Submission for AQAR report for the year 2015 – 2016

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

Part – A

1. Details of the Institution

1.1 Name of the Institution

> **BAPATLA ENGINEERING COLLEGE**

1.2 Address Line 1

> **MAHATMAJIPURAM,**

Address Line 2

> **G.B.C. ROAD, BAPATLA POST**

City/Town

> **GUNTUR Dt.**

State

> **ANDHRA PRADESH**

Pin Code

> **522102**

Institution e-mail address

> bec_principal@yahoo.com

Contact Nos.

> 08643-224244

Name of the Head of the Institution:

> Dr. N. Sudhakar

Tel. No. with STD Code:

> 08643-224244

Mobile:

> 9491136860

Name of the IQAC Co-ordinator:

Dr. B. Chandra Mohan

Mobile:

9491112477

IQAC e-mail address:

beciqac@gmail.com

1.3 **NAAC Track ID:**   APCOGN20386

1.4 Website address:

www.becbapatla.ac.in

Web-link of the AQAR: http://www.becbapatla.ac.in/AQAR201516.doc

1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B	2.70	2015	5 Years
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

1.6 Date of Establishment of IQAC :   DD/MM/YYYY   07/10/2015

1.7 **AQAR for the year** (*for example 2010-11*)   2015-2016

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

    i. AQAR _____NIL_____ _____ (DD/MM/YYYY)
    ii. AQAR_____NIL_ _____ (DD/MM/YYYY)
    iii. AQAR_____NIL__ _____ (DD/MM/YYYY)
    iv. AQAR_____NIL__ _____ (DD/MM/YYYY)

1.9 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 ☑

1.10 Type of Faculty/Programme

Arts ☐   Science ☑   Commerce ☐   Law ☐   PEI (Phys Edu) ☐

TEI (Edu) ☐   Engineering ☑   Health Science ☐   Management ☐

Others (Specify)   ☐

1.11 Name of the Affiliating University *(for the Colleges)*   **Acharya Nagarjuna University, Nagarjuna Nagar – 522 510.**

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

Autonomy by State/Central Govt. / University   UNIVERSITY

University with Potential for Excellence   NIL   UGC-CPE   NIL

DST Star Scheme   NIL   UGC-CE   NIL

UGC-Special Assistance Programme	NIL	DST-FIST	NIL
UGC-Innovative PG programmes	NIL	Any other (*Specify*)	NIL
UGC-COP Programmes	NIL		

2. IQAC Composition and Activities

2.1 No. of Teachers   18

2.2 No. of Administrative/Technical staff   1

2.3 No. of students   1

2.4 No. of Management representatives   1

2.5 No. of Alumni   1

2. 6 No. of any other stakeholder and
     community representatives   1

2.7 No. of Employers/ Industrialists   1

2.8 No. of other External Experts   0

2.9 Total No. of members

2.10 No. of IQAC meetings held   4

2.11 No. of meetings with various stakeholders: No. of students 3   Faculty 2

Non-Teaching Staff 2   Alumni 2   Others 0

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. | 1 | International | 0 | National | 0 | State | 0 | Institution Level | 1

(ii) Themes

| ACADEMIC QUALITY IMPROVEMENT |

2.14 Significant Activities and contributions made by IQAC

> 1. Preparation of common templates for effective execution of activities.
> 2. Monitoring the counselling process.
> 3. Scheme of valuation of SEE scripts is displayed on the college website.
> 4. SEE scripts are given to all the students for verification.
> 5. No revaluation fee is collected from the students.
> 6. MOOCS course is made part of (mandatory) Term paper for IV year students.
> 7. Curriculum changes are made to cater to the needs of the students.
> 8. MOU with NASSCOM, APSSDC.
> 9. Introducing industry oriented curriculum like Data analytics, Cyber Security.
> 10. Course on Azure, Microsoft Azure University.

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
1. Introducing online course for the students.	Introduced in this year (MOOCS) to final year students.
2. MOUs with industry.	MOU with NASSCOM, APSSDC.
3. Transparency in the valuation process.	SEE scripts are shown to all the students
4. Effective student counselling.	All the parents of the students (under performers) are called by phone and informed.

 *** The Academic Calendar of the year 2015-2016 is attached as Annexure -I.**

2.16 Whether the AQAR was placed in statutory body   Yes | √ | No | |

Management | | Syndicate | | Any other body | √ |

Provide the details of the action taken

| In the meeting of the Head s of the dept it was placed. |

Part – B

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	0	0	0	0
PG	11	0	11	0
UG	8	0	8	0
PG Diploma	0	0	0	0
Advanced Diploma	0	0	0	0
Diploma	4	0	4	0
Certificate	0	0	0	0
Others	0	0	0	0
Total	23	0	23	0

Interdisciplinary	0			
Innovative	0			

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

Pattern	Number of programmes
Semester	**19**
Trimester	0
Annual	0

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

     Mode of feedback   :   Online [ ] Manual [√] Co-operating schools (for PEI) [ ]

* The analysis of the feedback is provided in the Annexure – II.

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

> Yes
> 1. MOOCS is introduced in the term paper
> 2. External examination (SEE) scripts are given to the students for verification
> 3. English, chemistry and engineering subjects are revised.
> 4. Course on Cyber security and data analytics is introduced.

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
220	180	21	19	3

2.2 No. of permanent faculty with Ph.D.

33

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
86	1	1	0	3	0	2	0	75	1

2.4 No. of Guest and Visiting faculty and Temporary faculty

2		21		14

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	4	18	7
Presented papers	15	56	9
Resource Persons	2	0	1

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

- Instruction is given by power point presentations in some subjects.
- Demo sessions are taken.
- Tutorial sheets are given for some subjects where problem based learning is important.
- Mini projects in some departments.
- Objective questions practice in CRT classes.

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

192 days

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

Answer Scripts are given to the students for verification.

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

129	39	39

2.10 Average percentage of attendance of students

85%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
ECE(UG)	215	24	56	5		**86**
IT(UG)	81	24.6	43.2	24.6		**93.8**
CSE(UG)	176	42.6	27.8	13.1		**83.5**
MECH (UG)	101	43	34	9		**86**
CIVIL(UG)	125	38.4	57.5	26.25	1.25	**92.8**
CHEM(UG)	49	28.6	46.9	14.3		**89.8**
EIE (UG)	70	34.3	27.1	11.5	1.4	**74.3**
EEE (UG)	207	53.2	29	4.8		**87**
ECE (PG)	16	68.8	25			**93.8**
EEE (PG)	16	56.3	43.7			**100**
CSE (PG)	36	88.9	2.8		8.3	**91.7**
CIVIL (PG)	16	87.5	12.5			**100**
MECH (PG)	8	50	50			**100**
MCA	54	29.6	70.4			**100**
M.Sc (CS)	25	40	60			**100**
M.Sc (MATHS)	37	43.24	40.54	10.81	0	**94.59**
M.Sc (Organic)	30	30	43.4			**73.4**
M.Sc (Analytic)	20	45	30			**75**
M.Sc (Physics)	30	30	50	16.7		**96.7**

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

1. Various templates (like result analysis, self appraisal forms, feedback analysis) are prepared and put on the IQAC website.
2. Information is circulated to all the departments through circulars, emails and sometimes oral communications is also used.
3. All the HODs are frequently reminded to counsel the students on a regular basis in the Heads of the departments meetings.
4. All the HODS are advised to conduct staff meetings after the results declaration to identify the weaker students for counselling them.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	2
UGC – Faculty Improvement Programme	3
HRD programmes	0
Orientation programmes	4
Faculty exchange programme	0
Staff training conducted by the university	4
Staff training conducted by other institutions	10
Summer / Winter schools, Workshops, etc.	18
Others	0

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	83	-	-	-
Technical Staff	21	-	-	-

