

# Annual Quality Assurance Report (AQAR) for the Academic Year 2017-18

submitted to



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

*An Autonomous Institution of the University Grants Commission*

P. O. Box. No.1075, Opp:NLSIU, Nagarbhavi, Bangalore- 560 072 India



**Internal Quality Assurance Cell (IQAC)**

**R.V.R & J.C College of Engineering(Autonomous)**

Accredited by NBA and NAAC with 'A' Grade

Affiliated to Acharya Nagarjuna University, Guntur, Approved by AICTE  
Chandramoulipuram, Chowdavaram, GUNTUR-522019, A.P.

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Part – A

**1. Details of the Institution**

1.1 Name of the Institution

R.V.R. & J.C College of Engineering

1.2 Address Line 1

Chandramoulipuram

Address Line 2

Chowdavaram

City/Town

Guntur

State

Andhra Pradesh

Pin Code

522019

Institution e-mail address

[rvrjce@hotmail.com](mailto:rvrjce@hotmail.com)

Contact Nos.

09491073317; 09491073318

Name of the Head of the Institution:

Dr. K.Srinivasu, Principal

Tel. No. with STD Code: Mobile:

0863 -2288201, 09492940860

Name of the IQAC Coordinator:

Dr. A.Srinivasa Prasad

Mobile:

09490223827

IQAC e-mail address:

rvrjce@hotmail.com

1.3 NAAC Track ID(For ex. MHCOGN 18879)

APCOGN19176

1.4 NAAC Executive Committee No. &Date:

EC(SC)/03/A&A/34 ; Dated:24-09-2014

(For Example EC/32/A&A/143 dated 3-5-2004.  
This EC no. is available in the right corner-bottom  
of your institution's Accreditation Certificate)

1.5 Website address:

www.rvrjce.ac.in

Web-link of the AQAR:

<http://rvrjce.ac.in/AQAR-2017-18.pdf>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A	3.19	2014	5years
2	2 <sup>nd</sup> Cycle				
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC :DD/MM/YYYY

28/10/2014

1.8 AQAR for the year(for example 2010-11)

2017-2018

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

- i. AQAR 2014-15 submitted to NAAC on 22/10/2015
- ii. AQAR 2015-16 submitted to NAAC on 08/12/2016
- iii. AQAR 2016-17 submitted to NAAC on 29/03/2018
- iv. AQAR 2017-18 submitted to NAAC on

1.10 Institutional Status

University State  Central  Deemed  Private

Affiliated College Yes  No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC 2(f)  UGC 12B

Grant-in-aid+ Self Financing  Totally Self-financing

1.11 Type of Faculty/ Programme

Arts  Science  Commerce  Law  PEI(PhysEdu)

TEI(Edu)  Engineering  Health Science  Management

Others (Specify)

. -----

1.12 Name of the Affiliating University (*for the Colleges*)

Acharya Nagarjuna University,  
Guntur.

1.13 Special status conferred by Central/ State Government--UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. /University

University & UGC

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

## **2.IQAC Composition and Activities**

2.1 No. of Teachers	<input type="text" value="14"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="04"/>
2.3 No. of students	<input type="text" value="02"/>
2.4 No. of Management representatives	<input type="text" value="01"/>
2.5 No. of Alumni	<input type="text" value="02"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="00"/>
2.7 No. of Employers/Industrialists	<input type="text" value="02"/>
2.8 No. of other External Experts	<input type="text" value="00"/>
2.9 Total No. of members	<input type="text" value="25"/>
2.10 No. of IQAC meetings held	<input type="text" value="03"/>

2.11 No. of meetings with various stakeholders:	No.	<input type="text" value="03"/>	Faculty	<input type="text" value="01"/>
Non-Teaching Staff	--	<input type="text"/>	Alumni	<input type="text" value="02"/>
Students	--	<input type="text"/>	Others	<input type="text" value="---"/>

2.12 Has IQAC received any funding from UGC during the year? No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i)No. of Seminars/Conferences/Workshops/Symposia organized by the IQAC: NIL

(ii)Themes

## 2.14 Significant Activities and contributions made by IQAC

IQAC is involved in improving Standards in different spheres of academic and administration as follows:

- Encourage the faculty to attend Faculty Development Programs, Orientation Programs
- Motivating the faculty to use ICT in the teaching-learning process
- Motivating the students to undergo online certification programs and career guidance programs.

## 2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year 2017-18:

Sl.No.	Plan of Action	Outcome/Achievements
1	To organize number of workshops and faculty development programs	<p>45 faculty members got benefitted by attending short term course on “Optimization using MATLAB” during 17-21 July 2017.</p> <p>A two-day course on “Introduction to Machine Learning” conducted by IIT-Khargapur was offered to faculty of CSE, ECE and MCA during 16-17 December. 41 faculty are benefitted by participating through remote centre at RVR&amp;JCCE.</p> <p>58 faculty members are benefitted by attending two-week AICTE sponsored FDP on “Innovations in Renewable Energy Harvesting and Environment Friendly Process Technologies for Sustainable Development” during 23<sup>rd</sup> October – 4<sup>th</sup> November conducted by the department of Chemical Engineering, RVR&amp;JCCE</p> <p>A two-day workshop on “Introduction to R-Programming” was organized by the Department of Computer Science and Engineering for faculty, during 16-17 August 2017.</p> <p>A two week ISTE STTP on “Electric Power System” funded by NMEICT (MHRD) was organized during 10-15 July, 2017 by the Department of Electrical and Electronics Engineering. 64 faculties participated in this workshop.</p> <p>A five day FDP on ‘Database Programming with PL/SQL’ was organized for the faculty during 29 Jan - 02 Feb, 2018 by Mr. Ritesh Jain, ERP Team Lead, Oracle.</p>



2	Encouraging the faculty to attend workshops/courses on ICT	<p>A Two-Week FDP101x “Foundation Program in ICT for Education” was held from August 3<sup>rd</sup> to September 13<sup>th</sup> 2017. A total of 88 faculty members got benefitted from this course. 22 faculty members participated when the same program is rerun during 8-3-2018 to 12-3-2018.</p> <p>Two-Week FDP201x “Pedagogy for Online and Blended Teaching-Learning Process” was held from September 14<sup>th</sup> to November 20<sup>th</sup> 2017. A total of 88 faculty members participated this course through IIT Bombay Remote Centre at RVR&amp;JCCE. 22 more faculties benefitted by attending rerun program conducted during 3-5-2018 to 30-5-2018.</p>
3	Creating awareness among the students on online certification programs and encouraging them to register through NPTEL local chapter	<p>The NPTEL on-line certification exam was taken by 613 students, conducted during September-October 2017 semester, 15 students received Toppers certificates, 10 students received Gold Medal certificates and 290 students received Elite certificates. Altogether, 525 students received NPTEL Certificates.</p>
4.	Conducting student training programmes for increasing the chance of employability	<p>80 final year B.Tech CSE Students have participated APSSDC workshop on python programming held during 21-06-2018 to 27-06-2018</p> <p>One week training program was conducted for final year B.Tech CSE students by APSSDC on Android held during 21-06-2018 to 27-06-2018 and 124 students are benefitted by attending the program.</p> <p>70 students improved their skills on python programming by attending the workshop conducted by APSSDC during 19-06-2018 to 25-06-2018</p> <p>IV/IV B.Tech ECE Students have enrolled APSSDC workshop on python programming held during 9-07-2018 to 14-07-2018.</p> <p>A Total of 113 students have registered for the Venture Development Diploma Program (VDDP) and a total of 41 venture ideas have reached the Ready stage and were shortlisted at different contests.</p> <p>In the Month of the May, 2018, i2e has offered the summer internship (14-05-2018 to 05-06-2018) for the RVR&amp;JCCE VDDP students. A total of 52 students have registered for the program of which 15 students are given the Internship certificate.</p> <p>A one week CRT Programme was held by the Triumphant Training Solutions &amp; Seventh Sense Talent Solutions for all the pre-final year students, in two spells. i.e, during 3-15 February.</p> <p>A Two day workshop on `Blockchain Technology – Bootcamp &amp; Hackthon` was held during 22 – 23 February by APITA.</p>

2.16 Whether the AQAR was placed in statutory body Yes

Management  Syndicate  Any other body

Provide the details of the action taken

The IQAC meets regularly to discuss various issues relating to teaching learning process, Research Development, Placements, curriculum updates/revisions. The plans of the IQAC are submitted to Principal, who intern discusses with all the Heads of the departments for appropriate action.

## Part–B

### Criterion– I

#### I. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of Programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	Most of the Professors and Faculty with PhD degree are guiding PhD Scholars			
PG	8	--	8	--
UG	7	--	7	--
PG Diploma	Not Available			
Advanced Diploma	Not Available			
Diploma	Not Available			
Certificate	Not Available			
Others	Not Available			
<b>Total</b>	15	--	15	--
Interdisciplinary	Not Available			
Innovative	Not Available			

##### 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

The curriculum structure is designed in such a way that it facilitates the courses required to attain the expected knowledge, skills and attitude by the time of their graduation as per the needs of the stake holders. The curriculum structure consists of various course categories to cover the depth and breadth required for the program and for the attainment of program outcomes of the corresponding program.

**Basic Engineering Sciences:** Basic Engineering Science courses give the knowledge, skills and attitude expected in UG engineering graduates of all programs.

- Basic Sciences and Mathematics
- Humanities and Social Sciences

**Engineering Core:** The Engineering core consists of set of courses considered essential for the students of the specific program. The courses under this category should satisfy the program specific criteria prescribed by the appropriate professional societies.

**Electives:** The program electives are set of courses which includes the contemporary trends of the domain, offered in the program which covers depth and breadth to further broaden their knowledge. The students may register for appropriate electives offered in the program based on their area of interest.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	15
Trimester	Nil
Annual	Nil

1.3 Feedback from stakeholders\* Alumni  Yes Parents  Yes Employers  Yes Students  Yes  
*(On all aspects)*

Mode of feedback : Online  Yes Manual  Yes Co-operating schools (for PEI)  --

*\*Please provide an analysis of the feedback in the Annexure. Annexure – III*

- Departments take feedback from the students on paper during the course work and also at the time of exit.
- Alumni/Employers feedback is collected through online or on paper.
- Feedback is taken from the parents during Parents meet and during the study period of their children.
- Alumni cell collects the feedback from the alumni during the Alumni Meets.

