Internal Quality Assurance Cell (IQAC)
G.Pulla Reddy College of Engineering (Autonomous)
G.Pulla Reddy Nagar, Nandyal Road

Kurnool-518 007

Annual Quality Assurance Report (AQAR) 2016-17
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

CONTENTS
S.No.   PARTIULARS Page No.

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

1. Details of the Institution

1.1 Name of the Institution

G.Pulla Reddy Engineering College

1.2 Address Line 1

G.Pulla Reddy Nagar

Address Line 2

Nandyal Road

City/Town

KURNOOL

State

Andhra Pradesh

Pin Code

518 007

Institution e-mail address

principal@gprec.ac.in

Contact Nos.

08518 - 270957

Name of the Head of the Institution:

Dr.B.Sreenivasa Reddy

Tel. No. with STD Code:

08518 - 270957

Mobile:

09490332609

Name of the IQAC Co-ordinator:

Dr.S.Govindarajulu

Mobile:

09490552047

IQAC e-mail address:

rajulusg09@gmail.com

1.3 **NAAC Track ID**(*For ex. MHCOGN 18879)*

APCOGN12334

1.4 **NAAC Executive Committee No. & Date:**
 (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.gprec.ac.in

Web-link of the AQAR:

http://www.gprec.ac.in/AQAR2016-17.

For ex. http://www.ladykeanecollege.edu.in/AQAR2012-13.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B+		2005	2011
2	2nd Cycle	A	3.14	2011	2016
3	3rd Cycle	A+	3.52	2017	-----
4	4th Cycle				

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

29.04.2005

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

2016-17

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

    i. AQAR 2011-2012 submitted to NAAC on 12-08-2012.
    ii. AQAR 2012-2013 submitted to NAAC on 27-08-2013.
    iii. AQAR 2013-2014 submitted to NAAC on 03-09-2014.
    iv. AQAR 2014-2015 submitted to NAAC on 23-08-2015.
    v. AQAR 2015-2016 submitted to NAAC on 28-10-2016.

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 (Phys Edu) ☐

TEI (Edu) ☐   Engineering [√]   Health Science ☐   Management ☐

Others (Specify) [--   ]

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

Jawaharlal Nehru Technological University-A, Anantapuramu (AP)

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

Autonomy by State/Central Govt. / University

| UGC |

University with Potential for Excellence

| -- | UGC-CPE | YES |

DST Star Scheme

| -- | UGC-CE | -- |

UGC-Special Assistance Programme

| -- | | -- |

UGC-Innovative PG programmes

| -- | Any other (*Specify*) | -- |

UGC-COP Programmes

| -- |

2. IQAC Composition and Activities

2.1 No. of Teachers

| 07 |

2.2 No. of Administrative/Technical staff

| 06 |

2.3 No. of students

| 01 |

2.4 No. of Management representatives

| 01 |

2.5 No. of Alumni

| 01 |

2. 6 No. of any other stakeholder and

   community representatives

| NIL |

2.7 No. of Employers/ Industrialists

| 01 |

2.8 No. of other External Experts

| NIL |

2.9 Total No. of members

| 17 |

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: No. | NIL | Faculty | 4 |

Non-Teaching Staff Students NIL Alumni 4 Others NIL

2.12 Has IQAC received any funding from UGC during the year? Yes ☐ 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

   Total Nos. Nil International ☐ National ☐ State ☐ Institution Level ☐

   (ii) Themes --

2.14 Significant Activities and contributions made by IQAC

> IQAC involved in improving standards in different spheres of academic and administration as follows:
> ➤ Implementation of Outcomes Measurement for the courses in the Program.
> ➤ Standardization of internal assessment pattern for all UG Programs.
> ➤ The campus is Wi-Fi enabled to enable students to access internet freely. Internet bandwidth has also been increased to 40 Mbps speed.
> ➤ The library is completely automated and equipped with digital library.