Criterion – III

3. Research, Consultancy and Extension

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

In the IQAC meeting, all the HODS are instructed to apply for R&D projects, counsel the faculty for registering Ph.D, attend the conferences, seminars and workshops.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		01		
Outlay in Rs. Lakhs		21.8		

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number		3		
Outlay in Rs. Lakhs		6.65		

3.4 Details on research publications

	International	National	Others
Peer Review Journals	118	8	0
Non-Peer Review Journals	7	0	0
e-Journals	3	6	0
Conference proceedings	23	42	0

3.5 Details on Impact factor of publications:

Range [　] Average [　] h-index [　] Nos. in SCOPUS [12]

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2013-16	AICTE	21,80,000	17,93,334
Minor Projects	2014-16 (CSE) 2015-17 (PHYSICS) 2015-17 (ECE)	U.G.C U.G.C U.G.C	50,000 3,30,000 2,85,000	50,000 2,95,000 2,25,000
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects *(other than compulsory by the University)*				
Any other(Specify)				
Total			28,45,000	23,63,334

3.7 No. of books published   i) With ISBN No. [0]   Chapters in Edited Books [01]

ii) Without ISBN No. [6]

3.8 No. of University Departments receiving funds from

UGC-SAP [0]   CAS [0]   DST-FIST [0]

DPE [0]   DBT Scheme/funds [0]

3.9 For colleges   Autonomy [0]   CPE [0]   DBT Star Scheme [0]

INSPIRE [0]   CE [0]   Any Other (specify) [0]

3.10 Revenue generated through consultancy   10.28 lakhs

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	0	0	0	0	0
Sponsoring agencies	0	1	0	0	0

3.12 No. of faculty served as experts, chairpersons or resource persons   7

3.13 No. of collaborations   International 0   National 2   Any other 0

3.14 No. of linkages created during this year   2

3.15 Total budget for research for current year in lakhs :

From Funding agency 3,30,000/-   From Management of University/College 65,983/-

Total 3,95,983/-

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	NIL
	Granted	NIL
International	Applied	NIL
	Granted	NIL
Commercialised	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						

3.18 No. of faculty from the Institution
who are Ph. D. Guides   14
and students registered under them   46

3.19 No. of Ph.D. awarded by faculty from the Institution   0

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

JRF [ ]   SRF [ ]   Project Fellows [ ]   Any other   01

3.21 No. of students Participated in NSS events:

University level 0   State level 0

National level 0   International level 0

3.22 No. of students participated in NCC events:

University level	21	State level	0
National level	0	International level	0

3.23 No. of Awards won in NSS:

University level	0	State level	0
National level	0	International level	0

3.24 No. of Awards won in NCC:

University level	21	State level	0
National level	0	International level	0

3.25 No. of Extension activities organized

University forum	0	College forum	1		
NCC	21	NSS	0	Any other	0

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

- Maintenance of hostel for poor children.

- Volunteered various health camps organising by several Foundations on various days.

- Conducting blood test and donation camps by volunteers in college.

- Conducting Science fair competition in different villages.

- Participating and Volunteering various programs like Marathon program at Amaravathi on10th January, "Smart Village – Smart word" program at Guntur, Clean and Green program at various places and so on.

- Conduction of 'Come and Share' event.

- Conduction of Talent Tests program in various schools and providing 'Career Guidance' students that they can go through after S.S.C.

- Conducting various events for PCS (Deaf and Dumd School in vedhulapalli) children on the occasion of Children's day.

- Participating various cultural events (Painting, Singing, Skit, Mime, Mono acting, Dancing, Ad making) conducted in different colleges at different times.

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	36	0	COLLEGE	36
Class rooms	51	2	COLLEGE	53
Laboratories	55	3	COLLEGE	58
Seminar Halls	5	0	COLLEGE	5
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year.	0	FURNACE	UGC	2,00,000/-
Value of the equipment purchased during the year (Rs. in Lakhs)	10.65			20.80
Others				

4.2 Computerization of administration and library

Yes

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	53235	95,44,484	1206	4,75,959	54441	1,00,20,443
Reference Books	13187	61,38,177	338	1,41,840	13525	62,80,017
e-Books	809	11,500	--	--	809	11,500
Journals	98	1,63,205	20	58,600	118	2,21,805
e-Journals	275	5,44,067	--	--	275	5,44,067
Digital Database	--	--	--	--	--	--
CD & Video	2679	--	112	--	2791	--
Others (specify)	236	1,00,000	--	--	236	1,00,000

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	152	5	40 Mbps-Broad 2 Mbps-ILL	5	5	12	-	-
Added	0	0	18 Mbps-ILL	0	0	3	-	-
Total	152	5	40 Mbps-Broad 20 Mbps-ILL	5	5	15	-	-

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

> Nil

4.6 Amount spent on maintenance in lakhs:

i) ICT `-`

ii) Campus Infrastructure and facilities `52.63`

iii) Equipments `20.80`

iv) Others `-`

Total : `73.43`

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Grievance cell is established to take up the grievances of the students.
- Remedial classes are conducted.
- Career Counselling.
- Anti ragging cell looks after effective anti ragging measures.
- Vigilance cell to monitor the prevention of ragging.
- Disciplinary committee to look after overall in discipline related issues.
- Complaint boxes are kept in majority of the departments and at library, canteen.
- Maintaining gender equality.

5.2 Efforts made by the institution for tracking the progression

- Progress of various activities is monitored via circulars, instructions by phone, emails.
- Academic progress is monitored through frequent meetings with HODs.
- Every semester the results are analyzed thoroughly and appropriate measures are taken for further improvement of weaker students.
- Department meetings are conducted frequently to look after various departmental activities.
- Feedback from the students is taken on a regular basis and the performance of the faculty is evaluated and he is appraised to improve if any deficiency.
- Information and templates are put on the website.
- Question papers (old), manuals (lab) and study materials (some) are kept on the website.
- Interaction with the students is done on a regular basis and parents are informed immediately.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
4838	520		

(b) No. of students outside the state

NIL

(c) No. of international students

NIL

	No	%
Men	3572	67

	No	%
Women	1786	33

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
2335	751	165	2093	2	5346	2298	739	168	2150	3	5358

Demand ratio   Dropout %   2%

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

- Gate classes are taken up
- CRT classes are conducted for all the students of B.Tech and MCA course (all the years)

No. of students beneficiaries   688

5.5 No. of students qualified in these examinations

NET   0   SET/SLET   0   GATE   58   CAT   5

IAS/IPS etc   0   State PSC   0   UPSC   0   Others   10

5.6 Details of student counselling and career guidance

- Students are given GATE Training.
- CRT classes are conducted from first year onwards.
- They are advised about various opportunities for their career.

No. of students benefitted   521

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
22	780	321	58

5.8 Details of gender sensitization programmes

Separate women's grievance cell is established.

5.9 Students Activities

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

State/ University level   160   National level   10   International level   0

No. of students participated in cultural events

State/ University level   15   National level   0   International level   0

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

Sports : State/ University level   29   National level   6   International level   0

Cultural: State/ University level   7   National level   0   International level   0

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution		
Financial support from government	3570	12.90 crores
Financial support from other sources	120	1.1 crore
Number of students who received International/ National recognitions		

5.11   Student organised / initiatives

Fairs   : State/ University level   3   National level   1   International level

Exhibition: State/ University level   1   National level   1   International level

5.12   No. of social initiatives undertaken by the students

8

5.13 Major grievances of students (if any) redressed:

> Students often requested to have faculty from reputed institutes. This year in majority of the departments the faculty recruited were from NITs and IITs.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

> **Vision:**
>
> To build centers of excellence, impart high quality education and instill high standards of ethics and professionalism through strategic efforts of our dedicated staff, which allows the college to effectively adapt to the ever changing aspects of education.
>
> To empower, the faculty and students with the knowledge, skills and innovative thinking to facilitate discovery in numerous existing and yet to be discovered fields of engineering, technology and interdisciplinary endeavours.
>
> **Mission:**
>
> Our mission is to impart the quality education on par with global standards to the students from all over India and in particular those from the local and rural areas. We continuously try to maintain high standards so as to make them technologically competent and ethically strong individuals who shall be able to improve the quality of life and economy of our country.
>
> The vision and mission of the institute are realized through the ever changing syllabus under the guidance of highly knowledgeable academicians, professors and engineers from industry to suit to the changing technological developments. Part of it can be achieved by installing the centers of excellence in the college. The centers include Microsoft Innovation Center (MIC), Bosch Rexroth Center for Competence in Automation Technologies, Siemens Center of excellence and Robotic Technology Center in the research park. These centers enable students and faculty to enhance their practical skills and knowledge. All the departments of the college are equipped with the state of the art laboratories which enable the student to solve real world problems. The syllabus is designed to enhance the knowledge base in diversified fields and made the student ready for industry.

