<b>S. No</b>	<b>Criteria</b>	<b>Observations</b>
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)	<b>UG:- R18 Curriculum is introduced</b> <b>PG:- No Revision</b>
3.	Extent of its satisfaction with curriculum revision	Yes

<b>II. Faculty information and their contribution</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
1.	Teacher- student ratio (3 x 216/32)	20.25 (excluding 1 <sup>st</sup> year)
2.	Faculty Cadre ratio	Professors – 4 Assoc. Professors – 3 Asst. Professors – 27
3.	Faculty qualifications	Ph.D. – 5 M.Tech. – 29
4.	Average experience of faculty	10.56 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:	<ul style="list-style-type: none"> <li>• Top performers, AICTE approved FDP301X from IITB</li> <li>• DFM (Discussion Forum Moderator) for AICTE approved FDP101X</li> <li>• DFM (Discussion Forum Moderator) for AICTE approved FDP201X</li> </ul>
9.	Industry collaborative projects	Nil
10.	Faculty as resource persons in workshops / training activities	02



11.	National level events organized -Conferences: -Workshops/ Seminars: -FDPs: International level events organized -Conferences: -Workshops/Seminars:	<b>National:</b> Workshop – 03
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process	Workshops – 19 FDPs – 05 Seminars - 01

### 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 –285															
8.	Results Analysis in %:	<table border="1"> <thead> <tr> <th></th> <th>I sem</th> <th>II sem</th> </tr> </thead> <tbody> <tr> <td><b>I<sup>st</sup> Year</b></td> <td>72.92</td> <td>84.91</td> </tr> <tr> <td><b>II<sup>nd</sup> Year</b></td> <td>77.36</td> <td>76.42</td> </tr> <tr> <td><b>III<sup>rd</sup> Year</b></td> <td>69.20</td> <td>73.93</td> </tr> <tr> <td><b>IV<sup>th</sup> Year</b></td> <td>96.17</td> <td>95.22</td> </tr> </tbody> </table>		I sem	II sem	<b>I<sup>st</sup> Year</b>	72.92	84.91	<b>II<sup>nd</sup> Year</b>	77.36	76.42	<b>III<sup>rd</sup> Year</b>	69.20	73.93	<b>IV<sup>th</sup> Year</b>	96.17	95.22
	I sem	II sem															
<b>I<sup>st</sup> Year</b>	72.92	84.91															
<b>II<sup>nd</sup> Year</b>	77.36	76.42															
<b>III<sup>rd</sup> Year</b>	69.20	73.93															
<b>IV<sup>th</sup> Year</b>	96.17	95.22															
9.	Placements :	139/209 = 66.50%															
10.	Higher studies :	10															
11.	List of student professional bodies:	IETE - 01															

### IV. Research, Consultancy and Extension

S. No	Criterion	Observations
1.	Faculty publications in journals: - National - International	National – 0 International – 11
2.	Publications in conferences: - National - International	National – 0 International – 05

3.	PhDs -Registered: Awarded: Pursuing:	Registered: 05 Awarded: 01 Pursuing: 08
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	09
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	<b>Digital Systems Lab:</b> my DAQs – 10 my RIOS – 07
4.	Details of computing facilities and improvement	Nil
5.	Department level library resources	Titles – 662 Volumes – 662 CDs - 630

#### 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 <sup>nd</sup> semester
3.	Industrial visits and internships	Industrial visits - 01 Internships – B.Tech -214 M.Tech - 09

**Academic Audit Report 2018-19**

1. Name of Department: Electronics and Communication Engineering
2. No. of full time permanent faculty: 34
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: R18 Curriculum is introduced
6. Research: Publications in journals; International : 11                      National :-
7. Publications in conferences;                      International : 05      National : -
8. Ph.D. Awarded: 01
9. Faculty guiding Ph.D: 04
10. Number of Conferences/Lectures Organized: 03(staff) + 06(students)
11. Ongoing Sponsored projects & amount: Nil
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. Sudha Vani*