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

- For every four years the syllabus is revised/updated based on Industry trends/needs, Demand Analysis, opinion of Academic and Industrial Experts.
- Curriculum structure and syllabus is modified as per proposed AICTE model to be implemented from 2018 batch.

Salient features in revision are as follows:

- Syllabus is updated as per the university and industrial requirements.
- More number of elective subjects is offered enabling more choice while selective the subjects.
- More number of open elective subjects is introduced.
- Orientation program of 3 weeks is introduced for first year students.

1.5 Any new Department/Centre introduced during the year. If yes, give details: NIL

## Criterion– II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	260	179	48	33	-

2.2 No. of permanent faculty with Ph.D.	87
---	----

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	28	---	01	---	02	--	--	---	31	--

2.4 No. of Guest, Visiting and Temporary faculty

-----	-----	-----
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	72	95	6
Presented	72	95	6
Resource Persons	7	7	--

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Lesson Plans are prepared by the concerned teachers prior to the beginning of the semester and are notified through MOODLE to the students at the commencement of the semester.
- The faculties are using web resources such as MOODLE effectively to upload course materials, to conduct online quizzes etc.
- A good numbers of video lessons (NPTEL & MIT) are available on our server and they are being used by the teachers and the taught for the better understanding of the subjects.
- Lecture material is prepared incorporating the audio visual material. Many such lecture outlines are also given to the students as reading material and LCDs are used in all the class rooms for teaching.
- HOD periodically monitors teacher's dairy, lesson plans and suggests corrective measures if needed.
- Design based experiments and project works are given to the students.

2.7 Total No. of actual teaching days  
during this academic year

230
-----

2.8 Examination/Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, and Online Multiple Choice Questions)

- For each theory paper, marks are awarded based on performance in internal/sessional examinations for 40 marks and semester end examination is conducted for the remaining 60 marks.
- Questions papers will be obtained from the faculty of NITs, state universities and also from the faculty of host institute.
- To monitor the semester end examinations, two faculty members from other institutes are appointed as squad members.
- Spot valuation will be conducted by inviting senior faculty from other autonomous institutions and also from host institute.
- Provision for revaluation/personal verification by student is available if required.
- Double valuation system is adopted for PG programmes.

2.9 No. of faculty members involved in curriculum

107

Restructuring /revision /syllabus development

as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

84

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction%	I %	II %	III%	Pass%
B.Tech in ChE	43	37	47	2	--	86
B.Tech in CE	195	57	30	--	--	87
B.Tech in CSE	210	67	27	--	--	94
B.Tech in ECE	201	75	22	--	--	97
B.Tech in EEE	208	71	23	--	--	94
B.Tech in IT	112	53	37	--	--	90
B.Tech in ME	200	66	24	--	--	90
MBA						
MCA						
MTech PSE						
MTech MD						
MTech CSE						
MTech CE&SP						
MTech CS&T						
M.Tech SE						

Awaiting results for PG programs

## 2.12 Learning processes:

The IQAC of the College

- Collects course files randomly and assesses the process followed and the attainment of Course Outcomes
- Identifies the new methods of teaching adopted by the faculty and shares the same among the faculty
- Conducts workshops on the teaching-learning process
- Creates policies and procedures to strengthen the teaching-learning process
- Does continuous assessment of students through examination results, curricular and co-curricular activities. Through faculty SAR and feedback reports from the students the quality of the faculty is measured.
- Prepares action Report and the Principal takes necessary steps to implement it.

## 2.13 Initiatives undertaken towards faculty development

<i>Faculty/Staff Development Programmes</i>	<i>Number of faculty attended</i>
Refresher courses	29
UGC– Faculty Improvement Programme	48
HRD programmes	53
Orientation programmes	--
Faculty exchange programme	--
Staff training conducted by the university	58
Staff training conducted by other institutions	71
Summer/Winter schools, Workshops, etc.	124
Others	31

## 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	67	--	--	--
Technical Staff	58	--	--	--



## Criterion– III

### 3. Research, Consultancy and Extension

#### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

A research committee has been constituted in the college to Guide and motivate the faculty members to carry out their research activities. The research committee meets regularly to discuss about the latest trends in the research activities and steps to be taken to promote research activities in the Institution.

IQAC continuously monitors the research activities in the college and encourages faculty

- To identify the thrust areas of research
- To seek research grants from AICTE/DRDO, DST/UGC and other funding agencies to implement minor and major research projects
- To identify the budgetary requirements and resources for funding research
- To organize National seminars/workshops/conferences on research related concepts
- To attend Refresher/Orientation courses, conferences, seminars and workshops and every faculty member of the college participates at least in one event in an academic year. In the year 2017-2018, 414 Faculty members have participated in the workshops/ STTPs/ FDPs/Orientation programs organized by various Institutions across the country at national/international level
- To publish papers in national / international SCI Indexed journals /peer reviewed journals. They are also encouraged to publish books with national/international publishers. Nearly 169 papers are published by the faculty in reputed national/international journals/ conference proceedings during 2017-2018
- To see that results of research lead to publications/patenting/product generation

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Proposals Submitted
Number	02	03	--	--
Outlay in Rs. Lakhs	17.1	30.25	--	---

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	04	--	--
Outlay in Rs. Lakhs	--	8.76	--	--

3.4 Details on research publications

	International	National	Others
Peer Review Journals	135	14	--
Non-Peer Review Journals	1	--	--
e-Journals	24		
Conference proceedings	18	1	--

3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organizations

Nature of the Project	Duration Year	Name of the Funding Agency	Total grant sanctioned	Received
Major projects	3-5 years 2015	UGC	10,25,000	
Minor Projects	3 years 2016	UGC	---	6,96,000
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/College				
Students research projects <i>(other than compulsory by the University)</i>				
Any other (Specify)	1 year 2017-18	College Management	2,75,000	2,75,000
Total			13,00,000	16,36,000

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
DPE  DBT Scheme/funds

3.9 For colleges  
Autonomy  CPE  DBT Star Scheme   
INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	--	5	--	--	--
Sponsoring agencies	--	AICTE, IICHE	--	--	--

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations

International

National

Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency

From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	--
	Granted	--
International	Applied	--
	Granted	--
Commercialized	Applied	--
	Granted	--

3.17 No. of research awards/recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
5		5				

3.18 No. of faculty from the Institution who are Ph. D. Guides

and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled+ existing ones)

JRF

SRF

Project Fellows

Any other

3.21 No. of students Participated in NSS events:

University level	<input type="text" value="200"/>	State level	<input type="text" value="--"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.22 No. of students participated in NCC events:

University level	<input type="text" value="30"/>	State level	<input type="text" value="30"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.23 No. of Awards won in NSS:

University level	<input type="text" value="13"/>	State level	<input type="text" value="01"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value=""/>

3.24 No. of Awards won in NCC:

University level	<input type="text" value="--"/>	State level	<input type="text" value="--"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="--"/>	College forum	<input type="text" value="3"/>		
NCC	<input type="text" value="2"/>	NSS	<input type="text" value="11"/>	Any other	<input type="text" value="--"/>

### 3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- 250 NSS Volunteers planted 1000 saplings in the 'Vanam- Manam' Mega Plantation\ programme , organized by the Govt. of AP , inaugurated by Chandra Babu Naidu on 1st July, 2017, at Obulanaidupalem forest zone.
- 50 NSS volunteers participated in the Mega Medical Camp sponsored by Rayapati Charitable Association along with Dr.Ramesh Hospitals, Guntur on 22nd July, 2017 in Poleramma Temple at Chuttugunta.
- Involved in Mega Blood Donation Camp organized by NSS Cell, Acharya Nagarjuna University on 22nd July.
- Organized and participated in an Awareness Rally on "Rally for Rivers" on 24th Aug. 2017 responding to the call given by Sadguru Jaggi Vasudev, Isha Foundation.
- Conducted Blood Donation Camp on 22nd Dec.at Indian Red Cross Society Blood Bank, Guntur with 120 NSS volunteers and donated blood. The camp was inaugurated by Rotary Club International, PDG, Dr.Ravi Vadlamanu and PDG, Kishore Bhatt from Goa.
- 250 NSSvolunteersparticipatedandorganizedan Awareness Rally, sponsored by Rotary Club of Guntur, on 'End Polio Now' on 23rd Dec. with 7500 students from various schools and colleges.
- NCC cadets organized Waste Management Rally from Guntur Medical college to Police parade ground on 25th Nov.
- Special Yoga classes have been organized for NCC cadets in June 2018. Our cadets have represented Yoga day celebrations organized by NCC Group on 21st June 2018
- The NSS Unit Organized 'Janmabhoomi Maa Vooru' a government programme, with 150 NSS volunteers at Obulanaidupalem village, the RVR adopted village, during 6 -11 January. The village stood in first place, in the district, in 'Janmabhoomi MaaVooru' programme. The Chief Minister of AP honoured the Village Sarpanch at Velagapudi on 13th January.
- The NSS Unit organized awareness programmes on 'Swachh Bharat' Mission – Swachh Andhra – Swachh Guntur, during 26 Feb -6 March, with 150 NSS volunteers in seven villages, in Guntur Rural.900 volunteers took part in the programme.
- Conducted Blood Donation Camp at Indian Red Cross Society Blood Bank, Guntur on 29th March, in which, 75 NSS volunteers donated blood. The Camp was inaugurated by Mr. G. Sudhakar, Auditor and Mr. GYN Babu, Secretary, IRCS.
- On the occasion of National Youth Day, 150 NSS volunteers planted 130 saplings in Obulanaidupalem .
- Institution promoted design and fabrication of Gokart vehicle by a team of 25 Mechanical Engg students and encouraged to participate in national level contests organized by different societies during Jan-Feb 2018. The team secure prizes in the contests conducted at Hasten Gokarting, Hyderabad, Kari Motor Speedway, Coimbatore and Meco Kartopia, Bangalore.
- A Two-day national level youth festival was organized during 5<sup>th</sup> - 6<sup>th</sup> Jan-2018 in which various technical and cultural competitions were conducted.
- A technical model exhibition was conducted on 15<sup>th</sup> Sep 2017 on the occasion of Engineers day. Students from all department participated in the event by exhibiting more than 500 model and prizes are awarded for best 4 model from each department.