6.2 Does the Institution has a management Information System

NO

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

6.3.1 Curriculum Development

The institution accords highest priority to the curriculum development and its execution. It plays a vital role in the academic and professional careers of the graduates. The institution implements the following process to take care of the design and development of the curriculum.

- Constitution of Academic Council consisting of representatives from Universities, Industry, HODs and Professors.
- Constitution of Board of Studies (BOS) with Representatives from IITs, NITs, Universities, Industry and Research Organizations along with Senior Faculty of the Departments.
- Alumni surveys, Feedback from parents and employer responses are incorporated to upgrade, modify and introduce new topics relevant to the global economy in the production of various Goods and Services.
- Consultations among senior faculty regarding changes to be made to existing syllabus with the input from Alumni in informal discussions, suggestions from academic experts and Industry.
- The drafts are taken up for discussions at the Board of Studies meetings before the approval in the academic council and their discussions are made acceptable at large. Finally a comprehensive document stating the frame work of the curriculum is released and implemented.

6.3.2 Teaching and Learning

All the faculty members make use of different methods to ensure effective Teaching – Learning activities. The lecture method constitutes a major part of the teaching exercise owing to the students who hail from rural areas in general and slow learners in particular. However every teacher incorporates time tested teaching practices which make the classes more effective, interesting and student-centric.

- All the faculty members maintain their respective course files that includes the course objectives & outcomes, syllabus including prescribed and reference text books, Lesson plan, previous question papers, assignment and sessional question papers, lecture notes etc.
- Faculty members use e-learning tools such as CDs/DVDs, Internet, and Power Point etc., in all courses.
- Field trips to industries, exhibitions etc., so as to update the skills of faculty as well as the students.

- The College motivates the Departments to organize Faculty Development Programmes /Workshops/Seminars/Conferences on a regular basis where the faculty can upgrade their intra as well as inter personal skills.

- For each theory subject, lecture plan is prepared by the concerned teacher to ensure that a uniform pace of teaching is maintained.

- The concerned HOD monitors the syllabus progress on a regular basis and reports the same to the Principal. Wherever, a deviation is observed, the HOD seeks clarification from the teacher concerned. If necessary additional classes are planned.

- The course is taught in such a way that the objectives are fulfilled and is completed as per schedule.

- Efforts are made to see that each student follows the fundamentals thoroughly.

- A faculty member in-charge of each section / a group of 15-20 students collects the academic data of the students in the internals as well as at the end semester examination.

- The Departments conduct class interaction & personal counselling; the suggestions from the students are discussed at length in the Departmental staff meetings. Necessary measures are taken to ensure greater excellence in teaching/ learning process.

- From the collected information and their performance in the sessional examination, slow and advanced learners are identified and remedial coaching is arranged during zero hours. Personal attention is also paid to the identified slow learners. Counselling is also conducted in the presence of their parents if necessary.

- The Department also collects the feedback from the students at the end of each semester to know about the teaching / learning of each subject through a questionnaire. Necessary measures are taken to ensure improvement in teaching / learning process in future.

- Feedback from alumni is also obtained through a questionnaire. The information is used to take proper remedial measures in the teaching methodology and making certain facilities more student-friendly to achieve the defined outcomes.

6.3.3 Examination and Evaluation

Examination:
   There are significant reforms in Examination system.
   - Credit system was introduced for the benefit of the students.
   - Project works and assignments are made part of evaluation.
   - 40 % attendane.
Evaluation:
   The College follows a transparent evaluation system. The evaluated answer scripts of every sessional examination with comments are distributed to the students. All the students have easy access to the teachers and can seek

clarification regarding the scheme of evaluation. Any discrepancies reported by any student are rectified before the marks statement is finalized

Any grievance in the End Semester examinations is addressed to the Dean/Controller of Examination. The redressal of grievances regarding evaluation of the End Semester examination is available in two ways viz. Recounting of Marks and Revaluation of answer script. Therefore the student may either opt for verification of marks or revaluation of the whole answer book. The student may submit his/her application within stipulated period from the date of announcement of results to the office of the Examination section.

The Answer script is Recounted /Revaluated by the expert appointed by Dean/Controller of Examination. The results of recounting/revaluation are announced through website.

6.3.4 Research and Development

- The senior faculty members who have Ph.D. degrees are involved in decimation of their research findings into the curriculum.
- The elective courses, term papers and project works are designed to inculcate research aspirations among students.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Central Library is housed in a spacious building of plinth area of 2,188 sq meters. It has a collection of over 69,422 volumes related to all the branches of Science and Engineering. A large number of National (80) and International (311) journals and magazines are subscribed. Special volumes like Handbooks, Standard books, Manuals, Encyclopaedias, Technical reports, ISTE Learning Materials, Project Reports, periodicals, Non-Book materials and Conference Proceedings are also available to the students and teachers. Digital library service is also on the anvil.

- The library is fully automated with SOUL Software developed by INFLIBNET.
- Each Department is provided sufficient number of Computers with intranet/internet facility.
- Departments are provided with AC seminar Halls with ICT facilities to conduct guest lectures, seminars, workshops etc.,
- Each Department is provided 2/3 class rooms with LCD facility.
- Some of the Departments are provided with e-class rooms and Virtual Laboratories
- By conducting induction training program for young faculty.
- By organizing Workshops / Conferences / FDP's.
- Laboratories are equipped with modern software packages.
- e- Journals and e- books.

6.3.6 Human Resource Management

- Work load is calculated.
- Advertisement is given for faculty recruitment.
- Written test and demo conducted.
- Completely transparent process with a committee comprising management, Principal and HOD along with senior staff.

6.3.7 Faculty and Staff recruitment

Faculty recruitment process is carried out through Acharya Nagarjuna University staff selection committee for teaching staff / BEC staff selection committee for teaching and non-teaching.

6.3.8 Industry Interaction / Collaboration

To share mutual knowledge between industry and the institution, the institution entered into a Memorandum Of Understanding with Industries across the country. Both the institution and the industry have found it mutually beneficial to explore cooperative activities for the following purposes.

- Collaboration with the industry/institution oriented activities between the industry and the institution.
- Two-way transfer of technology information and knowledge through collaborative programs, like Guest Lectures, Seminars, Symposia and other interactive programs.
- Exchange of visits by technical people in the industry to institute and vice-versa.
- Provide free access to knowledge resources of the institute to the Industry and vice-versa.
- Provide free access to laboratory and testing facilities available at the institute to the industry and vice-versa.
- Pool up the knowledge and expertise of the technical people of the industry and for mutually agreed execution of joint ventures/activities.
- Provide assistance/guidance for the project work of U.G. / P.G. programmes and for research work of mutual interest.
- MOU with NASSCOM, APSSDC.