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 *

Plan of Action	Achievements
To impart Quality Education	i) Quality of Assignments and Teaching Aids are enhanced. ii) Infrastructural facilities for better learning environment are improved. iii) Semester wise Academic Data from HODs for analysis is collected. iv) Feedback is taken from stakeholders for the improvement of teaching-learning processes.

To provide need based Teaching	i) Additional revision of lectures and practical sessions are conducted. ii) Support from expert guest faculty from industry and academia is taken and guest lectures are arranged.
To encourage staff and students participation in seminar, workshop and conference.	i) Many faculty members attended faculty development programs to enhance their domain expertise and knowledge of latest trends. ii) Guidance is given and sponsored two way fare to the students to participate in national level inter institution competitions/seminars/workshops.
To send SMS alert to the parents about progress of their wards	i) Alerts of attendance and performance of students are sent to the parents. ii) Communication with parents is done through SMS.

Attach the Academic Calendar of the year as Annexure.   √   ☐

2.15 Whether the AQAR was placed in statutory body   Yes   No

Management   ☐   Syndicate   ☐   Any other body   √

Provide the details of the action taken

The College Academic council approved all the decisions of IQAC.

<div align="center">

Part – B

</div>

Criterion – I

1. 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	05	NIL	05	05
PG	07	NIL	07	07
UG	05	NIL	05	05
PG Diploma	NIL	NIL		
Advanced Diploma	NIL	NIL		
Diploma	NIL	NIL		
Certificate	NIL	NIL		
Others	NIL	NIL		
Total	17	NIL	17	17

Interdisciplinary	NIL	NIL	NIL	NIL
Innovative	NIL	NIL	NIL	NIL

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 stakeholders. 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.

Engineering Core: The Engineering core consists of set of courses considered necessary 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 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	12
Trimester	NIL
Annual	NIL

1.3 Feedback from stakeholders* Alumni [√] Parents [ ] Employers [√] Students [√]
   (On all aspects)

   Mode of feedback : Online [ ] Manual [√] 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 also 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 will collect 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.

   Curriculum is generally updated once in every four years meeting bases on the needs of industry and matching with the recent developments in Technology.

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

   Recognized Research centre was established in the Mechanical Engineering Department.
   ➢ Incubation center was established.
   ➢ Skill development centre was established in collaboration with AP State skill Development.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
201	145	32	24	NIL

2.2 No. of permanent faculty with Ph.D.   [56]

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
8	NIL	NIL	NIL	2	NIL	NIL	NIL	10	NIL

2.4 No. of Guest and Visiting faculty and Temporary faculty   [NIL]   [NIL]   [NIL]

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	24	3	NIL
Presented papers	18	3	NIL
Resource Persons	NIL	NIL	NIL

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

> During this academic year the faculty altered their regular teaching plans by implementing novel methods in teaching as follows.
>
> Lesson Plans are prepared by the concerned teachers prior to the beginning of the semester and are notified to the students at the commencement of the semester.
> ➢ The faculty have been using web resources effectively to upload course materials, to conduct online quizzes etc.
> ➢ A good number of video lessons (NPTEL & MIT) are available and they are being used for the better understanding of the subjects.
>
> Teachers prepared lecture materials incorporating the audio visual methods. Many such lecture outlines are also given to the students as reading materials and LCDs are used in all the courses for teaching.
> ➢ HOD periodically monitored teacher's dairy and lesson plans and suggest corrective measures for deviations if any.
> ➢ Design based experiments and project works are given to the students.
> ➢ A brief talk of 5 to 10 minutes by each student in every course in each semester is made mandatory to overcome his stage fear and to improve communication skills.
> ➢ Internship / practice school has been introduced to make the students industry ready.

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

186

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

Nil

2.9 No. of faculty members involved in curriculum Restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

25	26	26

2.10 Average percentage of attendance of students

83

2.11 Course/Programme wise
 distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
UG	813	37.3	37.1	8	0	82.5
PG	--	--	--	--	--	--

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

IQAC examines various aspects of Teaching-Learning process and suggests various modes for improvement by taking the inputs in the form of feedback and advises to implement them and reviews periodically.