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

*[Signature]*  
HOD

*[Signature]*  
IQAC Coordinator

*[Signature]*  
Principal





**RVR & JC COLLEGE OF ENGINEERING  
INTERNAL QUALITY ASSURANCE CELL  
ACADEMIC AUDIT 2018-19**

**Evaluation  
Sheet**

Department Name : Electrical & Electronics Engineering

Programme Name : B. Tech

Academic Year : 2018-2019

<b>I. PEO's, PO's and Curriculum</b>		
<b>S. No</b>	<b>Criteria</b>	<b>Observations</b>
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, First year curriculum in 2018-19 according to R18 regulations.
3.	Extent of its satisfaction with curriculum revision	The curriculum is revised as per the AICTE prescribed model curriculum and APSCHE suggestions for B.Tech curriculum

<b>II. Faculty information and their contribution</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
1.	Teacher- student ratio	UG- 34/(216*3+180) 1:24 2- PG
2.	Faculty Cadre ratio	3:3:30 [total:36]
3.	Faculty qualifications	Faculty with PhD:7 Faculty with M.Tech:29 Faculty registered for PhD: 16
4.	Average experience of faculty	10 Years
5.	Faculty contribution in writing: .....books: .....chapters:	Nil
6.	Members in Editorial boards:	5
7.	Faculty in professional organizations:	24
8.	Awards/Rewards received:	Received letter of Appreciation from IIT

		Bombay, for contribution as a Discussion Forum Moderator in the successful completion of the AICTE approved Five week MOOC (two week equivalent): FDP 101X & FDP 201 X
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 FDP during Nov 30 <sup>th</sup> 2018 and Dec 1 <sup>st</sup> 2018 – Industry practices in power systems engineering.
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process	59

<b>III. Teaching-Learning Process and Evaluation</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
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: 10
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: 81.13 II sem: 60.62 II year – I sem: 66.02 II sem:60 III year – Isem: 68.0 II sem:68.36 IV year – Isem: 88.94 II sem: 95.02

Placements :	125 members are placed out of 205 students
Higher studies :	9
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] 26 [IJ]
2.	Publications in conferences: - National - International	Nil [NC] 4 [IC]
3.	PhDs -Registered: Awarded: Pursuing:	4 [Dr. KCS] 32
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	Equipment is purchased in power systems lab (i) Generation protection unit (ii) Feeder protection unit which can be used for PG projects and for research.
8.	MOU's with industries/ R&D/ Premier institutes	25
9.	Research centers of excellence established:	ANU recognized research centre in the 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:	13 11 13[ all class rooms are equipped with LCDs] Nil



	Internet facilities for faculty & Students:	Yes
	Modern / new equipment added in laboratories	power systems lab (i) Generation protection unit (ii) Feeder protection unit
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.)

<b>VI. Student information, Support and Progression</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
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: 206

## Academic Audit Report 2018-19

1. Name of Department: Department of Electrical & Electronics Engineering
2. No. of full time permanent faculty: 36
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 : 26 [IJ] National : 0 [NJ]
7. Publications in conferences; International : 4 [IC]  
National : Nil
8. Ph.D. Awarded: 4
9. Faculty guiding Ph.D: 6
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:

Equipment is purchased in power systems lab  
(i) Generation protection unit (ii) Feeder protection unit which can be used for PG projects and for research.