6.3.9 Admission of Students

The State of Andhra Pradesh is having a centralized admission procedure. Common Entrance Test "EAMCET" for admission into UG, "PGECET" for admission into MTech and "ICET" for admission into MCA are conducted by APSCHE (a state agency), Govt. of Andhra Pradesh.

6.4 Welfare schemes for

Teaching	2
Non teaching	3
Students	National insurence

6.5 Total corpus fund generated

5 lakhs

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		Yes	
Administrative	No		Yes	

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?

1. Makeup test provision for internal improvement
2. Course repetition provision for improvement in the SEE
3. Answer Scripts given for verification
4. Scheme and evaluation process put on the website for better transparency

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

Not applicable as the college is already autonomous college.

6.11 Activities and support from the Alumni Association

- Yearly gold medal sponsoring
- Every year some financial support

6.12 Activities and support from the Parent – Teacher Association

Not available.

6.13 Development programmes for support staff

Embedded systems from theory to practice. Feb-2016 (SVECW) (ECE Department)

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

- Good no of trees are planted
- Vehicles are parked near to the entrance.
- Garden is maintained effectively
- Solar power plant

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.

- Scheme and evaluation procedure is kept on the website
- SEE scripts are given to students for verification
- No revaluation fee is collected from the students
- Availability of the department data is put on the website for better access.
- MOOCS course introduced
- MOUs with NASSCOM and APSSDC

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

- Effective student counselling
- SEE scripts are given to students for verification
- No revaluation fee is collected from the students
- Availability of the department data is put on the website for better access.
- MOOCS course introduced
- Fast results declaration within two weeks time.

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

The details are Provided in the Annexure – III.

7.4 Contribution to environmental awareness / protection

- Eco friendly environment through plantation of more trees.
- Maintenance of the garden in a regular manner.

7.5 Whether environmental audit was conducted?   Yes ☐   No ☑
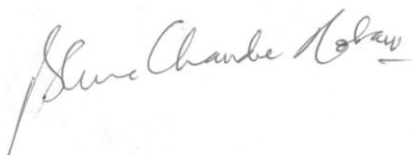
7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

The institution is trying its best to give quality education to all the students majority of whom are from rural background. Students are constantly encouraged to attend seminars, conferences, and workshops. Examination system is getting strengthened by incorporating more transparent approaches. Faster result declarations with minimal errors. It is putting efforts to strengthen the R&D activities by applying R&D projects. Students are given rigorous training for their placement.

8. Plans of institution for next year

- Effective Interactions with stakeholders
- Obtaining funding from external resources.
- Increase placement offers
- Improving in academic results.
- Quality publication from the faculty
- Better interaction with industry.

Name _Dr. B. Chandra Mohan_   Name _Dr. N. Sudhakar_

_____   _____

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

_____***_____

ACADEMIC CALENDAR

BAPATLA ENGINEERING COLLEGE (AUTONOMOUS)

ACADEMIC CALANDER

HLL HOD'S.

PROPOSED ACADEMIC CALANDER FOR II & III B.TECH CLASSES
FOR THE ACADEMIC YEAR - 2015-16

BEI/E/3/1046

II B.TECH CLASSES

DESCRIPTION	I SEMESTER	II SEMESTER
COMMENCEMENT OF CLASS WORK	23-07-2015	17-12-2015
FIRST MID-TERM EXMINATIONS	14.09.2015 TO 19.09.2015	15.02.2016 TO 20.02.2016
LAST INSTRUCTION DAY	18-11-2015	13-04-2016
SECOND MID-TERM EXAMINATIONS	19.11.2015 TO 25.11.2015	16.04.2016 TO 22.04.2016
PREPARATION HOLIDAYS	26.11.2015 TO 30.11.2015	23.04.2016 TO 27.04.2016
SEMESTER END EXAMINATIONS	01.12.2015 TO 16.12.2015	28.04.2016 TO 14.05.2016

III B.TECH.CLASSES

DESCRIPTION	I SEMESTER	II SEMESTER
COMMENCEMENT OF CLASS WORK	15-07-2015	14-12-2015
FIRST MID-TERM EXMINATIONS	12.09.2015 TO 19.09.2015	15.02.2016 TO 20.02.2016
LAST INSTRUCTION DAY	14-11-2015	08-04-2016
SECOND MID-TERM EXAMINATIONS	16.11.2015 TO 21.11.2015	09.04.2016 TO 16.04.2016
PREPARATION HOLIDAYS	22.11.2015 TO 27.11.2015	17.04.2016 TO 22.04.2016
SEMESTER END EXAMINATIONS	28.11.2015 TO 13.12.2015	23.04.2016 TO 08.05.2016

Dasara Holidays :   18.10.2015 TO 25.10.2015.
Pongal Holidays :   10.01.2016 TO 17.01.2016.
Commencement of class work for the academic year-2016-17
For IV B.Tech   :20.06.2016   For III B.Tech   :13.06.2016

Note: To cope up with holidays, extra instruction in the third session is to be conducted for atleast 4 sessions each before and after the first mid examinations.

PRINCIPAL 01/08.

Copy to
All Notice Boards
All HoDs
All HoDs for staff circulation
Controller of Examinations
Chief Superintendent (Exams)
Exam section
Scholarship section
Fees section

BAPATLA ENGINEERING COLLEGE :: BAPATLA
Faculty Evaluation Report
I Semester
Academic Year : 2015-16

S.No.	Name of the Staff	Name of Subject 1	Grade (PI)	Name of Subject 2	Grade (PI)	Name of Subject 3	Grade (PI)
1	Dr.V.madhavarao	Engg. Chemistry	8.9	Org Spectroscopy		0	-
2	Dr.K.Prasadarao	Engg. Chemistry	8.5	Drugs		Analytical Chem	
3	Dr.Ch.Subramanayam	Engg. Chemistry	8.72	Physical Chemistry			
4	Mr.A.Gopal	Engg. Chemistry	9.2	Inorganic chemistry			
5	Dr.V.Syamala	Engg. Chemistry	9.02	General chemistry		Analytical Chem	
6	Dr.N.Srinivasarao	Engg. Chemistry	9.3	Analytical tec			
7	Mr.S.Mohan	Engg. Chemistry	8.42	Environmental Sci			
8	Smt.V.krishnaveni	Engg. Chemistry	8.56	Analytical Chem			
9	Smt.P.Priyadarsini	Engg. Chemistry	8.4				
10	Dr.P.Krishnamurthy	Engg. Chemistry	9.01	Environmental Sci		Supperation tech	
11	Smt.N.Yamunabee	Engg. Chemistry	9.1				
12	Smt.T.Gamgasree	Engg. Chemistry	8.7				
13	Mr.K.Sudheer kumar	Engg. Chemistry	9.03	Environmental Sci			
14	Dr.J.Venkateswara rao	Engg. Chemistry	9.11	Gen Org Chem		Reaction Mech	
15	Dr Ch N Satish Kumar	Structural Analysis - I	8.1	Structural Analysis - I	7.6		
16	Dr Ch Maruthi Devi	Environmental Engineering - II	9	Environmental Engineering - II	8.7		
17	Sri P Bapi Raju	Geo-Technical Engineering - I	7	Estimation & Quantity Surveying	6.9		
18	Dr M S Sambasiva Rao	Engineering Geology	8.8	Engineering Geology	8.8	Engineering Geology	9
19	Sri Y Ravi	Surveying-I	8.3				
20	Sri S Ganapathi Prasad	Fluid Mechanics	9.1	Fluid Mechanics	9.5		
21	Sri T Chiranjeevi	Transportation Engineering - I	7.9	Transportation	7.7		