## Criterion- IV

### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area (Acres)	51.8	--	Sponsoring Society	51.8
Class rooms	95	--	Sponsoring Society/ Tuition fee	95
Laboratories	62	10	Sponsoring Society/ Tuition fee	72
Seminar Halls	5	--	Sponsoring Society/ Tuition fee	5
No. of important equipments Purchased ( $\geq$ 1-0 lakh) during the current year.	14	5	Tuition fee	19
Value of the equipment purchased During the year (Rs.)	17,14,11,532	1,92,81,236	Tuition fee	19,06,92,768
Others (Rs.)	61,48,51,546	3,51,91,870	Tuition fee	65,00,43,416

#### 4.2 Computerization of administration and library

- Library administration is fully computerized (OPAC)
- Implemented bar-coding system.
- Computerization for search, indexing, issue/return records
- Digital Library
- Wi-Fi facility for the campus.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (Rs.)	No.	Value (Rs.)	No.	Value (Rs.)
Text Books	1,09,308	2,54,08,978	4185	2013612	113493	2,74,22,590
Reference Books	29,165	1,12,26,048	748	5,70,598	29,913	1,17,96,646
e-Books	661	2,19,337	661	2,29,904	1322	4,49,241
Journals	114	1,26,714	114	1,26,714	228	2,53,428
e-Journals	5,000	23,49,984	5000	24,15,062	10,000	47,65,046
Digital Database	1	6,14,255	--	-	1	6,14,255
CD & Video	4,572	22,97,358	24	1,63,111	4,816	24,60,469
Others (specify)	NPTEL		DELNET, EDU LIB			

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1850	16	16Mbps (Dedicated) 40 Mbps (Shared)	2	3	25	1430	395
Added	320	02	100 Mbps (Dedicated) 40 Mbps	2	3	20	300	
<b>Total</b>	<b>2170</b>	<b>18</b>		<b>4</b>	<b>6</b>	<b>45</b>	<b>1730</b>	<b>395</b>

#### 4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

##### 4.6 Amount spent in Rs. on maintenance:

i) ICT	57,80,934/-
ii) Campus Infrastructure and facilities	57,74,569/-
iii) Equipments	14,08,123/-
iv) Others	7,01,16,959/-
<b>Total:</b>	<b>8,30,80,585/-</b>

## Criterion- V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- The IQAC has been enhancing awareness through various meetings and circulars about student support services.
- The students are thoroughly aware of available services for them like Canteen, Library and Reading rooms, Hostels, Games and Sports, Transportation, Healthcare, Computing, Internet facilities, NSS, NCC etc. and they are actively participating and using all such services.
- Students are trained by CRT programs for increasing the chances of employability and by APSSDC/IIP/EMD cell programs for improving their entrepreneur skills.
  - Venture Development Centre is created and interested students are pursuing Venture Development Diploma program offered by Northeastern University, Boston.

#### 5.2 Efforts made by the institution for tracking the progression

Student progression during the semester is monitored through:

- Day to day attendance in theory & lab classes and intimation to the parents
- Performance of the students in each internal examinations

Progress semester after semester is monitored through:

- The performance of the students in the end semester examinations
- Participation in Co-curricular and Extra-curricular activities

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
4,662	652	--	--

(b) No. of students outside the state

--
----

(c) No. of international students

--
----

Men	No	%	Women	No	%
	3436	64.66		1878	35.34



Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
3067	641	178	1506	5	5397	2707	666	180	1761	5	5314

Demand ratio: 99

Dropout% : 1.24

#### 5.4 Details of student support mechanism for coaching for competitive examinations

- Providing material for the preparation of the GATE, CAT, GRE ...etc.
- Personality development courses and student practice courses are part of the curriculum.
- Proposed to conduct special coaching in fundamentals by senior faculty.
- Intensive and periodic coaching in English language and Communication Skills.
- Cambridge English Certificate Program

No. of students beneficiaries

850

#### 5.5 No. of students qualified in these examinations

NET  SET/SLET  GATE  CAT   
IAS/IPS etc  State PSC  UPSC  Others

#### 5.6 Details of student counseling and career guidance

- Mentoring and counseling process is a continuous process
- This process has successfully resulted in improved student performance
- Training and Placement Cell arranged CRT classes for better employment of students
- Students are motivated to participate in various competitions conducted by different Universities and colleges

No. of students benefitted

650

#### 5.7 Details of campus placement

Number of Organizations Visited	<i>On campus</i>		<i>Off Campus</i>
	Number of Students Participated	Number of Students Placed	Number of Students Placed
68	1111	540	70

## 5.8 Details of gender sensitization programmes

- A Workshop on 'Health and Happiness' was held on 12th October, for the girl students of first year B.Tech, MBA, MCA. Ms. B. Rama Devi, faculty, Art of Living, Guntur, gave a session about the aspect of happiness with healthy life. She gave some real life examples to tell how practicing simple meditation techniques and yoga asanas shall make life good. She quoted that 'Physical activity is a great way to instantly increase the sense of well-being. Incorporating exercise into the daily routine leads to healthy and happy life in the long run'.
- Femi Quiz - 2k17 was organized on 22nd July, for all the girl students of the college. The theme of the programme 'Women Achievements & Great Women Personalities' gave a chance to girls to speak about the dynamic women and their successful lives. Nearly 100 students participated in this quiz contest.
- Thirty two students gave tough competition to Miss Ethnic competition. Students' talents were tested in different arts like singing, dance, Mehandi design, painting, dialogue delivery, paper craft etc to test the skills and confidence in them.
- A Role Play competition on 'Women Personalities' was organized on 19th Sept. for the under graduate and post graduate girl students, with an objective to blend learning with fun and also to develop confidence in the young women. Girl students showcased their talents by playing the roles of different characters like mother, student, and daughter, entrepreneur to bring to light the practical problems and achievements of great personalities in their play. It proved to be a great experience for the young engineers to showcase their potential.

## 5.9 Students Activities

### 5.9.1 No. of students participated in Sports, Games and other events

State/University level	164	National level	01	International level	--
------------------------	-----	----------------	----	---------------------	----

No. of students participated in cultural events

State/University level	150	National level	-	International level	
------------------------	-----	----------------	---	---------------------	--

5.9.2 No. of medals/awards won by students in Sports, Games and other events

Sports :State/University level  National level  International level

Cultural: State/University level  National level  International level

5.10 Scholarships and Financial Support

For 2017-2018	Number of students	Amount (Rs.)
Financial support from institution	260	42,60,000
Financial support from government	3124	14,43,53,200
Financial support from other sources	--	--

5.11 Student organized/ initiatives

Fairs : State/University level  National level  International level

Exhibition: State/University level  National level  International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: Nil

## Criterion– VI

### **6. Governance, Leadership and Management**

6.1 State the Vision and Mission of the institution

**Vision:**

*“To enrich the society through education by generating globally competent manpower that can make an honest living in the country or outside and capable of contributing to the socio-economic development and welfare of the society. To inculcate in the students and general public, social skills, respect for ethics and law, tolerance and understanding needed to peacefully co-exist in a multi-racial and multi ethnic society consisting of the very rich and very poor people”.*

**Mission:**

*An Integrated Development of manpower possessing Technological and Managerial Knowledge and Skills, Attitudes and Values needed to make an honorable living and contribute to the socio economic development and welfare of the Society”.*

6.2 Does the Institution has a management Information System

YES, Institute has its own MIS developed by the faculty to manage general administration, autonomous system, examinations, student attendance and continuous evaluation process.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

The institute is having autonomous status. Boards of Studies meetings are conducted every year to frame/revise/ correct the Syllabus. Major syllabus revisions are carried out once in four years and minor changes are carried out on an yearly basis. Feedbacks collected from students and other stakeholders are used in framing the curriculum.

6.3.2 Teaching and Learning

Following are the measures adopted by the institution for betterment of Teaching and Learning process.

- Project based learning
- Pre-placement training
- Initiative to arrange more campus placement drives qualitatively & quantitatively
- Motivation towards Research for staff and students
- Assistance to students to get admission for Higher Education.
- Encouraging students to do mini projects in the concerned subjects
- Expert lectures/NPTEL lectures to create wide exposure to students
- Conducting Skill Development training programs
- Video lessons, PPT's , E lessons, Lab Experiments on theoretical concepts
- Periodical evaluation of results and counseling the students as well as faculty

- Conducting extra classes for the slow learners
- Usage of Moodle-Online learning resources

### 6.3.3 Examination and Evaluation

- Autonomous end semester examination papers are being set and evaluated by external and internal experts
- Question paper detailed key and scheme of evaluation for spot valuation is being prepared by internal faculty members
- Spot valuation is carried out by external and internal faculty and the results are being declared within four weeks

### 6.3.4 Research and Development

Separate Research cell with Convener R & D is established to give support in terms of guidance in applying for funded projects & for all types of research activities.

- Exclusive Administration setup with Convener R&D
- R&D committee to review and motivate research
- Conducting awareness programs by experts from funding agencies such as DST and DRDO

### 6.3.5 Library, ICT and physical infrastructure/ instrumentation

- For sharing resources with other libraries to strengthen teaching-learning process, the college joined as an institutional member of DELNET. DELNET connects all libraries of the technical institutions approved by AICTE in the country
- OPAC software for library management
- 200 Mbps Internet Connection from BSNL for Staff and Students
- BSNL has provided 40 Mbps VPNoBB (Virtual Private network over Broad Band) connection under NME-ICT (National Mission on Education through Information and Communication Technology–Project initiated by Ministry of HRD).The objective of this project is to provide NME-ICT network connection to the colleges and universities of the nation to bring all educational institutions into a single network for sharing the information.
- NPTEL(National Programme on Technology Enhanced Learning–A joint venture of IITs and IISc) web courses and video courses are being used by staff and students to enhance their skills
- Wi-Fi connectivity is available in the campus
- Construction of additional Girls and Boys hostel blocks

### 6.3.6 Human Resource Management

- Annual assessment of faculty is done through Faculty Self Appraisal Performa (SAP)
- Induction training is conducted for new faculty members
- Support and guidance is given for carrying research activities, presenting papers in conferences and publishing papers in reputed journals
- Faculty are motivated to send research proposals to various funding agencies
- Faculty members are encouraged to apply for higher studies
- Faculty members are encouraged to participate in STTPs, FDPs, Seminars and Workshops organized by various Industries and Institutions

### 6.3.7 Faculty and Staff recruitment

Whenever there are vacancies advertisements are made through news papers and the recruitment is done by the Management through college staff selection committee as per the rules and regulations.