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. Pomppathi (IT)

**HOD**

**IQAC Coordinator**

**Principal**



**RVR & JC COLLEGE OF ENGINEERING  
INTERNAL QUALITY ASSURANCE CELL  
ACADEMIC AUDIT 2018-19**

**Evaluation Sheet**

Department Name : **INFORMATION TECHNOLOGY**

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

Academic Year : **2018-2019**

<b>I. PEO's, PO's and Curriculum</b>		
<b>S.No</b>	<b>Criterion</b>	<b>Observations</b>
1.	PEO's and PO's attainment	<ul style="list-style-type: none"> <li>Department attained all the POs with 2018-19 passed out batch except PO6, PO8 and PO10 due to the few courses included in the curriculum related to those POs. PSOs are evaluated and attained all the PSOs with target level 2.0 and PEO's are not evaluated.</li> </ul>
2.	Revision in curriculum if any (provide details)	<ul style="list-style-type: none"> <li>Based on syllabus from R16 regulations, and AICTE model curriculum for engineering colleges, new syllabus is framed in 2018 and named as R18 regulations. This syllabus is started from the students admitted in 2018-2019 academic year. In R18 regulations No.of courses and syllabus is framed based on AICTE model curriculum. Mandatory courses and value added courses to satisfy Program Specific Outcomes were introduced.</li> </ul>
3.	Extent of its satisfaction with curriculum revision	<ul style="list-style-type: none"> <li>Based on syllabus from R16 regulations, R18 curriculum is introduced in 2018 with change of percentage 51.50% in the curriculum for B.Tech.(IT) by introducing addition core courses, professional elective courses. Mandatory courses, and value added courses into R18 curriculum.</li> </ul>

<b>II. Faculty information and their contribution</b>		
<b>S.No</b>	<b>Criterion</b>	<b>Observations</b>
1.	Teacher- student ratio	01:22
2.	Faculty Cadre ratio	Cadre ratio is maintained well and retained. <ul style="list-style-type: none"> <li>Professors: 03</li> <li>Associate Professors 05</li> <li>Assistant Professors:14</li> </ul>
3.	Faculty qualifications	No. of faculty with <ul style="list-style-type: none"> <li>Ph.D.:07</li> <li>M.Tech.: 15</li> </ul>
4.	Average experience of faculty	16 years



5.	Faculty contribution in writing: ...1.....books: .....chapters:	<ul style="list-style-type: none"> <li>Two faculty members authored a text book in digital image Processing concepts with LAP publisher.</li> </ul>
6.	Members in Editorial boards:	NIL
7.	Faculty in professional organizations:	<ul style="list-style-type: none"> <li>Most of the faculty members are registered with professional bodies such as CSI, ISTE, IEI, IAENG, IACSIT...etc.</li> </ul>
8.	Awards/Rewards received:	<ul style="list-style-type: none"> <li>08 faculty members are recognized as top performers in MOOCs courses conducted by IITBombay.</li> </ul>
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:	-
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process.	<ul style="list-style-type: none"> <li>71 FDPs / workshops/Seminars are attended by the faculty during 2018-19. Faculty with outside interaction is well by attending various FDPs and helped them to enrich Teaching-Learning process.</li> </ul>

### 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"> <li>Once student admission process is completed FOUR to FIVE students are allocated to each faculty member for counseling.</li> </ul>	<ul style="list-style-type: none"> <li>Observed Mentor interacts with mentees twice in a semester to discuss about any problems they are facing within the college and outside the college.</li> </ul>
3.	Tutorial classes	<ul style="list-style-type: none"> <li>Based on scheme of curriculum tutorial classes allocated for few courses and included the same in the time table.</li> </ul>
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"> <li>Assessment about teaching in a class room by faculty is collected during interaction committee meetings, and through personal contact also.</li> <li>Department faculty adopted ICT based teaching and other pedagogical methods also.</li> <li>HOD will verify course files prepared by the faculty frequently during the commencement of semester.</li> </ul>
5.	Training programs conducted for students /Guest lectures/ Seminars/ workshops:	<ul style="list-style-type: none"> <li>FOUR guest lectures and FOURTEEN training programs are conducted by the department to the students.</li> </ul>
6.	Students feedback	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