No	Name						
				Engineering - I			
22	Sri K Ravi Kumar	Surveying-I	7.2	Estimation & Quantity Surveying	7.1		
23	Sri A Vijaya Rama Raju	Fluid Mechanics	7.6	Water Resource Engineering-I	6.9		
24	Sri K Hari Babu	Solid Mechanics - I	7	Earthquake Resistant Design of Structures	8.7	Earthquake Resistant Design of Structures	8.8
25	Sri T Santhi Sagar	Structural Analysis - III	6.7	Structural Analysis - III	7.7		
26	Sri Y Murali Krishna	Design of Steel Structures-I	8.2	Design of Steel Structures-I	8.1		
27	Sri R L R Nagendra Prasad	Building Materials and concrete Technology	7.9	Water Resource Engineering-I	6.9		
28	Sri Y Prasana Kumar	Building Materials and concrete Technology	8.2				
29	Sri N Pradeep	Solid Mechanics - I	8.6				
30	Sri P Viondh Kumar	Solid Mechanics - I	7	Design of Concrete Structures-I	5.8		
31	Sri K Babu Rao	Design of Concrete Structures-I	7.2				
32	Nelapati Balaji	Pre-stressed Concrete	6.2	Pre-stressed Concrete	7.2		
33	Sri Jaya Sundar Kommera	Geo-Technical Engineering - I	8.7				
34	Sri Siva Rama Krishna Uppuluri	Surveying-I	7.5				
35	Miss P Sowjanya	Building Materials and concrete Technology	7.8				
36	Dr.B.Chandra Mohan	DIP	9.0	SS	8.4	-	-
37	Dr.N.Venkateswara Rao	MW	9.2	ANN			
38	K.Sambasiva Rao	SAT COM	8.1	SAT	8		
39	P.Surendra Kumar	LCS	8	LCS	7.6		
40	CH.Altaff Hussain	SS	8	SS	7.6		
41	T.Krishna Chaitanya	VLSI	8.3	MSFB			

42	SK.M.Subhani	ES		ES			
43	D.Swetha	SATCOM	9.3	SATCOM			
44	M.Baby	MW	7.2	MW	7.9		
45	M.Suneel	DIP	8.9	W.COM			
46	B.Surendra Babu	DIP	8.8	OFDM			
47	SK.Idrish	ES		ES			
48	P.P.M.Prasad	MP&MC	5.3	MP&MC	6	MP&MC	6.3
49	K.Balavani	ES		ES			
50	N.Naga Swathi	AC	6.5	AC	7.1	AC	6.9
51	Y.Sruthi	DE	8.1	DE	7.2		
52	P.Tejaswi	LICA	6.8	LICA	6.6		
53	A.S.N.Sweta	CT	6.9	CT	6.2		
54	M.Lakshmi	DE	6.1	RTSP			
55	Sd.Imran Basha	EDC	6.9	EDC	6.9	EDC	6.1
56	K kalpana	BEE		SP			
57	G.Lalitha	M.Sc		FOC			
58	A.Neelima	LICA	5.9	LCS	5.3		
59	P.Ravi	ECII	7.3	ECII	5.8	ECII	6.1
60	Ch.Subba Reddy	PSC	6.7	ADC			
61	S.Ramesh	VLSI	7.7	VLSI	8.9		
62	P.Vasudeva Reddy	PSC	7.1	PSC	6.4		
63	E.Sumalatha	BEE		BEE		BEE	
64	K Naga Raju	DS	7.3	DS	7.5	DS	7.1
65	D. Suneel Varma	CT	7.6	CTT			
66	Dr. G. Ravi Kumar	Circuit Theory-I	7.6	Operation research	8.5	-	-
67	Smt. N. Rama Devi	Switch Gear & Protection	8.4	Advanced power system protection	8.7		
68	Mr. K. Ramesh	Electro Mechanics-III	8.8	Power System Stability	8.9		
69	Mr. N. Karthik	Electrical Power Distribution Systems	6.7	Transmission & Distribution	8		
70	Mr. Ch. Sridhar	Utilization of Electrial Power	8.4	Electro Mechanics-III	7.9		
71	Smt. K. Kamala Devi	Switch Gear & Protection	6	Genetation of electrical power	6.7		
72	Mr. G. Rajesh	Power System Operation & Control	7.5	Utilization of Electrial Power	8.2		
73	Mr. B. Shanker	Power System Operation & Control	8.2	Real time power system	8		
74	Mr. P. Sampath Kumar	Circuit Theory-I	8.7	Flexible A.C Tranmsission	9.3		

				Sysems			
75	Mr. Ch. Hari Prasad	Switch Gear & Protection	8.7	Lenear Integrated Circuits	7.4		
76	Mr. T. Ramesh Kumar	Electrical Measurements	8.6	Electro Mechanics-III	8.8		
77	Mr. J. pardhasaradhi	Transmission & Distribution	6				
78	Mr. G. Anil Kumar	Transmission & Distribution	6.9	Utilization of Electrial Power	6.1		
79	Mr. N. Balakrishna	Switching theory and logic design	7.1	Electrical power distribution systems	7.7		
80	Mr. B. Vijayakrishna	Electrical Power Distribution Systems	7.1				
81	Mr. J. Ravindra	Electrical Measurements	7.6	Modern Control Theory	8.5		
82	Mr. M. Durga Prasada Rao	Generation of Electrical Power	7.5	Electrical Measurements	6.3		
83	Mr. B. Praveen Kumar	Electronic Circuits-II	7.8	Solid state power converters	7.5		
84	Mr. B. Suresh Babu	Linear Integrated Circuits	7.1	Switching theory and Logic design	7.7		
85	Mr. Sk. Karimulla	Electronic Circuits-II	8	Electronic Circuits-II	7		
86	Ms. M. Nagendra	Linear Integrated Circuits	6.6	Basic Electronic Devices	7.5		
87	Mr. M. S. Rama Krishna	Generation of Electrical Power	8.2	Circuit Theory-I	6.8		
88	Mr. I.V. Raghavendra	Digital Signal Processing	9	Control Systems	9.8		
89	Mr. Y. Mahesh Babu	EHVAC	8.3	Basic Electronic Devices	8.1		
90	Mr. D. Suresh Babu	DC Machines	9.1				
91	Ms. D. Nagalakshmi	DC Machines	7.2	Basic electrical engineering	8.3		
92	Mr. K. Rajendra	Computer Methods in Power Systems	8.7	Professional Ethics & Human Values	6.5		
93	Mr. G. Ramesh Babu	Basic electronic devices	6.1				

94	Ms. SK. Jahera	Basic electrical engineering	8				
95	Ms. G. Vijayalakshmi	Basic electrical engineering	7.4				
96	Ch. Ramesh	Micro Processor & Micro Controllers & EI 316	8.47	Automation Technology EI-416	9.07		
97	D.Niranjan Babu	Circuit Theory & 14 EI 306	7.67	LIC Applications & EI 311	8.63		
98	J. Venkata Lakshmi	Transducers & EI 314	8.07	Computer Networks & EI 415	8.26		
99	B.V.Kumara Swamy	Electronic Devices 14 EI 303	7.43	VLSI Design EI-412	8.97		
100	P.Vinodh Babu	Digital Electronics 14 EI 305	8.71	Computer Control of Process & EI 414	9.39		
101	M.V.N.Chakravarthi	Pulse and Switching Circuits & EI 315	9.22	Analytical Instrumentation & EI 413	9.39		
102	T. Srinivasa Rao	Linear Control Systems EI-312	6.48	--	--		
103	M.Murali Krishna	Data Structures & 14 EI 302	7.87	Electronics Circuit -II & EI 313	7.31		
104	Dr P.Asha Madhavi	Communicative English	8.9			-	-
105	N.Sudheer Kumar	Communicative English	9.4				
106	P.V.N. Malleswara Rao	Communicative English	9.1				
107	K.Kalyan Kumar	Communicative English	9.3				
108	Ch. Suresh	Communicative English	9				