### 6.3.8 Industry Interaction / Collaboration

- Industry Interaction is integrated for all courses
- MOUs are signed with local industries for mutual benefit with the exchange of expertise
- Guest lectures are being conducted for faculty and students with industrial experts

### 6.3.9 Admission of Students

70% of the admissions are done by the Convener, EAMCET, Govt. of Andhra Pradesh. Remaining 30% of the seats are filled by the Management based on the guidelines given by Govt. of Andhra Pradesh.

### 6.4 Welfare schemes for

Teaching	<ul style="list-style-type: none"><li>➤ Free medical checkup and treatments at Hospitals run by the College Management members</li><li>➤ Group personal accidental Insurance<ul style="list-style-type: none"><li>For Deans/Heads of the Departments/Professors : 5Lakhs</li><li>For All committee conveners: 4Lakhs</li><li>For all Associate Professors/Assistant Professors: 3Lakhs</li></ul></li><li>➤ Laptops are provided to all heads of the departments</li><li>➤ Gratuity to all Teaching staff</li></ul>
----------	--

Non teaching	<ul style="list-style-type: none"> <li>➤ Free medical checkup and treatments at Hospitals run by College Management members</li> <li>➤ Free uniform and shoes are provided</li> <li>➤ College has a tie-up with Katuri Medical College, Guntur for emergency medical needs</li> <li>➤ Group personal accidental Insurance For Non-Teaching Staff 1Lakh For daily wage workers 1Lakh</li> <li>➤ Gratuity to all Non-Teaching staff</li> </ul>
Students	<ul style="list-style-type: none"> <li>➤ College Management is giving scholarships to poor &amp; merit students to encourage them and to reduce their financial burden.</li> <li>➤ Sponsoring gold medals to the toppers of all branches on the names of renowned (late) persons of the society to encourage competitive spirit among the students.</li> <li>➤ Students Group personal accidental Insurance of 1Lakh</li> <li>➤ College has a tie up with Katuri Medical College, Guntur for emergency medical needs</li> <li>➤ Dispensary in college campus to look after the medical needs.</li> </ul>

6.5 Total corpus fund generated in crores

3.8

6.6 Whether annual financial audit has been done Yes

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	--	Yes	
Administrative	No	--	Yes	

6.8 Does the University/Autonomous College declare results within 30days?

For UG Programmes    Yes        No   

For PG Programmes    Yes        No

6.9 What efforts are made by the University/Autonomous College for Examination Reforms?

- End Examination question paper setters are from both internal faculty and other University Colleges/NIT/IIT Faculty.
- Examiners for end examinations are from internal faculty and other University Colleges.
- Evaluation process involves coding & decoding of answer scripts.
- Physical Verification, Recounting and Revaluation of answer Scripts is provided to the students.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

The affiliating university, ANU nominates the persons of eminence for the college Governing body, Academic Council and Board of Studies to design the curriculum and provide the suggestions to improve the quality of education in the college.

6.11 Activities and support from the Alumni Association

- Alumni meets are conducted periodically
- Alumni interacts with the present students to motivate and guide
- Alumni also help in placement activity
- Alma matter is connected to the college through separate alumni portal and they are updated with the college achievements. Alumni also share their success stories as well

6.12 Activities and support from the Parent– Teacher Association

- Parent teacher informal meetings are being conducted to identify the issues related to students.
- There is no formal parent teacher association, however, a feedback from parents is collected occasionally in the prescribed format, analyzed and used for further improvement.

6.13 Development programmes for support staff

Supporting staff are sponsored to attend continuous education programs and to improve their qualification.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Sprinkler system is used for Greenery and Lawns
- Plantation is set in major places of the campus and maintained to make campus as eco-friendly



## Criterion – VII

### 7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- Introduced use of ICT in teaching and learning process..
- New circullam as per AICTE proposed model is prepared to be implemented for AY 2018-2019.
- Students and staff are encouraged to register online courses..
- Proctor system is adopted to monitor the regularity and performance of student.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

IQAC planned the objectives for current year (2017-18) and its progress was monitored through action taken report regularly from all concerned persons. In its meeting these action taken reports were discussed and correction was done appropriately whenever it was required.

Activity Planned	Status of Activity/ Action Taken
<p>It is planned to organize FDPs, STTPs, workshops and seminars to update the knowledge and skills of faculty</p>	<p>. 45 faculty members got benefitted by attending short term course on “Optimization using MATLAB” during 17-21 July 2017.            A two-day course on “Introduction to Machine Learning” conducted by IIT-Khargapur was offered to faculty of CSE, ECE and MCA during 16-17 December. 41 faculty are benefitted by participating through remote centre at RVR&amp;JCCE.            58 faculty members are benefitted by attending two-week AICTE sponsored FDP on “Innovations in Renewable Energy Harvesting and Environment Friendly Process Technologies for Sustainable Development” during 23rd October – 4th November conducted by the department of Chemical Engineering, RVR&amp;JCCE            A two-day workshop on ”Introduction to R-Programming” was organized by the Department of Computer Science and Engineering for faculty, during 16-17 August 2017.            A two week ISTE STTP on “Electric Power System” funded by NMEICT (MHRD) was organized during 10-15 July, 2017 by the Department of Electrical and Electronics Engineering. 64 faculty participated in this workshop.</p>
<p>For effective teaching and learning process, it is planned to motivate faculty on use of ICT by conducting FDP</p>	<p>A Two-Week FDP101x “Foundation Program in ICT for Education” was held from August 3rd to September 13th 2017. A total of 107 faculty members got benefitted from this course.            A Two-Week FDP201x “Pedagogy for Online and Blended Teaching-Learning Process” was held from September 14th to November 20th 2017. A total of 101 faculty members participated this course through IIT Bombay Remote Centre at RVR&amp;JCCE.</p>

It is planned to conduct more number of training programs, guest lectures on career guidance for improvement of campus placements	The NPTEL on-line certification exam was taken by 613 students, conducted during September-October 2017 semester, 15 students received Toppers certificates, 10 students received Gold Medal certificates and 290 students received Elite certificates. Altogether, 525 students received NPTEL Certificates.
---	---

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- Enhancing student skill set
- Comprehensive Student Monitoring System

*\*Provide the details in annexure (annexure need to be numbered as i, ii,iii) Annexure– IV*

7.4 Contribution to environmental awareness /protection

- Conducting environmental awareness workshops/ seminars by inviting the experts through Eco club of the college
- Offering Environmental Science as a compulsory subject
- Organising Swacha Bharath campaign etc.,
- Planting of trees in the campus
- Construction of rainwater harvesting pits in the campus

7.5 Whether environmental audit was conducted?    Yes     No   

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

NIL

## 8. Plans of Institution for Next Year

- Conducting training program on teaching methodologies for newly recruited faculty.
- Organising a workshop on research methodology for faculty.
- Strengthening of research by motivating the faculty to participate in conferences and workshops.
- Improving teaching-learning process by encouraging use of ICT in education
- Improving employability of graduates by conducting skill development training programs.
- Improving the overall social betterment of nearby villages by organizing Exchange of knowledge / awareness programs.

Name: *Dr.A.Srinivasa Prasad*



Signature of the Coordinator, IQAC



Name: *Dr.K.Srinivasu*



Signature of the Chairperson, IQAC

**PRINCIPAL**  
**R.V.R. & J.C. College of Engineering**  
Chandramoulipuram, Chowdavarum  
GUNTUR - 522 019. A.P.

# Annexure I

## Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

\*\*\*\*\*

# Annexure-II

## Academic calendars of the year 2017-18

E-mail : rvjccce@hotmail.com  
Website : rvjccce.ac.in

Office : 94910 73317 & 18  
2288201  
Fax : 0863-2350343

### R.V.R. & J.C. COLLEGE OF ENGINEERING

NAAC 'A' grade

(AUTONOMOUS)

Approved by AICTE :: Affiliated to Acharya Nagarjuna University :: Accredited by NBA  
(Sponsored by Nagarjuna Education Society); Chandramoulipuram, Chowdavaram, GUNTUR-522 019 (A.P.)

President :

**Dr. K. BASAVAPUNNAIAH, M.B.B.S.**

Vice-Presidents :

**Y.T. RAJA, B.E.**

**Dr. A. LAKSHMAIAH, F.R.C.S.**

Treasurer :

**Dr. M. GOPALKRISHNA, M.S.**

Secretary & Correspondent :

**R. GOPALA KRISHNA**

Date.....

DT: 04-09-2017

#### C I R C U L A R

Following is the **Academic Calendar** for the Year **2017-18** for  
**I-Year MBA and MCA:**

Description	I Semester Schedule	II Semester Schedule
Date of commencement of Class Work	03.08.2017	03.01.2018
First Mid-term Examinations	23.10.2017	05.03.2018
Last Instruction Day	05.12.2017	08.05.2018
Second Mid-term Examinations	06.12.2017	09.05.2018
Preparation Holidays from	11.12.2017	14.05.2018
Commencement of Semester end examinations	16.12.2017	28.05.2018
Semester end practical examinations (Only for MCA)	After theory examinations	After theory examinations

**Dasara holidays** : 24.09.2017 to 30.09.2017 (both days inclusive)  
**Pongal holidays** : 12.01.2018 to 17.01.2018 (both days inclusive)

**Commencement of Class Work for the year 2018-19:**

**For II MCA : 14.06.2018**

**For II MBA : 23.07.2018**

**[ I MBA Summer Internship – 6 weeks (10-06-2018 to 21-07-2018) ]**

  
(Dr.K.SRINIVASU)  
PRINCIPAL

Copy to:

All HODs: with a request to circulate among their staff and inform the students.