		<ul style="list-style-type: none"> <li>• Class interaction meetings</li> <li>• Student counseling</li> <li>• Student feedback forms</li> <li>• Course-end surveys</li> <li>• Exit surveys</li> </ul>
7.	Scope for Self-learning Certified courses Online courses. The department always encourages to enroll for MOOCs courses for improving self-learning skills by giving necessary guidelines and facilities to the student	<ul style="list-style-type: none"> <li>• Verified that 136 students have completed MOOCS course conducted by NPTEL and COURSEERA .</li> </ul>
8.	Results Analysis:	<b>B.Tech.(IT) :</b> I year I Sem: 78.99%      I Year II sem: 78.99 (Y18) II year I Sem: 69.49.20%      II Year II sem:60.52% (Y17) III year I Sem:89.28%      III Year II sem:93.80%(Y16) IV year I Sem: 97.36%      IV Year II sem:99.13%(Y15)  <b>M.Tech.(CST):</b> I Year I SEM: 83.33      I Year II Sem:66.66% (Y18) II Year III SEM: 100%      II Year IV Sem:100% (Y17)
9.	Placements :	112 students placed during 2018-19
10.	Higher studies :	15 students opted for pursuing M.Tech./MS.
11.	List of student professional bodies:	<ul style="list-style-type: none"> <li>• CSI Institute membership</li> <li>• IEEE student chapter</li> <li>• ISTE Student chapter</li> </ul>

#### IV. Research, Consultancy and Extension

S. No	Criterion	Observations
1.	Faculty publications in journals:	National : 00 International :28
2.	Publications in conferences:	National:00 International: 07
3.	PhDs -Registered: Awarded: Pursuing:	ONE Faculty member is awarded with Ph.D. from JNTUA, and NINE faculty members are pursuing Ph.D. from various universities.
4.	Funded R&D projects: Applied: 02 Sanctioned: - NIL Ongoing: -00 Completed: - 00	TWO projects are applied with UGC/DST schemes.
5.	Patents applied : 01 Patents awarded: 01 <b>Title of Invention:</b> I-SWITCH: INTELLIGENT SWITCH USING IR RECEIVER AND IR TRANSMITTER <b>Application NO:</b> 201921005023 <b>Date of filing:</b> 08/02/2019 <b>Publication Date:</b> 07/06/2019	ONE patent is received by the professor within the department
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:	-

### V. Infrastructure and Learning Resources

S. No	Criterion	Observations
1.	Adequacy of infrastructural facilities to improve the teaching learning process Class rooms: 10 Laboratories:03 ICT class rooms / e- class rooms:08 Seminar halls:	Adequate for class room teaching.
2.	Internet facilities for faculty & Students:	<ul style="list-style-type: none"> <li>• Available and allowed to access by both students and staff</li> <li>• Internet access is provided with speed of 300 Mbps ILL service provided by BSNL Ltd on payment basis.</li> <li>• Internet access is provided with speed of 40 Mbps NMEICT connection provided by BSNL Ltd on payment basis.</li> </ul>
3.	Modern / new equipment added in laboratories	<ul style="list-style-type: none"> <li>• 20 desktop systems INTEL CORE i3 16 GB RAM , 1 TB hard disk , and with latest configuration are added to the department.</li> </ul>
4.	Details of computing facilities and improvement	<ul style="list-style-type: none"> <li>• 213 desktop systems and 05 servers are available for computing power</li> </ul>
5.	Department level library resources	<ul style="list-style-type: none"> <li>• Total of 638 titles are available in the department library</li> </ul>

### VI. Student information, Support and Progression

S. No	Criterion	Observations
1.	Dept. student clubs:	Department has THREE Technical clubs and conducts one event per academic year. 1.InformaTrix 2. Gnome Club 3.IDCC 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"> <li>• Industrial visits: 00</li> <li>• No.of Internships: 11</li> </ul>



