

Evaluative Report of the Department of Electronics and communication Engineering

(2016-17)

1. Name of the department : ECE
2. Year of Establishment : 1998
3. Names of Programmes / Courses offered : B.Tech, M.Tech(DECE)
4. Names of Interdisciplinary courses and the departments/units involved : CSE: 1.COMPUTER NETWORKS
2. COMPUTER ARCHITECTURE &ORGANIZATION
EEE: 1.ELECTRICAL TECHNOLOGY
2. NETWORK ANALYSIS
3. CONTROL SYSTEMS
4.ET & NT LAB
MBA: 1.MANAGERIAL ECONOMICS ANDFINANCIAL ANALYSIS
2. MANAGEMENT SCIENCE
3. INTELLECTUAL PROPERTY RIGHTS AND PATENTS
5. Annual/ semester/choice based credit system (programme wise) : SEMESTER
6. Participation of the department in the courses offered by other departments : EEE: 1.LINEAR &DIGITAL IC APPLICATIONS
2. BASIC ELECTRONIC DEVICES &CIRCUITS
3. MICRO PROCESSORS &MICROCONTROLLERS
4.MPMC LAB
CSE: 1. DATA COMMUNICATIONS.
MECH: 1.BASIC ELECTRICAL &ELECTRONICS ENGINEERING
2.BEEE LAB
CIVIL: 1.BASIC ELECTRICAL &ELECTRONICS ENGINEERING.
7. Courses in collaboration with other Universities, industries, foreign Institutions, etc. : -----
8. Details of courses/programmes Discontinued (if any) with reasons : -----

9. Number of Teaching posts :

	Sanctioned	Filled
Professors	02	01
Associate Professors	02	02
Asst. Professors	11	12

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,) :

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.K.Raja Rajeswari	Ph.D	Professor			
Prof. Ahmed Md.Iqbal	Ph.D	Professor		40	
Mr.A V N Chandra Sekhar	M.Tech(Ph.D)	Associate professor	Computers & Communication	7	
Mr.J.P. Rao	M.Tech	Associate professor	Electronic design	12	-
Mr.P.N.Venkatswara Rao	M.Tech(Ph.D)	Assistant Professor	VLSI system design	10	-
Mr.A.Suresh	M.Tech(Ph.D)	Assistant Professor	Digital communication	7	
Mr.K.Satya Prasad	M.Tech(Ph.D)	Assistant Professor	Computers & Communication	12	-
Mr.K.Venkata Ganesh	M.Tech(Ph.D)	Assistant Professor	VLSI & ES	7	-
Mr.D.Appanna Tatajee	M.Tech	Assistant Professor	VLSI system design	6	-
Ms.S.Sirisha	M.Tech	Assistant Professor	Signal processing	4	
Mr.B.Chiranjeevulu	M.Tech	Assistant Professor	Communications & signal processing	3	-
Mr.Ravi Matha	M.Tech	Assistant Professor	Radar & Microwave Engg.	3	-
Mr.L V Ramesh Kumar	M.Tech	Assistant Professor	VLSI	3	
Mrs.T.L. Spandana	M.Tech	Assistant Professor	VLSI & ES	2	-
Mr.K.Sudhakar Babu	M.Tech	Assistant Professor	DECE	6 Months	-
Mr.Appala Suresh	M.Tech	Assistant Professor	DECE	6 Months	-
Ms.V.Anusha	M.Tech	Assistant Professor	DECE	6 Months	-
Ms.G.Pavani	M.Tech	Assistant Professor	DECE	6 Months	-

Mr.D.Venkata Ramana	M.Tech	Assistant Professor	DECE	6 Months	-
---------------------	--------	---------------------	------	----------	---

11. List of senior visiting faculty : -----
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : -----
13. Student -Teacher Ratio (programme wise) : 1:5 (61/12=5 for B.Tech), 3 faculty for M.Tech
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :

	Sanctioned	Filled
Academic support staff (technical)	20	05
Administrative staff	02	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG :

Name	Qualification
Dr.K.Rajarajeswari	Ph.D
Prof. Ahmed Md.Iqbal	Ph.D
Mr.A V N Chandra Sekhar	M.Tech(Ph.D)
Mr.J.P. Rao	M.Tech
Mr.P.N.Venkatswara Rao	M.Tech(Ph.D)
Mr.K.Satya Prasad	M.Tech(Ph.D)
Mr.K.Venkata Ganesh	M.Tech(Ph.D)
Mr.D.Appanna Tatajee	M.Tech
Mr.B.Chiranjeevulu	M.Tech
Mr.Ravi Matha	M.Tech
Mrs.T.L. Spandana	M.Tech
Ms.V.Anusha	M.Tech
Ms.G.Pavani	M.Tech
Mr.D.Venkata Ramana	M.Tech
Mr.K.Sudhakar Babu	M.Tech
Mr.Appala Suresh	M.Tech