Directors

Registrar

Deans

Librarian

Examination Section

Examination Cells

Conveners of all Committees

Office

Signage display

Web-studio

nv.ur

CITY CENTRE : Main Road, S.V.N. Colony, Guntur - 522 006, Phone : 2232505, Fax : 0863-2350343  
Res. Phones : Sec. & Corr. : 2337912; Principal : 2232353; Registrar : 2357431

**R.V.R. & J.C. COLLEGE OF ENGINEERING :: GUNTUR-522019**



Date: 29<sup>th</sup> June, 2017

**Academic Calendar for II/III MCA (III-Semester) & III/III MCA (V-Semester) classes for the Academic Year 2017-2018**

Description	III & V Semesters MCA
Commencement of Class Work	22-Jun-2017
Commencement of First Series of Internal Examinations	21-Aug-2017
Commencement of Second Series of Internal Examinations	23-Oct-2017
Internal Practical Examinations	Last Lab Slots as per regular Time-Table
Last date for closure of Instruction	21-Oct-2017
Commencement of Semester-end Theory Examinations	10-Nov-2017
Semester-end Practical Examinations	After Theory Examinations

*Dasara Vacation : 24-09-2016 to 30-09-2016*

*Commencement of IV Semester MCA class work and VI Semester MCA project work: immediately after completion of the University examinations.*

  
(Dr.K.SRINIVASU)  
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Copy To:

- 1) HODs, CA – with a request to circulate among staff members and students.
- 2) Registrar.
- 3) All Directors.
- 4) All Deans.
- 5) Librarian.
- 6) Examination Section.
- 7) Website in-charge.
- 8) File Copy.

**R.V.R. & J.C. COLLEGE OF ENGINEERING(Autonomous)**



Date: 1<sup>st</sup> August, 2017

**REVISED Academic Calendar for II/III MCA (III-Semester) & III/III MCA (V-Semester)  
classes for the Academic Year 2017-2018**

Description	III & V Semesters MCA
Commencement of Class Work	22-Jun-2017
Commencement of First Series of Internal Examinations	16-Aug-2017
Commencement of Second Series of Internal Examinations	09-Oct-2017
Internal Practical Examinations	Last Lab Slots as per regular Time-Table
Last date for closure of Instruction	07-Oct-2017
Commencement of Semester-end Theory Examinations	23-Oct-2017
Semester-end Practical Examinations	After Theory Examinations

*Dasara Vacation :24-09-2016 to 30-09-2016  
Commencement of IV Semester MCA class work and VI Semester MCA project work:  
immediately after completion of the University examinations.*

*K. Srinivasu*  
(Dr.K.SRINIVASU)  
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**Dr. A. LAKSHMAIAH**, F.R.C.S.

Treasurer :

**Dr. M. GOPALKRISHNA**, M.S.

Secretary & Correspondent :

**R. GOPALA KRISHNA**

Date.....

DT: 25-10-2017

## NOTICE

Following is the proposed **Academic Calendar** for the Year **2017-18** for  
**I Year M.Tech.**, Classes (under R-17 Autonomous Regulations):

Description	I Semester Schedule	II Semester Schedule
Date of commencement of Class Work	15.09.2017	26.02.2018
First Mid-term Examinations	27.11.2017	23.04.2018
Last Instruction Day	27.01.2018	04.08.2018
Second Mid-term Examinations	29.01.2018	06.08.2018
Preparation Holidays from	04.02.2018	13.08.2018
Commencement of Semester end examinations	12.02.2018	20.08.2018
Semester end practical examinations	After theory examinations	After theory examinations

**Pongal holidays : 12.01.2018 to 17.01.2018 (both days inclusive)**

**Summer Internship: Minimum of 4 weeks in between 30.04.2018 to 10.06.2018**

**Commencement of Class Work for III Semester : 03.09.2018**  
**IV Semester : 24.12.2018**

**Project Thesis should be submitted not before: 01.07.2017 and not later than 30.08.2018**

  
(Dr. K. SRINIVASU)  
PRINCIPAL

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Deans  
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Examination Cells  
Conveners of all Committees  
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Signage display  
Web-studio

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Res. Phones : Sec. & Corr. : 2337912; Principal : 2232353; Registrar : 2357431



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Website : rvjcee.ac.in

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2288201  
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**Dr. K. BASAVAPUNNAIAH**, M.B.B.S.

Vice-Presidents :

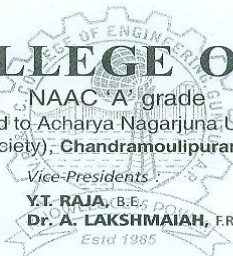
**Y.T. RAJA**, B.E.  
**Dr. A. LAKSHMAIAH**, F.R.C.S.

Treasurer :

**Dr. M. GOPALKRISHNA**, M.S.

Secretary & Correspondent :

**R. GOPALA KRISHNA**



Date.....

DT: 04-09-2017

## CIRCULAR

Following is the Academic Calendar for the Year 2017-18 for  
**I-Year B.Tech.:**

Description	I Semester Schedule	II Semester Schedule
Date of commencement of Class Work	26.07.2017	03.01.2018
First Mid-term Examinations	23.10.2017	05.03.2018
Last Instruction Day	02.12.2017	08.05.2018
Second Mid-term Examinations	04.12.2017	09.05.2018
Preparation Holidays from	10.12.2017	15.05.2018
Commencement of Semester end examinations	16.12.2017	28.05.2018
Semester end practical examinations	After theory examinations	After theory examinations

**Dasara holidays** : 24.09.2017 to 30.09.2017 (both days inclusive)

**Pongal holidays** : 12.01.2018 to 17.01.2018 (both days inclusive)

**Commencement of Class Work for II-Year B.Tech., for the year 2018-19: 14-06-2018.**

*K. Srinivasu*  
(Dr.K.SRINIVASU)  
PRINCIPAL

Copy to:

All HODs: with a request to circulate among their staff and inform the students.

Directors

Registrar

Deans

Librarian

Examination Section

Examination Cells

Conveners of all Committees

Office

Signage display

Web-studio

*UH*  
*04/09/2017*

CITY CENTRE : Main Road, S.V.N. Colony, Guntur - 522 006, Phone : 2232505, Fax : 0863-2350343  
Res. Phones : Sec. & Corr. : 2337912; Principal : 2232353; Registrar : 2357431

E-mail : rvjce@hotmail.com  
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Office : 94910 73317 & 18  
2288201  
Fax : 0863-2350343

# R.V.R. & J.C. COLLEGE OF ENGINEERING

NAAC 'A' grade

(AUTONOMOUS)

Approved by AICTE :: Affiliated to Acharya Nagarjuna University ::  
(Sponsored by Nagarjuna Education Society), Chandramoulipuram, Chowdavaram, GUNTUR-522 019 (A.P.)

President :

**Dr. K. BASAVAPUNNAIAH**, M.B.B.S.

Vice-Presidents :

**Y.T. RAJA**, B.E.

**Dr. A. LAKSHMAIAH**, F.R.C.S.

Treasurer :

**Dr. M. GOPALKRISHNA**, M.S.

Secretary & Correspondent :

**R. GOPALA KRISHNA**

Date.....

DT: 20-04-2017

## NOTICE

Following is the proposed **Academic Calendar** for the Year **2017-18** for  
**II B.Tech., III B.Tech., & IV B.Tech., classes:**

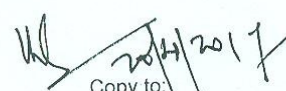
Description	First Semester Schedule	Second Semester Schedule
Date of commencement of Class Work	14.06.2017	27.11.2017
First Mid-term Examinations	07.08.2017	27.01.2018
Last Instruction Day	21.10.2017	04.04.2018
Second Mid-term Examinations	23.10.2017	06.04.2018
Preparation Holidays from	29.10.2017	12.04.2018
Commencement of Semester end examinations	06.11.2017	19.04.2018
Semester end practical examinations	After theory examinations	After theory examinations

**Dasara holidays** : 24.09.2017 to 30.09.2017 (both days inclusive)

**Pongal holidays** : 12.01.2018 to 17.01.2018 (both days inclusive)

**Commencement of 2<sup>nd</sup>, 3<sup>rd</sup> and final year B.Tech., for the year 2018-19: 14.06.2018**

  
(Dr.K.SRINIVASU)  
PRINCIPAL

  
Copy to:  
All Notice Boards  
Directors  
Registrar  
Deans  
All HODs: with a request to circulate among their teaching and non-teaching staff.  
Librarian  
Examination Section  
Examination Cells  
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**R.V.R. & J.C. CITY CENTRE** : Main Road, S.V.N. Colony, Guntur - 522 006, Phone : 2232505, Fax : 0863-2350343  
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# Annexure-III

## Feedback analysis

### EXIT SURVEY ANALYSIS REPORT

#### Summary of the ratings from exit survey in %

##### Overall Assessment of the B.Tech. Curriculum:

Curriculum	Not satisfied (%)	Some what satisfied (%)	Satisfied (%)	Very much satisfied (%)	Extremely satisfied (%)
Basic Sciences	0.5	21.9	71	5.5	1.1
Engineering Sciences	0	17.4	73.4	8.2	1.1
Humanities	1.1	17.5	68.9	9.3	3.8
Communication Skills	1.6	23	63.1	9.6	2.51
Core courses	0	15.6	65.1	16.1	3.2
Elective Courses	0.5	23.9	60.1	12.2	3.2
Laboratories	0.5	8.1	56.5	25.3	9.7
Term paper &Project work	0.5	9.7	58.6	22	9.1

##### Assessment of Program Outcomes (POs):

Code	Program outcomes Engineering Graduates are be able to:	Not satisfied (%)	Some what satisfied (%)	Satisfied (%)	Very much satisfied (%)	Extremely Satisfied (%)
PO-1	<b>Engineering knowledge:</b> Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	1.7	23.6	64.4	9.2	1.1
PO-2	<b>Problem analysis:</b> Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	1.1	22.1	69.2	6.4	1.2
PO-3	<b>Design/development of solutions:</b> Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.	1.7	22.4	63.8	10.3	1.7

Code	Program outcomes Engineering Graduates are be able to:	Not satisfied (%)	Some what satisfied (%)	Satisfied (%)	Very much satisfied (%)	Extremely Satisfied (%)
<b>PO-4</b>	<b>Conduct investigations of complex problems:</b> Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	1.1	27	63.2	6.9	1.7
<b>PO-5</b>	<b>Modern tool usage:</b> Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.	0.6	22.5	64.2	11	1.7
<b>PO-6</b>	<b>The engineer and society:</b> Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	0.6	18.6	63.4	15.1	2.9
<b>PO-7</b>	<b>Environment and sustainability:</b> Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	1.2	15.7	65.7	13.4	4.1
<b>PO-8</b>	<b>Ethics:</b> Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	1.7	15.6	68.8	10.4	3.5
<b>PO-9</b>	<b>Individual and team work:</b> Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	0.6	15.3	67.1	13.5	3.5
<b>PO-10</b>	<b>Communication:</b> Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	0	26	61.8	10.4	1.7
<b>PO-11</b>	<b>Project management and finance:</b> Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	1.7	16.9	67.4	12.2	2.3
<b>PO-12</b>	<b>Life-long learning:</b> Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.	0.6	18.5	62.4	15	4