## Academic audit Report 2018-19

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( B.Tech.(IT), M.Tech.(CST)
5. Curriculum Revisions during the year: Revisions are made with B.Tech.(IT) and implemented for students admitted during the academic year 2018-2019 batch students.
6. Research: Publications in Journals; International: 28                      National: - NIL
7.                Publications in Conferences; International: 07                      National: - NIL
8. Ph.D. Awarded: 01
9. Faculty guiding Ph.D.: 05
10. Number of Conferences/Lectures organized: NIL
11. Ongoing Sponsored projects & Amount: NIL
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) Teaching-Learning Process is practiced with outcome based education recommended by NBA.
  - (2) Good number of quality publications.
  - (3) Outside interaction is established very well by the faculty by attending various training programs.
16. Weaknesses:
  - (1) R & D and consultancy work needs to be improved.
  - (2) No conferences conducted
17. Suggestions for Improvement:
  - (1) Suggested to adopt various pedagogical methods to improve the self-learning capabilities of the student.
  - (2) Suggested to invite alumni of the department to conduct guest lecture on recent trends I ntechnology.

**Departmental Coordinator:**

*H. Ponraj*

**Academic auditors: 1.**

*V. Chittaranjan Das*

**2.**

*G. Sankar*

*A. Srikishna*  
**HOD**

*Asmy*  
**IQAC Coordinator**

*K. Srinivas*  
**Principal**



**RVR & JC COLLEGE OF ENGINEERING  
INTERNAL QUALITY ASSURANCE CELL  
ACADEMIC AUDIT 2018-19**

**Evaluation Sheet**

Department Name : Department of Management Sciences

Programme Name : MBA

Academic Year : 2018-19

<b>I. PEO's, PO's and Curriculum</b>		
<b>S.No</b>	<b>Criteria</b>	<b>Observations</b>
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

<b>II. Faculty information and their contribution</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
1.	Teacher- student ratio	1:20
2.	Faculty Cadre ratio	1:4:7
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	18.67
5.	Faculty contribution in writing: .....books: .....chapters:	Books Published: 3 Chapters: Nil
6.	Members in Editorial boards: 3	Three members in editorial board
7.	Faculty in professional organizations:	11
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	17

<b>III. Teaching-Learning Process and Evaluation</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
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:	04
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 :	60 students are placed
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 Nil - International 9	
2.	Publications in conferences: - National 4 - International Nil	
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		Observations
S. No	Criterion	
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 industrial visits:2 All students Sent for internship

## Academic Audit Report 2018-19

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 : 9 National : Nil
6. Publications in conferences; International : Nil National : 4
7. Ph.D. Awarded: 01
8. Faculty guiding Ph.D: 03
9. Number of Conferences/Lectures Organized: 04
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. Sanyas*

Academic Auditors

1. *K. Ramesh chandra*  
2. *[Signature]*

IQAC Coordinator

Principal

*[Signature]*  
HOD  
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 2018-19**

**Evaluation Sheet**

Department Name : Computer Applications  
Programme Name : MCA  
Academic Year : 2018-2019

<b>I. PEO's, PO's and Curriculum</b>		
<b>S.No</b>	<b>Criteria</b>	<b>Observations</b>
1.	PEO's and PO's attainment	Attained
2.	Revision in curriculum if any (provide details)	NO
3.	Extent of its satisfaction with curriculum revision	100%

<b>II. Faculty information and their contribution</b>		
<b>S.No</b>	<b>Criterion</b>	<b>Observations</b>
1.	Teacher- student ratio	1:26
2.	Faculty Cadre ratio	1:3:10
3.	Faculty qualifications	Ph.D/M.Tech/MCA
4.	Average experience of faculty	14 years
5.	Faculty contribution in writing: .....books: .....chapters:	Books: NIL 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	1
11.	National level events organized -Conferences: -Workshops/ Seminars: -FDPs: International level events organized -Conferences: -Workshops/Seminars:	No events organized
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process	Conferences-1 Workshops /FDP-26