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : -----
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : -----
18. Research Centre /facility recognized

by the University : -----

19. Publications:

Publication per faculty; Number of papers published in peer reviewed journals (national /international) by faculty and students; Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.); Monographs; Chapter in Books; Books Edited; Books with ISBN/ISSN numbers with details of publishers; Citation Index; SNIP; SJR; Impact factor; h-index

: ANNEXURE-I

20. Areas of consultancy and income generated

: -----

21. Faculty as members in a) National committees

: -----

b) International Committees c) Editorial Boards

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programme

: 1. Performance Analysis of Wi-Max using Matlab
2. Sensor (Alcohol/Fire) Using Gsm/Gprs Based By Arduino
(100%)

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : 0%

23. Awards/ Recognitions received by faculty and students

a) Faculty : -----

b) Students : -----

24. List of eminent academicians and scientists/ visitors to the department: 1.P.RAJESH KUMAR (AU)

2. Dr.K.CHANDRA BHUSHANA RAO(JNTUV)

25. Seminars/ Conferences/Workshops organized & the source of funding
Conference
Awareness Programmes

: ANNEXURE - II

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage (%)**
			*M	*F	
II B.Tech	60	28	22	06	(II-I :14%,II-II: 36%)
III B.Tech	60	20	16	04	(III-I: 25%,III-II:10 %)
IV B.Tech	60	06	05	01	(IV-1:33%,IV-II:50%)
M.T ech	18	02	02	00	(I-I: 0%)

*M=Male F=Female ** relate to out going batch in the particular year.

27. Diversity of Students

Name of the Course	Percentage of students from the same state	Percentage of students from other States	Percentage of students from abroad
B.Tech (II YEAR)	100%	0%	NIL
B.Tech (IIIYEAR)	100%	0%	NIL
B.Tech (IV YEAR)	84%	16%	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.

: -----

29. Student progression

:

Student progression	Against percentage enrolled
UG to PG	-----
PG to M.Phil.	-----
PG to Ph.D.	-----
Ph.D. to Post-Doctoral	-----
Employed	HDFC LIFE – 2 MEMBERS
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurship/Self-employment	-----

30. Details of Infrastructural facilities

a) Library

: 58(ANNEXURE – III)

S.No	Description	Specifications (l×h×w)	Area
------	-------------	------------------------	------

1	1 shelf Almirah	1. 3×5½×1½ 2. 3×7×1½	---
---	-----------------	-------------------------	-----

b) Internet facilities for

Staff & Students : 2 SYSTEMS FOR STAF,
30 SYSTEMS ONLY FOR STAFF

c) Class rooms with ICT facility : 1

S.No	Facilities	Area
1	LCD Projector	40.5 ×28.5=1154 sq.ft
2	Screen	
3	Chairs-70	
4	Overhead projector	
5	Sound system	
6	Mic	
7	CPU, Mouse, Keyboard	

d) Laboratories : 13 (ANNEXURE – IV)

31. Number of students receiving financial

Assistance from college, university,

Government or other agencies

: 55 (ANNEXURE – V)

32. Details on student enrichment programmes

(Special lectures / workshops / seminar)

With external experts

: 1.APSCHE - BRITISH COUNCIL
2. MADE EASY

33. Teaching methods adopted to

Improve student learning

: PPT, NPTEL, Seminar, Expert talk,
Internet material, videos

34. Participation in Institutional

Social Responsibility (ISR) and

Extension activities

: NSS

SNo.	Particulars	Date
1	International day of yoga	21.06.2016
2.	Abroad education programme	25.07.2016
3	NSS orientation programme	23.09.2016
4	Swachh School programme	26.09.2016
5	Blood donation camp	05-10-2016
6	Cashless society – comfortable society	23.11.2016
7	Republic day parade at jntuk	26.01.2017
8	Plantation programme	10.02.2017

9	A one day workshop on cashless transactions	16.03.2017
10	Charity/donation to poor students	30.03.2017

35. SWOT analysis of the

department and Future plans

: SWOT Analysis

		Strengths	Weakness
		<ul style="list-style-type: none"> • Latest version of MATLAB tool. • Good working culture • Highly qualified staff • Good Infrastructure • e-learning is a part of main stream learning • Wi-Fi campus • Strong curriculum 	<ul style="list-style-type: none"> • Lack of Doctorates in the department. • Location • Low salaries • Lack of student involvement • Faculty/students research • Canteen facility • Budget short fall • Girls hostel • Transport system • Inefficient transfer process
		Opportunities	Threats
Future plans: <ul style="list-style-type: none"> • Planning • Procuring 	<ul style="list-style-type: none"> • College supports attending Seminars, Workshops in other reputed institutions. • Need of good practices and collaboration • Industry-Institute relationship • Accreditation of Institution • Alumni • New facilities • Organizing seminars of renowned professors. 	<ul style="list-style-type: none"> • Admissions. • Campus Placement recruitment. More population of Engineering colleges • Affordability of college to students and staff • Poor student enrolment • Curricular/co-curricular/study balance • Communication skills of students 	