109	M. Chandra Sekhar	Communicative English	9.5				
110	K. Venkata Lakshmi	Communicative English	9.3				
111	M. Swathi	Communicative English	9.2				
112	M. Veeraiah	Communicative English	9.1				
113	N.SivaRam Prasad	Cryptography&network security	8.5	Data Structures	8.7	-	-
114	K.Srinivasarao	Professional ethics &Human values	7.2	Professional ethics &Human values	8.6		
115	G.Prasad	Design &Analysis of Algorithms	8.6	Data communication system	7	Data communication system	7.3
116	PAV Krishnarao	Advanced DBMS	7.9	Data Structures	7.6		
117	B.Krishnaiah	oop using C#	7.9	oop using c#	7		
118	M.Praveenkumar	Distributed system	8.4	OOAD	8.5		
119	N.Srinivasarao	OOAD	7.7	Design &Analysis of Algorithms	8.3		
120	P.Srinivasarao	Digital logic &design	8.1	Digital logic &design	8.3		
121	K.Sai prasanth	Distributed system	8.5	Web Technology	7.3		
122	P.Ratnaprakash	Web Technology	8.7	Operating system	7.4		
123	P.Ravikumar	Advanced DBMS	8.9	DBMS	7.5		
124	K.Suresh kumar	ATFL	7.3	ATFL	7.3		
125	K.Ravitej	Operating system	7.5	DBMS	8.7		

126	D.SivaPhanindra	DMS	7.5	DMS	7.1		
127	P.Chandra sekhar	Cryptography &network security	9				
128	Dr. P. Vijaya Saradhi	Algebra	9	Functional Analysis	9.6		
129	Dr. T. Srinivasa Rao	Engg. Maths-I	8.6	Engg. Maths-III	8.5	Engg. Maths-III	7.7
130	Dr. K.V.L.N.Acharyulu	Real Analysis-I	9.7	Engg. Maths-I	9.9	Engg. Maths-I	9.6
131	N.Karunakar	Rings and Modules	9.8	Engg. Maths-I	7.5	Engg. Maths-III	7.5
132	Dr. Noorbhasha Rafi	Number Theory	9.6	Engg. Maths-I	8.9	PSOT	7.6
133	M. Srujana	Complex Analysis	9.6	Engg. Maths-I	9.4	Engg. Maths-III	9.1
134	P. Prasanthi	Differential Equations	9	Engg. Maths-I	8.7		
135	I. Pothuraju	Linear Programming	9.7	Engg. Maths-I	9.3		
136	Sk. Asmatara	Topology	9.5	Engg. Maths-I	9	Engg. Maths-I	8.8
137	G.Bhargavi	Engg. Maths-I	9.4	Engg. Maths-I	8.8	Engg. Maths-I	9.4
138	K.Nagamani	Engg. Maths-I	9	Engg. Maths-III	8.3	Engg. Maths-III	8.6
139	S. Venkata Vasavi	Discrete Mathematics	9.2	Engg. Maths-I	9.4	Engg. Maths-I	9.1
140	Sk. Khamarjahan	Engg. Maths-I	7.2	Engg. Maths-III	7.8	Engg. Maths-III	7.3
141	P.Naga Lakshmi	Engg. Maths-III	7.8	Engg. Maths-III	8.3	Engg. Maths-III	8.8
142	Ch.Sudha Lakshmi	Engg. Maths-III	9.2	Engg. Maths-III	9.5	Engg. Maths-III	9

143	K N Prasad	Microprocessor & Interfacing	9.9	Artificial Intelligent	9.7		
144	N Kiran Kumar	Design & Analysis of Algorithms	9.6	Cryptography & Network Security	9.8		
145	Farhad Sultana	.Net Programming	9.6	Operations Research	9.6		
146	K Bharathi	Object Oriented Programming Through Java	9.6	Embedded Systems	9.5		
147	B Sateesh	Data Warehousing & Data Mining	9.75	Software Engineering	9.65		
148	P V Koteswara Rao	Computer Organization	9.5	Advanced Java Programming	9.45		
149	B V Koteswara Rao	Fundamentals of Computers	9.5	Data Structures using C	9.4		
150	B Prem Kumar	Discrete Mathematics Structures	9.6	Computer Graphics	9.4		
151	K Mohan Babu	Programing with C	9.65	Java Programming	9.7		

S. No.	Name of the Staff	Name of Subject 1	Grade (PI)	Name of Subject 2	Grade (PI)	Name of Subject 3	Grade (PI)
1	Dr.V.madhavarao	Engg. Chemistry	8.8	Org Spectroscopy			-
2	Dr.K.Prasadarao	Engg. Chemistry	8.3	Drugs		Analytical Chem	
3	Dr.Ch.Subramanayam	Engg. Chemistry	8.3	Physical Chemistry			
4	Mr.A.Gopal	Engg. Chemistry	9.38	Inorganic chemistry			
5	Dr.V.Syamala	Engg. Chemistry	9.4	General chemistry		Analytical Chem	
6	Dr.N.Srinivasarao	Engg. Chemistry	9.5	Analytical tec			
7	Mr.S.Mohan	Engg. Chemistry	8.3	Environmental Sci			
8	Smt.V.krishnaveni	Engg. Chemistry	8.4	Analytical Chem			
9	Smt.P.Priyadarsini	Engg. Chemistry	8.3				
10	Dr.P.Krishnamurthy	Engg. Chemistry	8.4	Environmental Sci		Supperation tech	
11	Smt.N.Yamunabee	Engg. Chemistry	8.8				
12	Smt.T.Gamgasree	Engg. Chemistry	7.26				
13	Mr.K.Sudheer kumar	Engg. Chemistry	8.7	Environmental Sci			
14	Dr.J.Venkateswara rao	Engg. Chemistry	9.2	Gen Org Chem		Reaction Mech	
15	Dr Ch N Satish Kumar	Structural Analysis - II	8.3	Solid Mechanics - II	8.7		
16	Dr T Chandra Sekhar Rao	Bridge Engineering	8.8	Structural Analysis - II	8.6		
17	Dr Ch Maruthi Devi	Environmental Engineering - I	8.8				
18	Sri P Bapi Raju	Construction Engineering	7.2	Geo-Technical Engineering - II	7.5	Geo-Technical Engineering - II	6.8
19	Dr M S Sambasiva Rao	Professional Ethics and Human values	8.4	Professional Ethics and Human values	9.2	Professional Ethics and Human values	9
20	Sri Y Ravi	Surveying - II	8.3				
21	Sri S Ganapathi Prasad	Hydraulics & Hydraulic Machines	8.4	Hydraulics & Hydraulic Machines	9		

22	Sri T Chiranjeevi	Transportation Engineering - II	8.7	Transportation Engineering - II	8.1		
23	Sri K Ravi Kumar	Construction Engineering	8	Surveying - II	7.3		
24	Sri A Vijaya Rama Raju	Water Resource Engineering-II	7.5	Hydraulics & Hydraulic Machines	8.7		
25	Sri K Hari Babu	Design of Concrete Structures-II	8.5				
26	Sri T Santhi Sagar						
27	Sri Y Murali Krishna	Design of Steel Structures-II	8.6	Design of Steel Structures-II	8.3		
28	Sri R L R Nagendra Prasad	Water Resource Engineering-II	7.4				
29	Sri Y Prasana Kumar	Environmental Engineering - I	7.8	Environmental Engineering - I	7.7		
30	Sri P Viondh Kumar	Design of Concrete Structures-II	5.5	Solid Mechanics - II	8.2		
31	Sri K Babu Rao	Payment Analysis and Design	7.3	Payment Analysis and Design	8		
32	Nelapati Balaji	Bridge Engineering	7.4				
33	Sri Jaya Sundar Kommera	Remote Sesing & GIS	8.9	Remote Sesing & GIS	8.2		
34	Sri Siva Rama Krishna Uppuluri	Surveying - II	8.2				
35	Sri B Ravi	Solid Mechanics - II	8.6				
36	Dr.B.Chandra Mohan	DC	8.1	IVP			
37	Dr.N.Venkateswara Rao	AWP	8.4	ANN			
38	K.Sambasiva Rao	EMFT	7.9	RADAR	7.6		
39	P.Surendra Kumar	NAS	6.3	AWP	8.6		
40	CH.Altaff Hussain	DSP	8	DSP	6.7		
41	T.Krishna Chaitanya	DSP	8	PEHV	7.6		
42	SK.M.Subhani	BEMP		BEMP			
43	D.Swetha	RADAR	8.8	RADAR	9.3		
44	M.Baby	MCM	9	MCM	9.3		
45	M.Suneel	OFC	9.1	MTEH			
46	B.Surendra Babu	BEE		BEE			
47	SK.Idrish	VHDL	7.2	VHDL	8.3		
48	P.P.M.Prasad	PEHV	7.7	PEHV	7.3		
49	K.Balavani	EC-I					
50	N.Naga Swathi	CMS	7.3	CMS	6.9		
51	Y.Sruthi	BI	5.7	BI	6.9		
52	P.Tejaswi	AC	5.4	AC	6.5		

