Don Bosco College of Engineering, Fatorda

Programme Information – Electronics & Telecommunication Engineering

Academic Year 2016 - 2017

1.0.	Name of the Programme

Electronics and Telecommunication Engineering

2.0.	Name and Details of the Head of the Department (email, contact number)

Name: Michelle Araujo

Email: Michelle.araujo@dbcegoa.ac.in

Contact No: 0832 2741045

3.0.	Year of starting the Programme

2011

4.0.	Programme Details

a) **Nature of the Programme: Part Time/Full Time** :

Full Time

b) **Duration of the Programme**:

04 Years

c) **Sanctioned Intake**:

(FE 63+ SE 12-Diploma)

d) **Year wise students on Roll**

Year	FE	SE	TE	BE
2016-17	63	71	76	69

5.0.   Course Structure – Semester wise details

5.1.   Semester wise Details

Sr. No	Course Title	Nature of the Course Compulsory/ Elective	Weekly Load		
			Lecture	Practical	Tutorial
FIRST YEAR ENGINEERING – Semester 1 and 2					
1.	Engineering Mathematics - I	Compulsory	4	-	-
2.	Applied Science (Physics / Chemistry)	Compulsory	3	2	-
3.	Engineering Mechanics	Compulsory	3	2	-
4.	Fundamentals of Electrical Engineering	Compulsory	3	2	-
5.	Fundamentals of Computer Engineering	Compulsory	3	2	-
6.	Technical English	Compulsory	3	-	-
7.	Workshop Practice – I	Compulsory	-	4	-
8.	Engineering Mathematics - II	Compulsory	4	-	-
9.	Applied Science (Physics / Chemistry)	Compulsory	3	2	-
10.	Programming Languages	Compulsory	3	2	-
11.	Fundamentals of Electronics and Telecommunication Engineering	Compulsory	3	2	-
12.	Environmental Sciences and Social Sciences	Compulsory	3	-	-
13.	Engineering Graphics	Compulsory	2	4	-
14.	Workshop Practice - II	Compulsory	-	4	-
SECOND YEAR ENGINEERING – Semester 3 and 4					
15.	Applied Mathematics-III	Compulsory	4	-	-
16.	Economics and Management	Compulsory	4	-	-
17.	Algorithms for Data Structures	Compulsory	3	2	1
18.	Electronic Devices and Circuits –I	Compulsory	3	2	1
19.	Digital System Design	Compulsory	3	2	1
20.	Electrical Circuits and Systems	Compulsory	3	2	1
21.	Probability Theory and Random Processes	Compulsory	4	-	-
22.	Signals and Systems	Compulsory	3	-	1
23.	Electromagnetic Fields and Waves	Compulsory	4	2	
24.	Electronic Devices and Circuits –II	Compulsory	3	2	1
25.	Linear Integrated Circuits	Compulsory	3	2	1
26.	Microprocessors and Interfacing	Compulsory	3	2	1
THIRD YEAR ENGINEERING – Semester 5 and 6					
27.	Probability Theory and Random Processes	Compulsory	4	-	-
28.	Control System Engineering	Compulsory	4	2	-
29.	Communication Engineering-I	Compulsory	4	2	-
30.	Microprocessors	Compulsory	4	2	-
31.	Digital Signal Processing	Compulsory	4	2	-
32	Transmission Lines & Waveguides	Compulsory	4	-	-
33.	Communication Engineering-II	Compulsory	4	-	-
34.	Peripheral Devices & Interfacing	Compulsory	4	2	-
35.	Power Electronics	Compulsory	4	2	-
36.	Antenna & Wave Propagation	Compulsory	4	-	-

37.	Electronic Instrumentation	Compulsory	4	2	-
38.	VLSI Technology & Design	Compulsory	4	2	-
39.	Data Communication	Compulsory	4	2	-
FINAL YEAR ENGINEERING – Semester 7 and 8					
40.	Microwave & Radar Engineering	Compulsory	4	2	-
41.	Optical Fiber Communication	Compulsory	4	2	-
42.	Operating Systems	Elective	4	2	-
43.	Process Control Instrumentation	Elective	4	2	-
44.	Mobile Communication System	Elective	4	-	-
45.	Secure Communications	Elective	4	-	-
46.	Project Seminar	Compulsory	-	4	-
47.	Satellite Television & Engineering	Compulsory	4	2	-
48.	Consumer Electronics	Elective	4	2	-
49.	Microwave Networks Analysis	Elective	4	2	-
50.	E-commerce	Elective	4	2	-
51	Bio Medical	Elective	4	2	-
52.	Wireless Communications	Compulsory	4	-	-
53.	Project	Compulsory	-	10	-