The IQAC of the College
➢ Collects the project reports randomly from the departments and evaluates the quality of reports and same will be submitted for the discussion at IQAC meetings.
➢ 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 enhance the teaching and learning.
➢ Does continuous assessment of students through examination results, curricular and co-curricular activities. Through SAR, feedback reports from the students the quality of the faculty is measured.
➢ Prepares action report and the Principal takes necessary steps to implement them.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	Nil
UGC – Faculty Improvement Programme	35
HRD programmes	04
Orientation programmes	05
Faculty exchange programme	Nil
Staff training conducted by the university	Nil
Staff training conducted by other institutions	06
Summer / Winter schools, Workshops, etc.	44
Others	Nil

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	52	Nil	Nil	4
Technical Staff	64	Nil	Nil	6

Criterion – III

3. Research, Consultancy and Extension

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

IQAC initiated the setting of a Research and Development cell and the cell provides guidance in applying and getting the sanctioning of externally funded projects. The Cell also takes initiative of in-house projects funded by the college. It also recommends for the sanction of incentives to both faculty and students that publish research papers in quality journals.

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/ISRO 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 one academic year. In the year 2016-2017, 296 Faculty members have participated in the workshops/STTPs/FDPs/ Orientation programs organized by various Institutions across the country at national or at 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 175 papers are published by the faculty in reputed national/international journals/conference proceedings during 2016-2017.
➢ To participate in BOS, Academic activities of other institutions /universities /industries to attain skills in revision/update /design of the course curriculum.
➢ To establish technology incubation center.
➢ To see that results of research lead to publications/patenting/product generation.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	Nil	1	Nil	8
Outlay in Rs. Lakhs	NA	4.26	NA	18.83

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	Nil	Nil	Nil
Outlay in Rs. Lakhs	4.8	Nil	Nil	Nil

3.4 Details on research publications

	International	National	Others
Peer Review Journals	78	03	Nil
Non-Peer Review Journals	27	Nil	Nil
e-Journals	Nil	Nil	Nil
Conference proceedings	17	05	Nil

3.5 Details on Impact factor of publications:

Range 0.48-6.92   Average 5.4   h-index 1.   Nos. in SCOPUS 10

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	2015-18	UGC/AICTE	59.55	59.10
Minor Projects	2016-17	NA	--	--
Interdisciplinary Projects	Nil	NA	--	--
Industry sponsored	Nil	--	--	--
Projects sponsored by the University/ College	2016-2017	College	3.35	3.35
Students research projects *(other than compulsory by the University)*	Nil	--	--	--
Any other(Specify)	Nil	--	--	--
Total	NA	NA	62.90	62.45

3.7 No. of books published   i) With ISBN No. 04   Chapters in Edited Books 06

ii) Without ISBN No. Nil

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   [29.80]

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	Nil	Nil	Nil	Nil	Nil
Sponsoring agencies	NA	NA	NA	NA	NA

3.12 No. of faculty served as experts, chairpersons or resource persons   [02]

3.13 No. of collaborations   International [1]   National [1]   Any other [--]

3.14 No. of linkages created during this year   [0]

3.15 Total budget for research for current year in lakhs:

From funding agency [3.8]   From Management of University/College [8.15]

Total [11.96]

3.16 No. of patents received this year

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

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
Nil	Nil	Nil	Nil	Nil	Nil	Nil

3.18No. of faculty from the Institution who are Ph. D. Guides   [22]
and students registered under them   [45]