53	A.S.N.Sweta	BI	5.9	MSC			
54	M.Lakshmi	NAS	5.9	NAS	7.1		
55	Sd.Imran Basha	OOPS	8.7				
56	K kalpana	BEE					
57	G.Lalitha	MCM	5.8	FOC			
58	A.Neelima	OFC	6.4	OFC	7.6		
59	P.Ravi	EC-I	5.9	DC	7.5		
60	Ch.Subba Reddy	DC	5.3	ADC			
61	S.Ramesh	EC-I	6.5	EC-I	7.7	VHDL	9.4
62	P.Vasudeva Reddy	EMFT	8	EMFT	7.6		
63	E.Sumalatha	AWP	5.2	BEE			
64	K Naga Raju	OOPS	7.4	OOPS	6.7		
65	D. Suneel Varma	NAS	6.4	CMS	7.1		
66	Dr. G. Ravi Kumar	Micro processor and Micro controller	8.1			-	-
67	Smt. N. Rama Devi	Computer aided power systems	7.9				
68	Mr. K. Ramesh	Network Analysis-II	7.5	High Voltage Engineering	7.9		
69	Mr. N. Karthik	Network Analysis-II	7.7	Computer Aided Power Systems	7.6		
70	Mr. Ch. Sridhar	Control systems	8.1	Industrial Drives	8		
71	Smt. K. Kamala Devi	Professional ethics and human values	6.4	Power System Analysis	6.2		
72	Mr. G. Rajesh	Electromagnetic Field Theory	7.3	Electromagnetic Field Theory	8.1		
73	Mr. B. Shanker	Transmformer & Induction Motors		Computer Aided Power Systems			
74	Mr. P. Sampath Kumar	Network Analysis-II	8.1	Industrial Drives	8.3		
75	Mr. Ch. Hari Prasad	Highvoltage Engineering	8.6	Digital Signal Processing	6.8		
76	Mr. T. Ramesh Kumar	Transmformer & Induction Motors	9	Power System Analysis	9.3		
77	Mr. J. pardhasaradhi	Power Systems Analysis	6.7	Basic Electrical Engineering	7.7		
78	Mr. G. Anil Kumar	Flexible A.C Transmission Systems	6.7	Power Electronics	7.3		
79	Mr. N. Balakrishna	Electromagnetic Field Theory	7.3	Micro processor and micro controller	7.5		
80	Mr. B. Vijayakrishna	Industrial Drives	7.5				
81	Mr. J. Ravindra	Flexible A.C	7.7				

		Transmission Systems					
82	Mr. M. Durga Prasada Rao	Flexible A.C Transmission Systems	6.5	Electical technology	8.5		
83	Mr. B. Praveen Kumar						
84	Mr. B. Suresh Babu	Control systems	8.1				
85	Mr. Sk. Karimulla	Highvoltage Engineering	8.1	Analog Electronic Circuits	7.4		
86	Ms. M. Nagendra	Digital Signal Processing	8	Analog Electronic Circuits	8		
87	Mr. M. S. Rama Krishna	Power Electronics	7				
88	Mr. I.V. Raghavendra	Switching Theory & Logic Design	8.9	Power System Operation & Control	8.2		
89	Mr. Y. Mahesh Babu	Basic electrical engineering					
90	Mr. D. Suresh Babu	Power Electronics	8.8				
91	Ms. D. Nagalakshmi	Transmformer & Induction Motors	7.4	Basic Electrical Engineering	7.8		
92	Mr. K. Rajendra	D.C Machines	7				
93	Mr. G. Ramesh Babu	Basic electrical engineering					
94	Ms. SK. Jahera	Micro processor and Micro controller	8.2				
95	Ms. G. Vijayalakshmi	Professional ethics and human values	7				
96	Ch. Ramesh	Professional Ethics and Human Values	8.46	Signal and Systems	7.44		
97	D.Niranjan Babu	Electronic Circuits - I	8.97	Basic Electrical and Electronics	9.19		
98	J. Venkata Lakshmi	Micro Processors & Interfacing	6.71	Analog and Digital Communicatio n	8.07		
99	B.V.Kumara Swamy	Electrical & Electronic Measurements	7.5	Process Control	7.84		
100	P.Vinodh Babu	Industrial Instrumentation	9	Biomedical Instrumentation	9.64		
101	M.V.N.Chakravarthi	Digital Signal Processing	8.72	Optoelectronics and laser Instrumentation	9.44		
102	T. Srinivasa Rao	Digital Image Processing	8.54				

103	M.Murali Krishna	OOPS & OS	6.76	PC Based Instrumentation	8.52		
104	Dr P.Asha Madhavi	Communicative English	9.2				
105	N.Sudheer Kumar	Communicative English	9.6				
106	P.V.N. Malleswara Rao	Communicative English	8.8				
107	Dr Sk. Shabreen Sulthana	Communicative English	--				
108	K.Kalyan Kumar	Communicative English	9				
109	Ch. Suresh	Communicative English	8.9				
110	M. Chandra Sekhar	Communicative English	9.4				
111	K. Venkata Lakshmi	Communicative English	9.2				
112	M. Veeraiah	Communicative English	8.8				
113	N.SivaRam Prasad	IDACS	8.3	IDACS	8.6		
114	K.Srinivasarao	Computer Organization	8.8	Software Testing Methodologies	9.2		
115	G.Prasad	Design &Anaysis of Algorithms	7.8	Compiler Design	7.8		
116	K.Bhaskar rao	Computer Networks	6.5	.Net Technologies	6.8		
117	PAV Krishnarao	Computer Networks	6.5	.Net Technologies	6.8		
118	B.Krishnaiah	GUI Programming	6.8	Software Engineering	7.8		
119	M.Praveenkumar	Storage AreaNetworks	9.2	Software Engineering	7.2		
120	N.Srinivasarao	Design &Anaysis of Algorithms	8.2	storage Area Networks	7.8		
121	K.Sai prasanth	Web Technologies	7.5	.Net Technologies	8.3		
122	P.Ratnaprakash	GUI Programming	8.4	Enterprise Programming	8.9		
123	P.Ravikumar	Data Engineering	9.4	Data Engineering	9		

