





(E) ELECTRONICS & COMMUNICATION DEPARTMENT

- Name of the Dept. : ELECTRONICS & COMMUNICATION ENGINEERING
- Approved intake :

Name of Courses	Intake
BE (ELECTRONICS & COMMUNICATION) (FULL TIME)	60
BE (ELECTRONICS & COMMUNICATION)(PART TIME)	15
ME (COMMUNICATION SYSTEMS ENGINEERING)	25

- List of faculty members appointed with their qualification, designation, date of joining, Professional experience in years, Photograph

Sr.No.	Name	Date of Birth	Qualification	Professional Experience Yr.		Scanned Passport size photo
				a)Teaching	b)Industry	
				a	b	
1	Prof.J.V.Dave	17/4/52	M.E.(Electronics)	33	-	
2	Prof. K.R.Parmar	21/1/70	M.E. (Microprocessor)	15	-	
3	Shri C.R.Parekh	14/3/75	M.Tech(Communication)	11	-	
4	Shri J.P.Raval	22/12/79	B.E.(E.C)	6	2	

5	Shri M.S.Shah	10/12/79	B.E.(E.C)	6	-	
6	Shri S.D.Joshi	19/12/74	M.E.(ECS)	11	6	
7.	Smt. P.V.Pithadia	30/1/78	B.E.(EC)	6.5	-	
8.	Kum. U.V.Unagar	31/7/82	B.E.(EC)	3	-	

Teachers to student Ratio. - 1: 36

No. of faculty Members- 8

Cadre	Number
Professor	: 1
Asst. Professor	: 1
Lecturer	: 6

Faculty Profile:

Qualification	No. of faculty
Ph.D	0
P.G.	3
Graduates	5

Experience of Faculty:

Number of faculty with

1. Less than 5 years : 1
2. 5 to 10 years : 3
3. More than 10 years: 4

- **List of Faculty members deputed for higher studies in the last two years with proofs**

Sr. No.	Name of the faculty	Deputed institute	Branch of specialization	DEGREE Masters/Doctorate
	Nil			

- **List of Publications of Faculty members last two years**

Sr. No.	Name of the faculty	Branch	Name of conference/journal/seminar	Title Published
1	Prof. K R Parmar	EC	International conference on next generation networks	DSP implementation of UMTS security algorithms
2	Prof. K R Parmar	EC	International conference on next generation networks	VLSI implementation of UMTS security algorithms
3	Prof. K R Parmar	EC	National seminar on trends in wireless technologies	Power-line carrier communication
4	Prof.C.R.Parekh	EC	National Conference	E verification component
5	Prof.C.R.Parekh	EC	National Conference	Effective system level verification using Specman
6	Prof.C.R.Parekh	EC	National Conference-NCSEC-08	Performance Analysis of OFDM system with various modulation techniques
7	Prof.C.R.Parekh	EC	NCTC-08 National Conference	Performance analysis of COFDM system in AWGN and Rayleigh channel model
8	Prof.C.R.Parekh	EC	ETEET-08-National conference	Performance analysis of COFDM system with LS and MMSE channel estimator
9	Prof.C.R.Parekh	EC	International conference –RSPS-2008	Performance analysis of Ultra Wideband system with various modulation schemes
10	Prof.C.R.Parekh	EC	NCVCOM-08-National conference	Performance analysis of UWB modulation schemes and link budgets
11	Prof.C.R.Parekh	EC	NCCT-08 –National conference	Performance analysis of UWB signal

- **List of publication of BOOKS by faculty members**

Sr. No.	Name of the faculty	Branch	Title of the Book	Publication
-----NIL-----				

▪ **List of Faculty members who attended winter/summer schools in last two years**