3.19 No. of Ph.D. awarded by faculty from the Institution   [08]

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

JRF | -- | SRF | -- | Project Fellows | -- | Any other | 02 |

3.21 No. of students Participated in NSS events:

University level | 03 | State level | 03 |

National level | -- | International level | -- |

3.22 No. of students participated in NCC events:

University level | -- | State level | -- |

National level | -- | International level | -- |

3.23 No. of Awards won in NSS:

University level | 01 | State level | 01 |

National level | -- | International level | -- |

3.24 No. of Awards won in NCC:

University level | -- | State level | -- |

National level | -- | International level | -- |

3.25 No. of Extension activities organized

University forum | -- | College forum | 2 |

NCC | -- | NSS | 33 | Any other | 1 |

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

> ➢ Financial assistance in the form of Scholarships was extended to students of different levels like Intermediate, Degree and professional courses and whose parents are below poverty line and belong to rural areas of Kurnool district.
> ➢ Teachers Day was celebrated on 5th September 2016.
> ➢ The college highlighted the importance of literacy, during national education day, on Nov.11th which commemorates with the birth anniversary of Bharat Ratna Abdul Kalam Azad.
> ➢ 31st October was declared National Unity Day to spread awareness about Sardar Vallabhai Patel's contribution to Indian history as well as to spread the message of unity, safety, and security of the nation.

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	27.25	--	NA	27.25
Class rooms	72	--	NA	72
Laboratories	76	02	NA	78
Seminar Halls	8	--	NA	8
No. of important equipments purchased (≥ 1-0 lakh)during the current year.	105	23	NA	128
Value of the equipment purchased during the year (Rs. in Lakhs)	446.1	62.32	NA	508.42
Others	570.33	--	NA	570.33

4.2 Computerization of administration and library

> Library administration is fully computerized (OPAC)
> - Implemented bar coding system.
> - Computerization for search, indexing, issue/return records.
> - Library book borrowing and report generations are completely automated system.
>   The college has software for this purpose.
> - Digital Library.
> - Wi-Fi facility for the Library.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	54057	253.11	88	0.52	54145	253.63
Reference Books	3598	5.15	--	--	3598	5.15
e-Books	619	7.846			619	7.846
Journals	92	6.25	--	--	92	6.25
e-Journals	480	6.56	--	--	480	6.56
Digital Database	--	--	--	--	--	--
CD & Video	18	0.23	--	--	18	0.23
Others (specify)	2356	--	102	--	2458	--

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	1323	14	10	9	14	14	6	-
Added	70	2	-	-	-	-	Nil	Nil
Total	1393	16	10	9	14	14	6	-

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

Faculty members are trained in FDPs attended by them in various computer networking, Internet access e-governance areas. Students learn these technologies as a part of their industry internships/ practice school/ project works.

4.6 Amount spent on maintenance in lakhs:

i) ICT

51.09

ii) Campus Infrastructure and facilities

275.03

iii) Equipments

68.61

iv) Others

116.82

Total:

511.55

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

IQAC initiated several awareness programmes regarding career opportunities with main emphasis on job opportunities and higher education. Training programmes on personality development have been introduced to give value in addition to their curriculum.

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, Health care, Computing, 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 with the help of T&P cell programs are conducted for improving their entrepreneur skills.

5.2 Efforts made by the institution for tracking the progression

> Progression of students in attendance and academic performance is monitored continually and a well defined mechanism is developed and placed in the system. Percentage of attendance of students will be calculated and the names of those who have put up less than 75% will be displayed on all notice boards and also their signatures will be taken. The parents of these students are also informed by sending SMS through councilors.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
3511	109	04	--

(b) No. of students outside the state

-

(c) No. of international students

Nil

Men

No	%
2200	60.7

Women

No	%
1420	39.3

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1599	420	123	1214	00	3356	1776	399	110	1333	02	3620

Demand ratio   NA   Dropout % 0.7

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

> The main focus is on campus placements. The institution has exclusive Training and placement cell and all eligible and enrolled students for such placements are trained by experts. Coaching is also given for GATE to students who opt for Higher Education.
>
> Providing Online MCQ's 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.

No. of students beneficiaries

410

5.5 No. of students qualified in these examinations

NET `--`   SET/SLET `--`   GATE `49`   CAT `08`

IAS/IPS etc `--`   State PSC `--`   UPSC `--`   Others `--`

5.6 Details of student counseling and career guidance

Student counseling system is in place. Around 20 students are attached to each faculty and the faculty will provide focused counseling and guidance by interacting with the students at regular intervals.