**Overall Assessment of Student Experience:**

Students Experience	Not satisfied (%)	Somewhat satisfied (%)	Satisfied (%)	Extremely satisfied (%)
<b>1. Quality of Instruction by the Faculty in</b>				
Basic Sciences	0.6	33.9	63.8	1.7
Engineering Sciences	0.6	25.1	71.5	2.8
Humanities	1.7	24.2	69.1	5.1
Core / Elective	1.1	22.7	69.3	6.8
<b>2. Quality of Facilities</b>				
Class Rooms	0.6	26.7	64.8	8
Laboratories	0.6	16.6	68	14.9
Library	1.1	16.8	64.2	17.9
Computing	1.7	15.2	68	18.2
<b>3. Quality of Career Guidance Facilities</b>				
Placement Training	4	36.4	55.1	4.5
Soft Skills Training	2.8	31.3	60.3	5.6
Campus Interviews	6.4	28.2	61.4	4
<b>4. Quality in Other Services</b>				
Food facility	4	29.9	57.1	9.6
Hostel	4.7	27.1	60	8.8
Sports	1.7	26.4	59.8	12.1
Overall Infrastructure	1.2	17.6	69.4	11.8
<b>5. How is your overall satisfaction with your education at RVR &amp; JCCE?</b>	0.6	18.8	72.5	8.1

## ALUMNI SURVEY FORM ANALYSIS

ONLINE SURVEY TAKEN THROUGH PORTAL DURING MARCH 2017

NO. OF RESPONSES RECEIVED: 231

Analysis on opinion of the alumni during their stay at RVR&JC CE

	Response in %				
	Excellent	Good	Average	Poor	No comment
core knowledge imparted	47.19	49.35	3.46	0.00	0.00
Extra- curricular activities	45.02	46.75	6.06	2.16	0.00
co-curricular activities	43.29	43.72	11.26	1.73	0.00
professional society activities	37.66	46.75	12.12	3.46	0.00
professional skills imparted	42.42	46.32	9.09	2.16	0.00
team work encouragement in labs and project works	45.89	46.75	6.93	0.43	0.00
Self- learning opportunities	44.16	46.75	8.23	0.87	0.00
Self- learning facilities	54.55	37.23	7.79	0.43	0.00
encouragement of industrial training	34.20	44.59	17.75	3.46	0.00

## **Analysis of Employer Feedback**

**Do you find our graduate able to**

**1 = Strongly Disagree 2 = Disagree 3 = Not sure 4 = Agree 5 = Strongly Agree**

**Obtain solutions to engineering problems and provide quality services to engineering related industries:**

93.75% of employers agreed/ strongly agreed that our students are able to get solutions to engineering problems and provide quality services to the industry.

Analysis: It can be inferred from the above feed back that most of our students are capable enough in implementing their conceptual knowledge at work place

**Act professionally and ethically while making significant contributions for the benefit of community, region, nation and beyond:**

93.75% of the employers agree that our students Act professionally and ethically and are making significant contributions.

Analysis: It can be interpreted from the analysis that our graduates are professionally and ethically strong at their work place.

**Lead a team as well as being a team player:**

62.5% of the employers felt that our graduates will be able to lead teams.

Analysis: From the above analysis it can be inferred that RVR&JCCE students are capable to work as a team player and as an individual as well.

**Continuously undertake professional development:**

31.25% of the employers strongly agree and 68.75% of the employers agreed that our students continuously undertake professional development.

Analysis: From the above analysis it can be inferred that most of the employers rated in a positive way about their employees (RVR&JCCE students) skills.

**Demonstrate skills in organizing and managing business:**

12.5% of the employers strongly agreed and 37.5% agreed that our students demonstrate skills in organizing and managing their business.

Analysis: From the above analysis it can be inferred that most of the employers are satisfied with the contribution by our students in organizing and managing their business.

## **Analysis of Parents Feedback**

### **1. Do you find this institution better than others for your ward? Yes/ No.**

82% of the parents responded that this institution is better than other institutions.

Analysis: From the above analysis we infer that majority of the parents accepted that the course accomplishments were worth the resources they have invested for their wards.

### **2. Do you feel facilities in the institution are adequate? Yes/ No.**

81% of the parents felt that facilities in the institution are adequate for their wards.

### **3. Do you feel that your ward is physically secured in the campus? Yes/ No.**

96% of the parents positively responded that physically the campus is more secured for their children.

### **4. Are you satisfied about hostel facilities? Yes/ No/Not Applicable.**

72% of the parents responded positively with the hostel facilities provided to their wards in the hostels, particularly the affordability.

Analysis: Most of the parents are satisfied with the facilities in the Institution campus and hostels. They have also responded positively towards the security given to their wards in the hostels.

### **5. Are you satisfied for cooperation from the administrative staff? Yes/ No.**

84% of the parents responded positively towards the cooperation extended by administrative staff.

Analysis: It can be inferred that many of the parents are able to get the cooperation from the administrative staff of the college.

### **6. Can you make direct communication with teaching staff? Yes/ No.**

88% responded that they are able to communicate directly with teaching staff of the college.

Analysis: It can be inferred that most of the parents are able to make direct communication with the teaching staff of the college which helps in monitoring the performance of their ward.

### **7. Do you find up gradation of hard and soft skills in your son/daughter? Yes/ No.**

85% agreed that institution contributes to a greater extent in their wards Improvement.

Analysis: Majority of the parents accepted that contribution level of institution towards their ward is done at a greater extent in improving skills which are required in meeting the current competition



# ANNEXURE-IV

## Two Best Practices

### 1.Improving students skill set

#### **Details of the activities conducted for improving student skill set during AY2017-2018**

#### **Workshops/Seminars/Guest lectures (ORGANISED)**

- Dr. S. V. Satyanarayana, Professor, Department of Chemical Engineering, JNTU College of Engineering, Ananthapur, delivered a guest lecture on 'Application of Membrane Processes for Clean Environment' on 1st July, 2017.
- Mr. K. ChanduBabu, Senior officer HRD, Rashtriya Chemicals and Fertilizes Ltd., delivered a guest lecture on 'Heat Transfer over Urea Production' on 31st July, 2017.
- Mr. K. Yeswanth Krishna, Assistant System Engineer, TCS, Whitefield, Bangalore, delivered a guest lecture on 'Employability Skills' on 19 August, 2017.
- Mr. J. Siva Rama Krishna, Principal Scientist, Halliburton Upstream Oil & Gas Services Company, Pune, delivered a guest lecture on 'Opportunities in for Chemical Engineers in Plant Design' on 19 August 2017.
- Ms. N. Rasmi, Project Manager, Infosys Ltd., Pune, delivered a guest lecture on 'Opportunities for Chemical Engineers' on 16 October 2017.
- Dr. Venkata Subbarayudu Sistla, Asst. Prof., Department of Chemical Engineering, Rajiv Gandhi Institute of Petroleum Technology, Amethi, U.P, delivered a guest lecture on 'Application of Technical Crystallization in Petroleum Industry and Solar Energy Storage' on 28 Nov, 2017.
- Dr. Tanmay Basak, Professor, Department of Chemical Engineering, IITM, Chennai, delivered a guest lecture on 'Advances in Computational Fluid Dynamics of Chemical Processes' on 30 November 2017.

Professor Raghava Rao, Kommalapati, Director, Center for Energy & Environmental Sustainability (CEES), Department of Civil and Environmental Engineering, Prairie View A&M University, delivered a lecture on 'Energy and Environmental Sustainability: Outlook, Challenges and Opportunities' on 22 December. In his lecture, he enlightened students about various career opportunities in Civil Engineering along with relevant challenges faced by civil engineers in the society. He also educated students on the need for construction of environmentally sustainable construction practices in the construction industry.

- Dr. T. Thyagarajan, Associate Professor, Department of Civil Engineering, IITM, Chennai, delivered a lecture on 'Lime precipitation technique' on 30 November 2017. In his

lecture, he enlightened students about the role of Lime Precipitation techniques in Ground Improvement

- Mr.Sudheer Chunduri, Assistant Computer Scientist, Argonne National Laboratory, delivered a lecture to all the third year students on 'Introduction to Super Computing' on 1 Aug, 2017. In his lecture, Mr. Sudheer explained on the need for supercomputer, technology trends, architecture of supercomputers, programming concepts in supercomputer and current challenges in designing a supercomputer. Mr .Sudheer is the alumni of RVRJCCE, CSE Dept.
- Mr. M. Harshavardhan, Chief Security Officer, XploreNew, Hyderabad, delivered a lecture to all the third year students on 'Ethical Hacking & Counter Measures' on 8 Sept, 2017. In his lecture, Mr. Harshavardhan educated students on how phishing attack possible on a website and its prevention measures.
- 'Logo and Web page Design Contest' was conducted for all the students of B.Tech on 28 Aug 2017.
- Coding contest 'Reverse Coding' was conducted for all the students of B.Tech, during 27- 28 Aug 2017.
- Guest lecture was organized for second and third B.Tech students on 'Multi-Core Technologies' by Mr. A .V. Maruthi Sairam, Scientist E, DRDO, Hyderabad on 29 Dec 2017.
- Mr. K. Jangaiah, Superintending Engineer,Centre of Excellence for Training & Development, T.S.GENCO, Paloncha, Telangana State, delivered a lecture to all the final and third year students of EEE on 'EHT/HT/Grid Distribution System' on 28 Aug, 2017.
- Dr. Ramaiah Divi, Lead Engineer, Transmission system planning from Alberta Electric Corporation, Canada, in association with IEEE, Guntur Subsection, gave an expert lecture on 'Power System Planning' to all the final and third year students of Electrical Engineering on 22 Dec, 2017.
- A one day workshop on 'Salesforce EDU outreach program' was organised for the third and fourth year B.Tech students during 20th - 23rd September, 2017 which is designed to teach the students how to build cloud applications.
- A one day workshop on 'Data Visualization using R' was organised for the third and fourth year B.Tech students on 8th December, 2017, Resource Person, Mr. P.E.S.N. Krishna Prasad, Dept. of CSE, PVP Siddhartha Institute of Technology, educated students on how to use machine learning techniques to solve real time problems with case studies, using R.
- Dr. K. Chandra Sekaran, Professor, Dept. of CSE, NIT Surathkal, Karnataka, addressed to all the final year B.Tech students on 'Internet of Things' on 1st July, 2017. He had educated students on how to connect ordinary things to computers to make them intelligent.