### 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 a semester.
7.	Scope for Self-learning Certified courses Online courses	Yes
8.	Results Analysis:	Observed maximum 100% result in 6 <sup>th</sup> semester and minimum 45.23% in 1 <sup>st</sup> semester
9.	Placements :	15 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: 11 observed publications in SCI/ SCOPUS indexed journals
2.	Publications in conferences: - National: - International:	National: NIL International: 01

3.	PhDs -Registered: Awarded: Pursuing:	Registered:01 Awarded:01 Pursuing:05
4.	Funded R&D projects: Applied: Sanctioned: Ongoing: Completed:	Applied:02 Sanctioned: NIL Ongoing: NIL 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/ Premierinstitutes: 01	1,Saahi Automaion 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 300 MBPS ILL, 300 MBPS Wi-Fi and 40 MBPS NME ICT.
3.	Modern / new equipment added in laboratories	NIL
4.	Details of computing facilities and improvement	HT-I lab <u>63</u> Systems- 60 systems with Core i3-7100, 16 GB DDR4, 1 TB HDD 3 systems with Core i3-3200, 4 GB DDR4, 500GB HDD HT-II lab <u>65</u> systems - Desktop HP280G2/ Ci3- 6100 model 35 systems 8 GB DDR4, 500GB HDD 15 systems with 8 GB DDR4,1TB 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:	1, SWAA club
2.	Details of coaching provided for GATE/GRE/any other competitive exams	Yes, Campus Recruitment Training -47 Quantitative Aptitude-109
3.	Industrial visits and internships	Yes, 15 students did internship with a minimum period 5 months in various companies

1. Name of Department: **Computer Applications**
2. No. of full time permanent faculty: 14
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: No
6. Research: Publications in journals; International: 11 National : NIL
7. Publications in conferences: \_ International : 01 National : NIL
8. Ph.D. Awarded: 01
9. Faculty guiding Ph.D.: 03
10. Number of Conferences/Lectures Organized: NIL
11. Ongoing Sponsored projects & amount: NIL
12. No. of Faculty using ICT and PPTs: 13
13. New Equipment and Infrastructure added: NIL
14. Student feedback on Curriculum: Yes
15. Strengths:
  - 1) Strong Curriculum
  - 2) Well Qualified and experienced faculty with high retention
  - 3) Well-equipped Computer labs with internet facilities
  - 4) Excellent library facility with online access to journals and learning resources.
  - 5) Well placed alumni in reputed industry across the globe.
16. Weaknesses:
  - 1) Lack of quality input
  - 2) Lack in Accreditations
  - 3) Less industry-institute interaction
17. Suggestions for improvement:
  - 1) Faculty need to update with latest technologies
  - 2) Need to execute more MoU's
  - 3) Encourage students to complete MOOCs courses
  - 4) Encourage staff to apply for various funding research and development projects

Departmental Coordinator: *Ajithi T*

Academic Auditors

1. *[Signature]*

2. *K. Suresh*

*[Signature]*  
HOD

*[Signature]*  
IQAC Coordinator



*[Signature]*  
Principal

**RVR & JC COLLEGE OF ENGINEERING  
INTERNAL QUALITY ASSURANCE CELL  
ACADEMIC AUDIT 2018-19**

**Evaluation Sheet**

DepartmentName : Mechanical Engineering

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

Academic Year : 2018-19

<b>I. PEO's, PO's and Curriculum</b>		
<b>S. No</b>	<b>Criteria</b>	<b>Observations</b>
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-18 for B.Tech Approved, revised syllabus in Academic Council meeting held on 03-08-2018
3.	Extent of its satisfaction with curriculum revision	Curriculum revision for the first year of the B.Tech programme (R-18 regulations) was satisfactory.