Exclusive career guidance classes are organized by the training and placement cell every year on regular basis.

Mentoring and counseling process is followed continuously
- This process has successfully resulted in improved student performance.
- Training and Placement Cell conducted 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   All

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
45	402	297	17 (Approx)

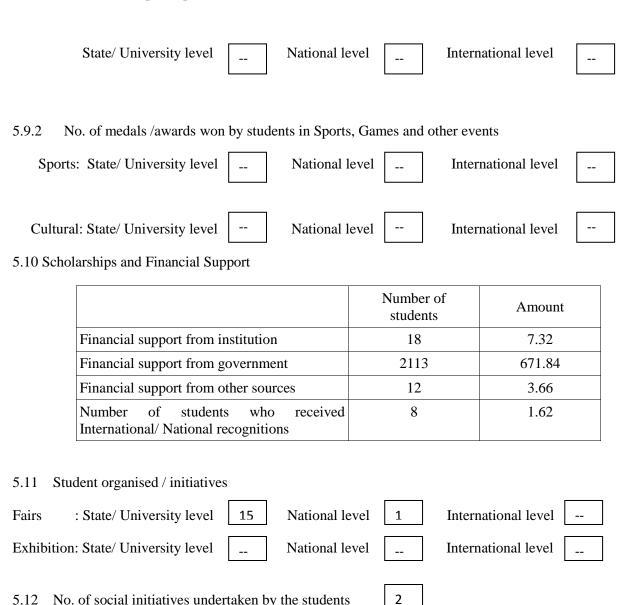5.8 Details of gender sensitization programmes

An exclusive women's cell is set up and is fully functional and it organizes various programs sensitizing students on gender and it has given a remarkable result.

5.9 Students Activities

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

State/ University level `13`   National level `--`   International level `2`

No. of students participated in cultural events

State/ University level | -- | 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

	Number of students	Amount
Financial support from institution	18	7.32
Financial support from government	2113	671.84
Financial support from other sources	12	3.66
Number of students who received International/ National recognitions	8	1.62

5.11 Student organised / initiatives

Fairs : State/ University level | 15 | National level | 1 | International level | --

Exhibition: State/ University level | -- | National level | -- | International level | --

5.12 No. of social initiatives undertaken by the students | 2

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 become the choicest institute of technology and a hub of academic and industrial research and development.
MISSION: To provide conductive academic ambience, excellent infrastructure, continually updated lab equipment and committed and scholarly faculty to realize the vision of the college.

6.2 Does the Institution has a management Information System

> The information regarding the details of all faculty, staff and students has been computerized and the required data shall be retrieved in the form required and as and when needed.

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

6.3.1 Curriculum Development

> Required inputs will be taken from various stake holders like companies that visit for placements, experts that visit the college on various occasions, alumni, etc.
> these inputs are discussed at length in BOS and finalized appropriately.

6.3.2 Teaching and Learning

> Lesson plan will be prepared in every course and instruction will be delivered adhering to the academic plan. Lesson diary is recorded in the class students' attendance register. Details of students who have presented their seminars is also recorded in the attendance register of the respective course.
>
> Following are the measures adopted by the institution for betterment of Teaching and Learning process.
> - Problem based learning.
> - Pre placement training.
> - Initiative to arrange more campus placement drives.
> - 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 academically backward students.
> - Separate administration setup to plan and monitor teaching and learning process based on course outcomes.

6.3.3 Examination and Evaluation

> Two internal examinations and an end University examination is conducted every semester and the college being an autonomous institution designs the schedule. Both internal and external valuations are adopted by rotating the subjects.

6.3.4 Research and Development

> An exclusive research and development cell is set up and functioning actively. The cell provides all the necessary guidance by suggesting various funding agencies that provide financial assistance. It encourages applying for externally funded research projects. It also calls for in-house projects, scrutinizes and recommends for sanction. This has increased the research activity and increased the quality and quantity of research publications. Separate Research cell with Director R & D is established to give support in terms of guidance in applying funded projects & for all types of research promotions.
> - Exclusive Administration setup with Dirctor R&D.
> - R&D committee to review and motivate research.
> - Enhanced incentives for research publications.
> - Conducting awareness programs by experts from funding agencies such as DST.