- InformaTriX, the IT student club organized a programming contest 'Code A Thon-2017' for two days i.e on 21st & 22nd August-2017. The contest was open for all the branches of engineering. Nearly 400 students competed in this event cash prize of Rs.2,000/- for Winner and Rs.1,500/- for Runner is awarded.
- A one week short term course was held on 'Optimization using MATLAB' in association with NITTTR Chandigarh during 17-21 July, 2017. Dr. S. Radhika, Assoc. Professor coordinated the STC.
- An AICTE sponsored two day national seminar on Advances in Nanocomposite Materials and their Fabrication was organized during Nov, 2-3, 2017. Prof. V. Chittaranjan Das coordinated the programme.
- A one week short term course of the NITTTR ICT on 'Product Design and Development' was held during 6-10.
- Dr. Y. Srinivasulu, Associate Professor, Department of International Business, Pondicherry University, Pondicherry, delivered a lecture to all the first year students on 'Doing Business in the changing Global Environment', on 23 September, 2017. In his lecture, Dr.Srinivasulu enlightened students on developing communication skills and advised the students on doing online courses such as Digital Marketing, E-Business, CRM, etc., He advised the students to follow the marketing and advertising strategies followed by the companies, and they try to study the methods and media of new advertisements, commercials being released in the print and electronic media.
- Mr. T.V.S. Rao, Sr. Vice President, HDFC Bank, Hyderabad, delivered a lecture to all the first and final year students on 'Career Prospects for Management Graduates in Banking, Financial Services and Insurance Sector, on 25 November, 2017. In his lecture, T.V.S.Rao exhorted the students to develop communication skills and advised the students to track the stock price movements of important shares such as ITC, RIL, HDFC Bank etc., and also the movement of crude oil, gold, silver, platinum trading etc., He predicted that the market capitalization of HDFC Bank will cross Rs.5 Lakh Crore by 31 December 2017. It did happen on 18 January 2018, HDFC Bank became the first Indian bank to cross Rs.5 trillion mark in market capitalization and his another prediction that Reliance Industries Ltd (RIL), would become the top company in India in market cap. HDFC equalized RIL but within 5 days RIL market cap moved to Rs. 6 trillion and it became No.1 by overtaking HDFC bank. He stressed that all students of MBA should have minimum 2 to 3 online certifications before they complete the final semester of MBA.
- Professor T. Sreenivas, Dean, Department of Business Management, Yogi Vemana University, delivered a lecture to all the first year students on 'Innovative Management Practices for New Millennium Organizations', on 1 December, 2017. In his lecture, Prof. Sreenivas enlightened students on the new and upcoming organizations such as Amazon, Flipkart, Microsoft, Apple etc., how their founding CEO who have not even completed graduation were

able to innovate and develop successful new organization in the start of millennium. In the second session he dealt about how to deal a case study and he conducted two live cases, one, on motivation and other on leadership in organizations.

- K.Sreenivasa Rao, Associate Professor, School of Information Technology, Indian Institute of Technology, Khargpur delivered a guest lecture on ‘Speech signal processing’ to the third and final year students of ECE, on 1st July, 2017. In his lecture, he explained about recent trends in cepstral analysis.

- Mr. O. Rama Rao, Retd. Asst. General Manager, Food Corporation of India was invited to deliver a guest lecture on ‘Personality Development’ for the students of second and final year MCA on 10 July; 2017.He has provided guidelines to excel in their personal and professional life.

- Mr. Pulukuri. Srinivasa Rao, System Engineer, TCS, Hyderabad, was invited to deliver a guest lecture on ‘Employability Skills’ for the students of second and final year MCA on 29 July, 2017.He explained about different opportunities in industry and the technical skills expected by the industries.

- Mr.Shaik Ibraheem Khaleelulah, Quality Assurance Engineer, Arcserve India Software Solutions pvt Ltd., Hyderabad, was invited to deliver a guest lecture on ‘Industry Expectations’ for the students of final year MCA on 5 August, 2017.He had explained about job opportunities in IT industries and suggested final year students for industry expectations.

- Mr.Shaik Ibraheem Khaleelulah, Quality Assurance Engineer, Arcserve India Software Solutions pvt Ltd., Hyderabad, was invited to deliver a guest lecture on ‘Career Guidance’ for the students of second year MCA on 5 August, 2017.He advised students to improve themselves in reaching their goals.

- Mr.Shalem Raju Lingam, Sr. Software Engineer, Techmahindra and Mr.ImranSharifShaik,Sr.Consultant, Oracle, Hyderabad, were invited to deliver a guest lecture on ‘Mock Interviews’ for the students of final year MCA during 16-17 September, 2017.

- Mr. M. Sahitya Chandra, of Saahi Automation Solutions, was invited to deliver a guest lecture on ‘IoT’ for the students of second year MCA on 13 November, 2017.He talked on the current scenario of IoT in real world and also provided guidelines to complete a software project.

- Mr.Patibandla Rajesh, Senior Process Engineer, EQUATE Petrol Company, Kuwait, delivered a guest lecture on ‘Process Engineering Skills, Process Design and Plant Exposure’ on 3<sup>rd</sup> January, 2018.

- Mr. M. Rama Krishana, Asst. General Manager (HR&S), The KCP Ltd., delivered a guest lecture on ‘Opportunities for Chemical Engineers in Cement Industry’ on 28<sup>th</sup> February, 2018.

- Mr.N.Renu Babu, Oil Technologist, M/s. Sri Dhanalakshmi Group of Industries (Oil Division), Ganapavaram, Guntur, delivered guest lecture on ‘Extraction of cotton seed oil’ on 6<sup>th</sup> march, 2018.
- Mr. Ashish Kumar, Managing Director, XPLOCC Technologies, Lucknow, delivered a guest lecture on ‘Operations and Expansions in the Process Industries’ on 19<sup>th</sup> march, 2018.
- Mr. O.S.Siddhardha, Scientist, SatishDhawan Space Centre (SDSC), SHAR, delivered a guest lecture on ‘career guidance for Chemical Engineers’ on 19<sup>th</sup> March, 2018.
- Mr.G.Venu Babu, Head of the Department Technical Services, Hetero Drugs, Hyderabad, delivered a guest lecture on ‘Awareness on Energy Conversation’ on 25<sup>th</sup> June, 2018.
- Sri K.Balakishore,Senior Analyst,BA Continuum India Pvt.Ltd.,Hyderabad, delivered a guest lecture on ‘Current Trends in Software Industies’ to the third year students of ECE, on 30<sup>th</sup> June, 2018.He had educated the student about the growing importance of ethics in technology innovation and voice assistant technology integration.
- Sri K.Sai Prasad Chowdary,Director,Veda Technologies ,Hyderabad,delivered a guest lecture on ‘Career guidance and Technical Awareness Program’ to the third year students of ECE, on 30<sup>th</sup> June, 2018. He had educated about how to choose a right career for the students to translate into a professional success and contentment.
- Dr.Ghanta Venkateswara Rao, Proprietor, GV Rao & Co., Motivational Trainer Guntur,delivered a guest lecture on ‘How to become a World Class Student’ to third year students of ECE, on 8<sup>th</sup> January, 2018.He had educated A world-class engineering student would set goals for his or herself that are high, yet attainable. Because they realize the importance of their goals and the tentative timeframes for completion, their goals will be prioritized between immediate, short-term and long-term goals.
- An expert workshop ‘Teaching Electrical, Mechanical Engineering and Control System Concepts Using MATLAB and Simulink’ was conducted on 06 April, 2018. A Resource persons from MATHWORKS delivered Control System Design and Analysis Using MATLAB/Simulink to students of First and Second year M.Tech.
- • Prof.G.Anjaneya Swamy, Dean, School of Management, Pondicherry University, delivered a lecture to all the first and final year students on ‘Entrepreneurial Myths and Realities’, on 9 January, 2018. In his lecture, Professor Anjaneya Swamy, enlightened the students by narrating life stories of successful entrepreneurs and technopreneurs. He highlighted the life stories of Bill Gates, Warren Buffet, Mark Zuckerberg, and Indian born entrepreneurs Sachin Bansal, Binni Bansal, Ritesh Agarwal etc. He advised the students not to hunt but to create jobs by becoming entrepreneurs. He detailed the realities and myths of being an entrepreneur.

- Prof.N.V.R. Jyothi Kumar, Dean, School of Management, Mizoram University, delivered a lecture to all the first and final year students on 'Diversifying Growth Opportunities in North East India – A Case study of Mizoram', on 27 January, 2018. In his lecture, Professor Jyothi Kumar explained the importance of doing business in North East, especially in Mizoram. He highlighted the fact that the resource rich North East with its expanses of fertile farmland is endowed with various sorts of fruits, vegetables and spices, including chillies, after Guntur. This region also has a huge talent pool which could turn into one of India's most prosperous regions.
- Dr.Ch.Jaya Sankara Prasad, Senior Assistant Professor, Department of Business, Krishna University, delivered a lecture to all the first year students on 'Research Methodology and Business Analytics', on 19 April, 2018. Dr.Jaya Sankara Prasad talked on the identification of research problem, techniques of data collection, sampling methods, testing of hypothesis and techniques, used in data analysis in the pre lunch session. He explained business analytics concepts, the software tools like SPSS and R Programming used in business analytics, in the post lunch session.
- A two phase workshop on 'Python Programming' was organized for the second year B. Tech students during 19-21, Feb, 2018 and 5-7 March, 2018 by APSSDC. Resource Person gave hands-on sessions on 'Variables and data types', 'Control structures', 'Arrays and Functions', 'Modules', 'Client Server communication', 'Sending an Email', 'Python scripting', 'Database connectivity'.
- A workshop on 'AWS Cloud' was organized for the final year B. Tech students during 15-16, Feb, 2018 by APSSDC. Resource Person gave hands-on session on 'Creating EC2 Instance', 'Create Virtual Machines', 'Creating S3 Buckets', 'Maintaining Elastic balance load', 'RDS Instance for MySQL Database'.
- Dr. D. Mohana Rao Professor & HoD, Dr. Sally Pardue, Assoc. Prof, Tennessee Technological University, USA, delivered lectures to all the third and final year students on 'Ethics in Engineering Profession' on 11 Jan, 2018. Ms. Sally Purdue and Dr. Rao educated students on communication skills, leadership skills, technical and organization skill, self-confidence and creativity.
- Mr. J. Gaddipati, Medical Oncologist, Hyderabad, delivered a lecture to all the third year students on 'Cancer Care' on 31 March, 2018. In his lecture, Mr. Gaddipati educated students on different types of cancer, causes and prevention measures.
- Mr. Akhil Nimmagadda, Sr. Consultant, Cap Gemini, USA, delivered a lecture to all the first year students on 'Connect your dots' on 6 April, 2018. In his lecture, Mr. Akhil educated students on sustainable development goals to transform our world.