MENTOR GRAPHICS TOOL

- To get more admissions. 100% placement for students
- Getting NBA
- Getting NAAC for Institute
- Smart class rooms
- Subscription of National & International journals

to

**Evaluative Report of the Department of : Electronics and Communication Engineering(ECE)
(2017-18)**

1. Name of the department : ECE
2. Year of Establishment : 1998
3. Names of Programmes / Courses offered : B.Tech(ECE)
4. Names of Interdisciplinary courses and the departments/units involved : CSE: 1.Computer Networks
2. Computer Architecture &Organization
EEE: 1.Electrical Technology
2. Network Analysis
3. Control Systems
4.ET & NT Lab
MBA: 1.Managerial Economics and Financial Analysis
2. Management Science
3. Intellectual Property Rights And Patents
4. Professional Ethics and Human Values
5. Annual/ semester/choice based credit system (programme wise) : Semester
6. Participation of the department in the courses offered by other departments :
EEE: 1.LINEAR &DIGITAL IC APPLICATIONS
2. BASIC ELECTRONIC DEVICES &CIRCUITS
3. MICRO PROCESSORS &MICRO CONTROLLERS
4.MPMC LAB
CSE: 1. DATA COMMUNICATIONS.
MECH: 1.BASIC ELECTRICAL &ELECTRONICS ENGINEERING
2.EEE LAB
CIVIL: 1.BASIC ELECTRICAL &ELECTRONICS ENGINEERING.
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : ----
8. Details of courses/programmes discontinued (if any) with reasons : ----
9. Number of Teaching posts :

	Sanctioned	Filled
Professors	02	02
Associate Professors	02	02
Asst. Professors	11	11

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Prof. Ahmed Md.Iqbal	Ph.D	Professor		40	
Mr.A V N Chandra Sekhar	M.Tech(Ph.D)	Associate professor	Computers & Communication	7	
Mr.J.P. Rao	M.Tech	Associate professor	Electronic design	12	-
Mr.P.N.Venkatswara Rao	M.Tech(Ph.D)	Assistant Professor	VLSI system design	10	-
Mr.A.Suresh	M.Tech(Ph.D)	Assistant Professor	Digital communication	7	
Mr.K.Satya Prasad	M.Tech(Ph.D)	Assistant Professor	Computers & Communication	12	-
Mr.K.Venkata Ganesh	M.Tech(Ph.D)	Assistant Professor	VLSI & ES	7	-
Mr.D.Appanna Tatajee	M.Tech	Assistant Professor	VLSI system design	6	-
Mr.B.Chiranjeevulu	M.Tech	Assistant Professor	Communications & signal processing	3	-
Mr.Ravi Matha	M.Tech	Assistant Professor	Radar & Microwave Engg.	3	-
Mrs.T.L. Spandana	M.Tech	Assistant Professor	VLSI & ES	2	-
Mr.K.Sudhakar Babu	M.Tech	Assistant Professor	DECE	6 Months	-
Mr.Appala Suresh	M.Tech	Assistant Professor	DECE	6 Months	-
Ms.M Devi Sowjanya	M.Tech	Assistant Professor	VLSI & ES	6 Months	-
Mrs.R.Roopa Sree	M.Tech	Assistant Professor	VLSI & ES	6 Months	-

11. List of senior visiting faculty : -----

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : -----

13. Student -Teacher Ratio (programme wise) :

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :

	Sanctioned	Filled
Academic support staff (technical)	05	03
Administrative staff	02	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG :

Name	Qualification
Prof. Ahmed Md.Iqbal	Ph.D
Mr.A V N Chandra Sekhar	M.Tech(Ph.D)
Mr.J.P. Rao	M.Tech
Mr.P.N.Venkatswara Rao	M.Tech(Ph.D)
Mr.A.Suresh	M.Tech(Ph.D)
Mr.K.Satya Prasad	M.Tech(Ph.D)
Mr.K.Venkata Ganesh	M.Tech(Ph.D)
Mr.D.Appanna Tatajee	M.Tech
Mr.B.Chiranjeevulu	M.Tech
Mr.Ravi Matha	M.Tech
Mrs.T.L. Spandana	M.Tech
Mr.K.Sudhakar Babu	M.Tech
Mr.Appala Suresh	M.Tech
Ms.M Devi Sowjanya	M.Tech
Mrs.R.Roopa Sree	M.Tech

16. Number of faculty with ongoing projects from
a) National b) International funding agencies
and grants received : -----