6.3.5   Library, ICT and physical infrastructure / instrumentation

The library has a collection of good number of books meeting the requirement of students and faculty. New titles and volumes of text books are added every year continuously, by allocating required budget to procure books and journals.

Information and Communication Technology has been made an integral part of teaching learning process by converting some of the conventional class rooms into e-class rooms. These rooms have been equipped with LCD projectors, digital boards and audio systems.

All the departments and divisions are continuously appended with additional physical infrastructure regularly whenever required and also based on the inputs taken from the stakeholders through feedback.

6.3.6   Human Resource Management

Additional and more qualified faculty have been recruited to improve quality of teaching.

Guest lectures and invited talks are arranged for both faculty and students to give exposure to new and up-coming technologies.

Additional technicians have also been recruited to assist faculty dealing with laboratory classes and also maintenance of equipment in the laboratories.

Annual assessment of faculty is done through Faculty Self Appraisal Proforma (SAP) for Professors, Associate Professors and Assistant Professors.
➢ 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

Faculty and staff are recruited as when required. Recruitment is generally taken up before the beginning of the academic year through open advertisements by notifying the requirements.

6.3.8   Industry Interaction / Collaboration

The region is industrially under developed and therefore the scope is limited. Inspite of that the institution is making its best efforts to tie up with them by signing MoUs helping each other. The college has collaborations with half a dozen out-side institutions.

6.3.9 Admission of Students

Admission policy is made by the State Government and the college has a limited role to play in it. While filling the 30% quota of management seats to make more transparent:

> Ample publicity is given in all local news papers calling for applications from all the aspiring students.
> Admission process is automated partially and is completed as per the schedule.

6.4 Welfare schemes for

Teaching	03
Non teaching	04
Students	02

6.5 Total corpus fund generated

NA

6.6 Whether annual financial audit has been done   Yes √   No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	NA	Yes	Faculty
Administrative	No	NA	No	NA

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

For UG Programmes   Yes √   No

For PG Programmes   Yes √   No

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

> Applications are made online.
> Hall Tickets are generated through automation and the same are kept available as down loadable.

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

> University gives freedom to design academic calendar to deliver instruction, conduct examinations and also declare results.
>
> The institution is given freedom to revise the scheme and regulations as when required.
>
> The institution is given autonomy to have its own courses under electives as demanded from time to time.

6.11 Activities and support from the Alumni Association

> The college has a registered Alumni association and functions actively. It is involved in:
> - Giving inputs in design of curriculum.
> - Supports in providing internships and projects to students.
> - Extends support in providing training to students giving them exposure to up-coming changes in technologies.
> - Helps the students in providing training to students for placements by conducting mock interviews etc.
> - Association meetings are conducted regularly both within and also outside the country.

6.12 Activities and support from the Parent – Teacher Association

> Participation of parents is not much in design and delivery of curriculum. They are continuously kept informed about the progress of their wards by communicating with them through their mobile phones and also writing e-mails when ever deems necessary.

6.13 Development programmes for support staff

> Training programmes are conducted on regular basis either by the faculty of by the technical people from the equipment / instruments suppliers to up-grade their skills in handling and maintaining them in laboratories.
>
> Adequate training and instructions are given on regular basis particularly whenever laboratory curriculum is changed meeting the requirements.

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

> Adequate greenery has been developed to add aesthetics and improving the ambience. Rain water harvesting has been initiated to protect environment.
>
> Adequate publicity is given on the campus to bring awareness among all students and faculty about conservation of environment by saving power.

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.

A five day orientation programme for all the students that join first year B.Tech. Programme has been initiated. The first five days they are exposed to awareness program enlighten them with need for social awareness, physical training, yoga and meditation, fine arts and culture, etc. this changed the attitude of the students and created a positive impact and brought a remarkable change in the students.