- Sri Anjaneyulu, Retired Deputy Director, Ground Water Board, Govt. of Andhra Pradesh, Nuzvid, delivered a lecture on ‘Ground water availability and Management’ on 3 January 2018. In his lecture, he enlightened students about various technical issues involved in dealing with availability of ground water and effective technologies for enrichment of ground water.
- Prof. B. Yegnanarayana, General Chair, INTERSPEECH 2018, IIIT, Hyderabad, addressed all the final year B.Tech students on ‘Fundamentals of Pattern Recognition and Neural Network’ on 9 Feb, 2018. He had educated students on basics of neural networks and pattern recognition.
- Dr. C. Krishna Mohan, Associate Professor, Dept. of CSE, IIT Hyderabad, addressed all the final year B.Tech students on ‘Fundamentals of Deep Learning’ on 9 Feb, 2018. He had educated students on deep learning fundamentals, applications in real life, with examples.
- Dr. Sir Ghanta Venkateswara Rao, Proprietor, G. V. Rao & Co; Director, Sri Punyavathi Academy and Motivational Trainer was invited to deliver a guest lecture on ‘How to become a world class student’ on 8 January, 2018. He had given wonderful inputs to all the students of MCA on various issues like learning, careers and successful life.
- A workshop on ‘Teaching Electrical, Mechanical Engineering and Control System Concepts Using MATLAB and Simulink’ was conducted on 6th April to students of I and II year M.Tech.

## **Industrial Tours**

- The students of second year went on a short tour to M/s. JOCIL Ltd. Dokiarru, Guntur on 30 August, 2017.
- The students of third year went on a short tour to M/s. Sangam Milk Producer Company Limited (Sangam Dairy), Vadlamudi (V), Guntur, on 12 September 2017.
- The students of third year went on a short tour to M/s. KCP Limited Cements Division, Macherla, Guntur on 12 December, 2017.
- The students of second year went on a short tour to M/s. Sri Dhanalakshmi Group of Industries, Ganapavaram, Chilakaluripet, Guntur Dt., on 30 Dec, 2017.

- The third year Civil Engineering students visited Durga Flyover, Vijayawada & foundations works of IAS Officers Quarters at Rayapudi on 9th Dec. During the visit, students were explained launching of Spine and Wings of Flyover, and piling operation for foundations works of IAS Officers Quarters at Rayapudi, Amaravati.
- 207 students of third B.Tech, visited DR. Narla Tata Rao Thermal Power Station (NTTPS), Vijawada during 21 - 23 of August 2017. These students who visited the plant in three batches, got an insight regarding the internal working of power station. This real life experience was simply exciting, students said, after their visit to NTTPS.
- 108 students of III/IV B.Tech made a visit to 'Satish Dhawan Space Centre SHAR - Sriharikota' near Sullurpet on 15th Sept, 2017. The students visited Rocket Launch Pads, Space Museum, Machine Control Centre (MCC) at SHAR. November, 2017. Prof. K. Srinivas and Dr. S. Radhika Associate professor organized it.
- The students of First year MBA visited Pearl Beverages Pvt. Ltd., Nadimpalem, Guntur on 24 November 2017.
- 160 students of second B.Tech, visited Polavaram, Pattiseema and Dhawleswaram Barrage during 3-4 Feb, 2018. During the visit, the students were explained about Polavaram dam and were shown the bridge works of Godavari River.
- 175 students of third year B.Tech visited tail pond of Nagarjuna Sagar and Macherla Cement Factory during 10-11 Feb, 2018. During the visit, the students were explained about the manufacture of cement and were also explained about power house of the dam.
- 60 students of third year B.Tech, visited Durga fly over, Vijayawada on 30 June, 2018. During the visit, students were explained about the construction of Pile cap, pier and Casting of spine and wings for fly over at casting yard. They were also explained about piling operation.

### **Training Programmes:**

- A One day workshop followed by Hackathon during 18 - 19 September, 2017 conducted by APITA with collaboration of Fintech Valley, Vizag & Hackmania Technology Pvt., Ltd for IV/IV B.Tech (CSE, ECE & IT) students.
- Campus Recruitment Training Refresher Programme was conducted by Triumphant Training Solutions and Seventh Sense Talent Solutions for all the final year B.Tech & MCA students on 22 September, 2017
- A one day Training Programme on 'Introduction to Aptitude and its Importance' by Mr. J. Sridhar of Triumphant Training Solutions was conducted for all III/IV B.Tech students and all II/III MCA students on 30 November, 2017.



- 2-Day MEAN & 1-Day Cognitive Workshop as a part of AP CLOUD by Miracle Software Systems, Vizag, during 4-6 December, 2017 for IV/IV B.Tech (CSE, ECE & IT) & II/III MCA students.
- A one day Programme on Body Language & Mannerism by resource persons from FACE & SMART on 18 December, 2017 for II/IV B.Tech students.
- A talk was delivered by Mr. Vamsi Krishna of Triumphant Training Solutions on `Self Realization` on 3 February. Students of I MCA attended the programme.
- A one week CRT Programme was held by the Triumphant Training Solutions & Seventh Sense Talent Solutions for all the pre-final year students, in two spells. i.e, during 3-15 February.
- A Two day workshop on `Blockchain Technology – Bootcamp & Hackthon` was held during 22 – 23 February by APITA.
- Two day training programme was held for Infosys shortlisted students during 4 - 5 March.

## **Comprehensive student monitoring system**

### **Objectives:**

The objectives of the comprehensive student monitoring system are:

- To monitor the students regularity & discipline
- To enable the parents to know about the performance & regularity of their wards.
- To counsel and direct the students to achieve the intended goals.

The college has an effective and automated Student Information System for recording students attendance as well as performance in the internal Exams being conducted in each semester. Following is the procedure followed to enhance the performance of the students.

- The teacher takes students attendance in every class during the first five minutes, and after the class completion enters the list of absentees in the academic activity register to enable the head of the department to monitor the students in each period of the day.
- Daily attendance report sent to parent as a message
- The class in-charges prepare the monthly attendance of the students for each section and sends the information to the parents of defaulters through proper channel.
- The following measures are being taken for improvement of the attendance of the students:-
- The concerned teacher enquires and counsels the student if he is absent for two continuous classes.
- The class-incharge enquires and counsels the student if he is continuously absent for more than two days and directs him to HoD for necessary action.
- The HOD warns the student if he is absent continuously for more than one week and informs the parents about his irregularity.
- The HOD calls the parents of a student if he is absent continuously for more than two weeks, enquires the reason and advises them to take care of their ward.
- The HOD forwards the details of a student to the Principal for further action if he is absent continuously even after informing his parents.
- The HOD and the class in-charge counsel the students regularly, assist them in solving their personal & academic problems and give career guidance.
- The teachers identify the slow learners of the class and assist them in improving their performance by providing required help.
- Every student participates in the events conducted in the college or other colleges with the prior permission of the concerned HOD.

**Evidence of Success:**

- Improvement in attendance of the students speaks volumes regarding steps taken for monitoring the students.
- Decrease in detention rate justifies the mechanisms adopted for monitoring the students.
- Enhancement in performance of the students due to regular monitoring and discipline in the college is an evidence of success of the practice.

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### Academic Performance (GRADES)

Semester	Sub1	Sub2	Sub3	Sub4	Sub5	Sub6	Sub7	Lab1	Lab2	Lab3	Lab4	SGPA	CGPA
1-Semester	S	A	A	A	A	S		A	S			9.38	9.38
2-Semester	S	S	S	A	S			S	S	S		9.83	9.60
3-Semester	B	A	S	S	A	A		S	S	A		9.27	9.48
4-Semester	B	S	A	A	A	C		S	S	S		8.93	9.33
5-Semester	S	B	B	B	D	A		S	A	S		8.47	9.14
6-Semester	A	A	A	S	B	B		S	A			8.93	9.11
7-Semester	B	C	B	B	D	B		B	S	S		7.93	8.93
8-Semester	B	B	C	B				A	S			8.70	8.91

### Academic Performance (% of Attendance , Internal Marks, % of Final ATT, Int.Marks, Year of Study)

Semester	Sub1		Sub2		Sub3		Sub4		Sub5		Sub6		Sub7		Lab1		Lab2		Lab3		Lab4		Final %		Academic Year
	Att	Int	Att	Int	Att	Int	Att	Int	Att	Int	Att	Int	Att	Int	Att	Int	Att	Int	Att	Int	Att	Int	ATT	IntM	
1-Semester	94	40	91	38	83	32	89	38	92	34	87	36	-	-	82	31	71	35	-	-	-	-	88	88.8	2014-2015
2-Semester	92	39	85	37	94	38	91	37	94	37	-	-	-	-	100	35	93	35	92	34	-	-	93.1	90.6	2014-2015
3-Semester	86	35	91	34	95	37	95	37	92	39	92	37	-	-	100	33	94	34	93	34	-	-	93.5	88.9	2015-2016
4-Semester	85	34	83	34	91	37	74	35	86	34	96	35	-	-	91	32	100	33	91	33	-	-	88.4	85.3	2015-2016
5-Semester	82	33	64	31	69	28	90	35	77	21	84	31	-	-	79	34	90	34	67	33	-	-	81.7	77.8	2016-2017
6-Semester	100	35	78	33	92	35	89	38	98	33	89	30	-	-	92	34	86	34	-	-	-	-	91.3	84.4	2016-2017
7-Semester	66	32	55	28	69	27	89	30	72	24	82	24	-	-	50	28	78	34	100	92	-	-	74	76	2017-2018
8-Semester	86	27	65	21	67	21	65	22	-	-	-	-	-	-	50	25	100	74	-	-	-	-	73.7	67.9	2017-2018