<b>II. Faculty information and their contribution</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
1.	Teacher- student ratio      19.8 (including M.Tech)	Satisfactory
2.	Faculty Cadre ratio            5:9:21	Satisfactory
3.	Faculty qualifications    16 PhD    19 M.Tech	Satisfactory
4.	Average experience of faculty    13 Years	Satisfactory
5.	Faculty contribution in writing: .....books: .....chapters:    2	Satisfactory
6.	Members in Editorial boards: 1	Satisfactory
7.	Faculty in professional organizations: 32 in IAENG, ISTE,	Satisfactory
8.	Awards/Rewards received: 5	Satisfactory
9.	Industry collaborative projects <b>NIL</b>	Industry- Institute collaboration projects have to be initiated



10.	Faculty as resource persons in workshops / training activities <b>2</b>	Satisfactory
11.	National level events organized -Conferences: <b>NIL</b> -Workshops/ Seminars: <b>4</b> -FDPs: <b>NIL</b> International level events organized -Conferences: <b>NIL</b> -Workshops/Seminars: <b>NIL</b>	Satisfactory
12.	Number of conferences/seminars/ workshops/ FDP's/ any exclusive programs attended for enrichment of teaching - learning process <b>51</b>	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: <b>14</b>	Satisfactory
6.	Students feedback	Satisfactory
7.	Scope forSelf-learning Certified courses Online courses <b>NPTEL: 53</b>	Satisfactory
8.	Results Analysis: 1-1: 77.1% 2-1: 65.19% 3-1:77.42% 4-1: 92.97% 1-2: 60.62% 2-2: 67.48% 3-2:76.65% 4-2: 98.36%	Satisfactory
9.	Placements : <b>97</b>	Satisfactory
10.	Higher studies : <b>10</b>	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 49	Satisfactory
2.	Publications in conferences: - National NIL - International 17	Satisfactory
3.	PhDs -Registered: 5 Awarded: 2 Pursuing: 13	Satisfactory
4.	Funded R&D projects: Applied: Sanctioned: Ongoing: 2 Completed: 2	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 <b>Hydraulic Deep Drawing Machine</b>	
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: <b>Hydraulic Deep Drawing Machine</b>	Satisfactory
4.	Details of computing facilities and improvement 150 systems	Satisfactory
5.	Department level library resources <b>750 books with 496 titles</b>	Satisfactory

<b>VI. Student information, Support and Progression</b>		
<b>S. No</b>	<b>Criterion</b>	<b>Observations</b>
1.	Dept. studentclubs: Club of Ancient Technologies Robotics Club SAE CLUB	Satisfactory
2.	Details of coaching provided for GATE/GRE/any other competitive exams <b>YES</b>	
3.	Industrial visits and internships Internships : <b>126</b> Industrial Visits: <b>22</b>	Satisfactory



## Academic Audit Report 2018-19

1. Name of Department: Mechanical Engineering
2. No. of full time permanent faculty: 36
3. No. of part time Visiting/temporary contractual faculty: --
4. No. of PG / UG courses: UG-1; PG-1
5. Curriculum Revisions during the year: UG: R18
6. Research: Publications in journals; International: 49      National :
7. Publications in conferences;      International : 17      National :
8. Ph.D. Awarded: 2
9. Faculty guiding Ph.D: 14
10. Number of Conferences/Lectures Organized: 4
11. Ongoing Sponsored projects & amount: 2 – Rs.10,15,000/-
12. No. of Faculty using ICT and PPTs: 34
13. New Equipment and Infrastructure added: 1. Hydraulic Deep Drawing Machine
14. Student feedback on Curriculum: Yes/No
15. Strengths:
  - (1) Well Qualified and Experienced faculty
  - (2) Good Infrastructure and Laboratories.
  - (3) Research Guidance
16. Weaknesses:
  - (1) Patents
  - (2) Research projects
  - (3) Industry Institute Collaboration
17. Suggestions for improvement:
  - (1) (1) Placements is better , need to be improved
  - (2) Quality of Faculty publications

Departmental Coordinator:

*[Signature]*

Academic Auditors 1. *Ch. Sweetha*

2. *Ayathi T*

*[Signature]*

HOD

*[Signature]*

IQAC Coordinator

*[Signature]*

Principal