124	K.Suresh kumar	ATFL	8.9	Compiler Design	8.3		
125	K.Ravitej	Computer Networks	8.6				
126	D.SivaPhanindra	Web Technologies	8.3	ATFL	8		
127	P.Chandra sekhar	Computer Organization	8.8	Computer Programming with 'c'	9.5		
128	Dr. N. Prabhakara Rao	Graph Theory	9.5	Lattice Theory	9.7		
129	Dr. P. Vijaya Saradhi	Galoi's Theory	8.6	Near Rings	9.5	Engg. Maths-II	8.6
130	Dr. T. Srinivasa Rao	Measure and Integration	8.7	Engg. Maths-II	9.3	Engg. Maths-II	NA
131	Dr. K.V.L.N.Acharyulu	Real Analysis-II	9.6	Engg. Maths-IV	9.5	Engg. Maths-IV	9.6
132	N.Karunakar	Non Commutative Rings	9.6	Engg. Maths-II	9.2	Engg. Maths-II	NA
133	Dr. Noorbhasha Rafi	Engg. Maths-II	9.3	Engg. Maths-IV	7.2		
134	M. Srujana	Numerica methods	9.1	Engg. Maths-II	9.3	Engg. Maths-IV	NA
135	P. Prasanthi	Engg. Maths-IV	7.8	Engg. Maths-IV	8.2	Engg. Maths-IV	7.9
136	I. Pothuraju	partial differential equ.	9.5	Engg. Maths-II	8.6	Engg. Maths-IV	8.3
137	Sk. Asmatara	Engg. Maths-II	8.8	Engg. Maths-II	7.8	Engg. Maths-IV	7.8
138	G.Bhargavi	Engg. Maths-II	8.8	Engg. Maths-II	NA	Engg. Maths-IV	9
139	K.Nagamani	Engg. Maths-IV	8.1	Engg. Maths-IV	8	Engg. Maths-IV	8
140	S. Venkata Vasavi	Operations research	9.3	Engg. Maths-IV	8.4	Engg. Maths-IV	8.9
141	Sk. Khamarjahan	Engg. Maths-II	7.9	Engg. Maths-IV	8.4	Engg. Maths-IV	7.3
142	P.Naga Lakshmi	Engg. Maths-II	8.8	Engg. Maths-II	8.7	Engg. Maths-II	8.5
143	Ch.Sudha Lakshmi	Engg. Maths-II	NA	Engg. Maths-IV	8.5	Engg. Maths-IV	8.7
144	K N Prasad	Language Processors	9.8	Software Engineering	9.85		

145	N Kiran Kumar	Design & Analysis of Algorithms	9.7	Cryptography & Network Security	9.75		
146	Farhad Sultana	Probability and Statics	9.58	Artificial Intelligence	9.63		
147	K Bharathi	Object Oriented Modeling and Design Using UML	9.62	Web Technologies(M.Sc)	9.7		
148	B Sateesh	Principles of Programming Languages	9.73	Computer Networks	9.65		
149	P V Koteswara Rao	Embedded Systems	9.65	Web Technologies(MCA)	9.55		
150	B V Koteswara Rao	Data Structures Using C++	9.45	Operating Systems	9.6		
151	B Prem Kumar	Operating Systems	9.55	Data Base Management Systems	9.4		
152	K Mohan Babu	Data Base Management Systems	9.75	Data Warehousing & Data Mining	9.65		

BEST PRACTICES

The practices which have contributed for better academic and administrative functioning of the college. The institution promotes many best practices to improve the quality of education and teaching-learning process. It leaves no stone unturned to make the future of the students bright and excellent.

I. **Best Practice-1**:

Enhancing student skill set

Objectives of the practice

In addition to the academic activities, the institute is making enormous efforts for all-round development of the students. The objectives are to develop & enhance the following skills in the students:

- Technical skills.
- Interpersonal skills
- Organizational skills.
- Conducting technical and cultural fest in the college at national level.

The context

The college has been working with the aim of making it a centre of excellence. Students from different levels & backgrounds need training to improve their technical as well as organizational skills. Considering these requirements, college is providing excellent facilities for the students to improve their skills and to achieve their career goals.

The Practice

- Eminent speakers from industry and prestigious academic institutes are being invited for delivering guest lectures on latest technologies.
- All departments are conducting technical events through their clubs / associations on current trends & technologies to improve the technical knowledge of the students.
- Students use the Internet facility beyond the working hours to learn about the latest technologies.
- E-Journals/Magazines are provided in the library to know about the new technologies and research trends.
- The college encourages the students to attend workshops / student meets / paper presentations to improve their technical and presentation skills.
- The college provides financial assistance to students to implement new ideas or thoughts as projects and encourages creative skills of the students.
- Training programs and workshops are being organized to promote experimental learning in the campus.
- Industrial visits are being arranged for practical exposure to students.
- Students are being encouraged to attend summer projects / internships in the industries/prestigious academic institutions to acquire practical knowledge.

- Each department organizes National Level Technical student meet regularly which helps the students to improve their interpersonal skills and time management for meeting the deadlines.
- The students play major role in the events annual day & fresher's day being organized by the college and inculcate the qualities co-operation, co-ordination and team work.
- Personality development programs and seminars are being conducted from the first year to improve communication skills & soft skills of the students.
- The institute is encouraging the students to become members of professional bodies like IETE, ISTE, IEEE etc., and various events are being organized under these professional bodies to improve their skills.
- The college is organizing various co-curricular and extra-curricular activities through student initiated clubs for enabling all round development of the students.

Evidence of Success:
- The change in the behaviour & communication of the students from first year to final year is an ample testimony for the success of the programs being organized.
- The prizes / awards won by the students in technical and other events emphasize the impact of the programs.
- The performance of the students in placements is an indication of the success of the programs being organized.

Problems Encountered & Resources Required:

Problems Encountered:
- No problems are encountered regarding finance because the college management is sanctioning sufficient budget for conducting various programs and for providing necessary resources.
- A few problems are encountered in the implementation:
- Adjusting academic schedule to accommodate the programs
- Providing slots in the time-table to make some of the events as regular activities

Resources Required:
- Extra working hours/days to schedule the programs
- Provision of the Internet, library, labs, seminar halls and sports kits to students of various sections / years The college overcame these problems by the co-operation of staff and students by providing suitable slots and staying beyond the working hours, if required.

II. **Best Practice-2**:

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 Context:

Inculcating discipline, punctuality and motivation among the students is the main objective in career building of a student. In this direction, the college has a well-established system to monitor the students' activity. The organizational structures, policies, and practices support monitoring the student's progress and commitment to learning during each semester.

The Practice:

- 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.
- The teacher takes students attendance in every class during the first five minutes and after the class 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.
- The class in-charges prepare the monthly attendance of the students for each section and send 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-in charge 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.
- Periodic meetings are conducted by the Principal with HODs to review The punctuality and regularity of the students.
- Weight age is given to attendance in internal marks to improve the students regularity. 5 marks are allotted for attendance in each theory subject in a graded manner.
- The class interaction committee meetings are being conducted twice in a semester for every class to know and to solve their problems.
- Every student participates in the events conducted in the college or other colleges with the prior permission of the concerned HOD.
- Disciplinary Committee of the college promptly curbs the indiscipline in the campus.
- Anti-Ragging Committee monitors the freshers by frequently visiting the sensitive areas within the campus and outside the campus.
- Additional duty is assigned to the faculty members to monitor the freshers from being affected by any sort of ragging in and around the campus.

Evidence of Success:

- The improvement in attendance of the students speak volumes regarding steps taken for monitoring the students.
- The decrease in detention rate justifies the mechanisms adopted for monitoring the students.
- The enhancement in performance of the students due to regular monitoring and discipline in the college is an evidence of success of the practice.

Problems Encountered and Resources Required:

Problems Encountered:

- No problems are encountered in forming various committees and conducting meetings due to proper distribution of load among the staff.
- A few problems are encountered in the implementation:
- Enquiring the student in the class, regarding his absence, wastes time for all the students in the class.
- Poor response of the parents for enquiries from the college Resources Required:
- More number of classes to complete the subject than actual required number of classes
- Extra efforts of staff and the HOD to counsel the students and to explain the parents about their role and cooperation in monitoring their wards.

    These problems are solved with the total involvement of the Principal, the HOD & the staff and they are successful in making the parents aware of their role in building the career of their wards.