17. Departmental projects funded by
DST-FIST; UGC, DBT, ICSSR, etc.
and total grants received : -----

18. Research Centre /facility recognized
by the University : -----

19. Publications:
Publication per faculty; Number of papers published
in peer reviewed journals (national /international) by
faculty and students; Number of publications listed
in International Database (For Eg: Web of Science, Scopus,
Humanities International Complete, Dare Database -
International Social Sciences Directory, EBSCO host, etc.);
Monographs; Chapter in Books; Books Edited; Books
with ISBN/ISSN numbers with details of publishers;
Citation Index; SNIP; SJR; Impact factor; h-index : ANNEXURE-I

20. Areas of consultancy and income generated :

21. Faculty as members in a) National committees :
b) International Committees c) Editorial Boards

22. Student projects
a) Percentage of students who have done
in-house projects including inter departmental/

programme

: ANNEXURE-II

b) Percentage of students placed for projects in organizations outside the institution

i.e.in Research laboratories/Industry/other agencies : 0%

23. Student Internship:

S.No	Name of the Organization / Industry	No.of Students

24. Awards/ Recognitions received by faculty and students

- a) Faculty :
- b) Students :

25. List of eminent academicians and scientists/ visitors to the department. :

26.Seminars/ Conferences/Workshops :

organized & the source of funding
Conference Awareness Programmes

ANNEXURE-III

27. Result analysis of existing batches for 2017-18 academic year.

S.No	Year	Students Registered	Passed	%	% of 2016-17
1	I.B.Tech	19	08	42%	
2	II.B.Tech	13	(SEM-I:0,SEM-II:1) 01	8%	
3	III.B.Tech	27	(SEM-I:7,SEM-II:4)	21%	27%
4	IV.B.Tech	19	(SEM-I:5,SEM-II:10)	8%	18%

Average of four years report:

28. Diversity of Students:

Name of the Course	Percentage of students from the same state	Percentage of students from other States	Percentage of students from abroad
B.Tech (II YEAR)	100%	0%	NIL
B.Tech (IIIYEAR)	100%	0%	NIL
B.Tech (IV YEAR)	100%	0%	NIL

29. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.

:-----

30. Student progression :

Student progression	Against percentage enrolled
UG to PG	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	03
Entrepreneurship/Self-employment	---

31. Placement Statistics:

S.No	Name of the Company	No.of Students selected	Average salary package
1	Better Castings	03	1.2 Lakhs /annum
2	Aarthi Industries	05	1.6 Lakhs /annum

32. Details of Infrastructural facilities

- a) Library : 58(ANNEXURE – IV)
- b) Internet facilities for Staff & Students : 2 SYSTEMS FOR STAFF,
30 SYSTEMS ONLY FOR STUDENTS
- c) Class rooms with ICT facility :

S.No	Facilities	Area
1	LCD Projector	40.5 ×28.5=1154 sq.ft
2	Screen	
3	Chairs-70	
4	Overhead projector	
5	Sound system	
6	Mic	
7	CPU, Mouse, Keyboard	

- d) Laboratories : 13 (ANNEXURE – V)

33. Number of students receiving financial assistance from college, university, government or other agencies

: (ANNEXURE – VI)

34. Details on student enrichment programmes (special lectures / workshops / seminar/ Internships/Hackathon drives/Industrial visits) with external experts

: APSCHE - BRITISH COUNCIL

35. Teaching methods adopted to improve student learning

: PPT, NPTEL, Seminar, Expert talk, Internet material, videos

36. Bridge courses conducted

37. Remedial classes conducted

:

38. Participation in Institutional Social Responsibility (ISR) and Extension activities

: NSS

39. SWOC analysis of the department and Future plans:

Strengths	Weaknesses
<ul style="list-style-type: none"> • Latest version of MATLAB tool. • Good working culture • Highly qualified staff • Good Infrastructure • e-learning is a part of main stream learning • Wi-Fi campus • Strong curriculum 	<ul style="list-style-type: none"> • Lack of Doctorates in the department. • Location • Low salaries • Lack of student involvement • Faculty/students research • Canteen facility • Budget short fall • Girls hostel • Transport system • Inefficient transfer process
Opportunities	Challaenges
<ul style="list-style-type: none"> • College supports attending Seminars, Workshops in other reputed institutions. • Need of good practices and collaboration • Industry-Institute relationship • Accreditation of Institution • Alumni • New facilities • Organizing seminars of renowned professors 	<ul style="list-style-type: none"> • Admissions. • Campus Placement recruitment. More population of Engineering colleges • Affordability of college to students and staff • Poor student enrolment • Curricular/co-curricular/study balance • Communication skills of students

40. Future Plans:

- To get more admissions. 100% placement for students
- Getting NBA
- Getting NAAC for Institute
- Smart class rooms
- Subscription of National & Inter national journals