Sr. No.	Name of the faculty	Branch	Summer/winter school (TITLE)	Duration and venue
1	Shri C R Parekh	EC	Hardware Description Languages	14-18 May, 2007. VLSI faculty development centre, VNIT, Nagpur.
2	Shri M S Shah	EC	Hardware Description Languages	14-18 May, 2007. VLSI faculty development centre, VNIT, Nagpur.
3	Shri M S Shah	EC	Embedded systems and technology	25-30, June, 2007, IIT Kharagpur.
4	Shri J P Raval	EC	DSP tool and practice	4-9, June, 2007. IIT Kharagpur.
5	C R Parekh	EC	STTP on 'Fiber optics' at IIT Extension centre, VGEC, Chandkheda	IIT Extension centre, Chandkheda, April -2008, one week
6	K.R.Parmar	EC	e-governance	Poovar Island, Kerala, August-2007, one week

Dead Stock register of Equipments and computers

Sr. No.	Name of equipment	Cost (Rs)
1	20 Mhz Digital Storage Oscilloscope Type 1425M with IEEE interface Model 1450 L&T Ltd. Qty. 12	34150
2	Logic Probe make: HP Model HP-545A	\$250
3	Logic Pulser HP-make Model HP-546A	\$317
4	Current Tracer HP make Model-HP-547A	\$617
5	Electron Venetron Make communication Trainer	260642
6	CC Engg Make Transmission line demonstrator	66000
7	Coil Winding Machine Model BE-23 Supply by Prime Chemfert	401792
8	CC Engg Make Microwave & Antenna System Trainer	320000
9	Optical Power meter make: Surya tools	160424
10	Optical Attenuator make: Surya tools	228240
11	E/O convertor make: Surya tools	528618
12	O/E Convertor make: Surya tools	595881
13	Power Electronics Trainer make: Siemens	212150
14	Device Programmer Quasar1040 make: S.S.	89135
15	Video Projection System (LCD type) make: Samrat Vision Pvt. Ltd.	243233
16	Digital Storage Oscilloscope make: Lecroy Qty. 2	160285
17	Electronic Trainer make: Feedback	74322
18	Instrumentation Trainer make: Feedback	152231
19	Slide Projector with remote controller Make: Reflecta Proflin 6000AV	64900
20	HE-NE Laser Make EDMUNDS Model : 61379	37289

21	Laser Diode driver, Make: TLK lightwave, Model: Light Shar-(1) 2000	48970
22	Acoustic Optic Modulator Make: BRIMORSE, Model : TEM-50-3	106452
23	Spectrum Analyzer Make : HEMAG Germany	193960
24	Synthesized RF Generator Make : HEMAG Germany	205816
25	Logic Analyzer Make : L&T-Gould	350000
26	Development Platform for Intel IXA Model : IXP1200 Board	500000
27	Multimedia LCD Projector with 1000 ANSI Lumens, Make : Epson 1200	265000
28	Fiber optic Trainer	42315
29	LAN Trainer	116250
30	Computer system	97748
31	Laptop Computer	109900
32	Laser Printer	9877
33	GSM Trainer	273000
34	GPS Trainer Kit	107016
35	CDMA Trainer kit	174720
36	B-link 3 ISDN Training system	470000
37	VLSI & Embedded system development kit	87360
38	Ethernet 802.11 Implementation Kit	93144
39	Laser fiber optic Trainer	17550
40	Advanced Fiber optic trainer with power meter	41600
41	Multimedia Projector	836100
42	Complete EPABX System	875350
43	LCD Projector	320000
44	Antenna Trainer system	159640
45	Microwave laboratory development platform	392051
46	WDM Trainer	207750
47	Vector Signal Generator	2177060
48	Mobile phone trainer	84000
49	ARM development kit	374880
50	Mobile Telecom Trainer	500000

(Only major equipments have been mentioned)

- **Industrial consultancy, Research and development (during last two years): NIL**

- **Budget Allocation for programme (in Rs.):**

Separate accounts are not maintained for the department.

New initiatives and future vision, if any:

NEW INITIATIVES:

1. Development of learning material and open courseware for various courses
2. Extensive use of learning resources procured under TEQIP project.

FUTURE VISION: To raise the level of the department equivalent to that of IIT.

CONSULTANCY WORK DONE IN PAST THREE YEARS

Sr. No.	Name of the company	AMOUNT	Name of faculty involved	Type of work
-----NIL-----				