Continuous monitoring of progress in syllabus completion through online academic activity report.

➢ Monitoring of students performance in mid-term exams, attendance, arranging Student Interaction and Counseling etc.
➢ Taking regular student feedback on effectiveness in teaching.
➢ Equipped the class rooms with LCD etc.
➢ Subscribing to wide range of technical magazines, journals and proceedings and by having membership in DELNET and subscribing for all journals prescribed by AICTE for effective knowledge sharing.
➢ Established recognized research center in Mechanical Engineering Department which is useful for both students and faculty for doing mini projects, projects and research.
➢ Special classes for slow learners are conducted.
➢ Encouraged the students to undergo internship during summer vacation.
➢ Encouraged the students to participate in extracurricular activities such as sports, NCC, NSS & cultural etc. for all-round development.
➢ Motivated the faculty to apply for research grants from funding agencies.

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

The progress on the objectives set for that year has been reviewed periodically and ensures its Compliance. Action is initiated at all levels to save time and to get all necessary clearances and to make it fulfilled.

IQAC planned the objectives for current year (2016-17) and its progress was monitored through action taken report monthly 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
Academic Schedule	Implemented as per the schedule
Course delivery	Completed as per the lecture schedules
Workshops/Seminars/Guest Lecturers/ Training programs	Conducted as per the proposals
Sending applications for Research funding	Proposals are submitted
Applying for NBA renewal for all eligible branches	Applied for ME,CIVIL,EEE & for ECE, CSE in progress.

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

> ➢ One Day Orientation for newly admitted students giving awareness about Professional Engineering Program.
> ➢ 5-10 minute presentation by students in every course and in every semester is made.

7.4 Contribution to environmental awareness / protection

> Adequate green belt is developed.
>
> World's International Ozone layer Day, etc., are organized and these opportunities are utilized to bring awareness about Environment.
>
> Anyway students study Environmental studies as course in their curriculum and learn adequately about need for the environmental awareness.
>
> Conducting environmental awareness workshops/ seminars by inviting the experts through Eco club of the college.
> ➢ Offering Environmental Science as a compulsory subject
> ➢ Organizing Swacha Bharath campaign etc.
> ➢ Planting of trees in the campus
> ➢ Construction of rain water 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)

> ➢ Efforts would be made to apply and get sanction with more funded research projects.
> ➢ To improve the quality of research work by increasing the number of publications.
> ➢ To increase the number of industry internships encouraging students to take-up live projects.

8.Plans of institution for next year

1. To append laboratories with some latest equipment matching with the needs of the industry and society.
2. To increase research activity further in all departments.
3. To apply for more number of projects externally funded.
4. To recruit few senior faculty to strengthen human resources in the institution.

❖ **Research**

➢ Encourage the faculty to apply Research Proposals for Research Grants from various funding agencies like DST/AICTE/UGC/DRDO/ISRO etc.,.
➢ Motivate faculty to attend Seminars and Workshops, Conferences and publish papers in reputed journals.
➢ Organizing department wise Conferences/ Seminars on Contemporary topics.

❖ **Teaching and Learning**

➢ Effective monitoring of the attainment of Course outcomes, Programme outcomes and Programme educational objectives.
➢ Adapting innovative delivery methods.
➢ Collaboration with Industry and Institutions of repute.
➢ Improving the faculty student ratio.

❖ **Infrastructure**

➢ Strengthening of Networking and Computing Facilities.
➢ Enhancing built up space as per the sanction intake.
➢ Uplifting the sports ground and facilities for sports and games.

❖ **The institution would like to organize the following programs**

➢ Conducting FDP programs on current topics.
➢ Obtaining NBA Accreditation for UG programs of EEE, ECE, CSE, ME & IT.
➢ Organizing Campus Recruitment Training programs to Engineering students to enhance their employability skills.
➢ Beautification of the college campus by planting, decorative and ornamental plants to create good ambience.

Name: Dr.S.Govindarajulu   *Name: Dr.P.Jayarami Reddy*

Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*

_____***_____