5.2.   Trainings offered (BSA – Beyond Syllabus Activities)

Topic	Year	Duration	No. of Students enrolled
Introduction to MATLAB Workshop	2016	01 day	70
BSS Research Paper Presentation	2016	01 day	72
Introduction to Arduino	2016	01 day	20
Workshop on Online C Test	2016	01 day	70
Workshop on CCNA Basic	2016	05 days	70
Workshop on Mental Ability and Quantitative	2016	15 days	70
Seminar on Wireless Communication : Roadmap to 5G	2016	01 day	70
Seminar on Electronics in Industry	2016	01 day	70
In-house Training on Lab View and Digital Image Processing	2017	05 days	34
Workshop on PSB Design	2017	01 day	57
Guest Lecture on Reliability and Testing	2017	01 day	70
BSS Research Paper Presentation	2017	01 day	70
Internship Programme on PLC and SCADA	2017	15 days	70
Workshop on Networking : A practical approach 2	2017	01 day	30
Introduction to MATLAB Workshop	2017	01 day	70
Arduino Workshop	2017	01 day	35
Cayenne IOT Workshop	2017	01 day	70
Introduction to VHDL	2017	01 day	70

5.3.   Results (BE only)

Semester	Number of students		No. of students securing ≥60%	Pass %
	Appeared	**Passed**		
8	74	69	37	93.04

6.0. Department Faculty Details

a) Participation in:

i) External Sponsored Projects –

Nil

ii) Consultancy-

Nil

iii) Continuing Education-

D. S Vidhya pursuing PhD under Assam University
Mohini Naik pursuing PhD under Goa University

iv) Collaboration (Institutional/ Industrial) –

Nil

v) Students' Projects

Academic Year 2016-2017

Sr. No	Project Title	Project Guide
1	a. Innovative Transport Management System for Cities b. Smart Car c. Weed Detection using Image Processing	Michelle Araujo e Viegas
2	a. Smart Metro Train b. Multi Access Smart Card	Trima Fernandes e Fizardo
3	a. Indoor Positioning System b. Automated Green House c. Smart Railways	Kimberly Morais
4	a. Fire Fighting robot b. Waste Sorter Machine	Samantha Cardoso
5	a. Power Line Communication b. Wireless Control Live Streaming Bot	Vidhya D S
6	a. Home Automation and Security b. Multilevel Parking System	Anisha Cotta
7	a. Solar Grass Cutter b. Voice Operated Fire Extinguisher	Melba D'Souza

vi) Students' Guidance (M. Tech/PhD)-

Nil

vii) Invited Lectures (National/International)-

Nil

viii) Professional Society Activities -

Institution of Electronics and Telecommunication Engineers (IETE)

- Workshop on "ARDUINO" by Mr. Myron Rodrigues , Alumni DBCE

ix) Conferences, Seminars, Winter/Summer Schools, FDP, Workshops organized

Duration	Title	Participants	Resource Persons
One Week	Workshop on CCNA Basics	TE(ETC) Students	Brian Fernandes
One Week	Workshop on Mental Ability and Quantitative Aptitude	TE(ETC) Students	Trima Fernandes Melba D'Souza Deron Rodrigues Flavia Leitao Mathilda Colaco
Two Days	Workshop on HTML 5	TE(ETC)Students	Chinnu George
One Day	Field Trip to CIBA and Infinity 3D	BE(ETC)Students	-
One Day	5th Installation of DBEATS	SE(ETC),TE(ETC),BE(ETC) students	-
One Day	Talk on Wireless Communication: Roadmap to 5G	BE(ETC)students, TE(ETC)students	Shailesh Kanlokar

x) Conferences, Seminars, Winter/Summer Schools, FDP, Workshops attended

Sr. No	Seminar/Workshop/Short Term Courses/Conferences/ Training Programmes	Date	Duration	Organization	Name of the Faculty Participated
1	Workshop on National Teachers Congress	23 to 25 September 2016	03 days	MIT-Pune	Michelle Araujo e Viegas Samantha Cardoso
2	TEQIP II-ISTE approved STTP on Industrial Automation and Virtual Instrumentation	07 to 11 November 2016	05 days	Don Bosco College Of Engineering, Fatorda	Michelle Araujo e Viegas Samantha Cardoso D.S Vidhya Anisha Cotta Melba D'souza Deron Rodrigues Flavia leitao Mathilda Colaco Vishnu Rathod Madhukar A
3	TEQIP II-ISTE approved STTP on IOT with Cloud	02 to 06 January 2017	05 days	Don Bosco College Of Engineering, Fatorda	Michelle Viegas Samantha Cardoso Kimberly Morais D.S Vidhya Anisha Cotta Melba D'souza Deron Rodrigues Vishnu Rathod Madhukar A
4	AICTE approved FDP on Use of ICT in Education for Online and Blended Learning	02 May to 10 July 2016	20 days	IIT Bombay, Remote Center K.L.E. Hubli	D.S Vidhya
5	Workshop Challenges in Software Engineering in Next Generation	15 September 2016	01 day	Don Bosco College Of Engineering, Fatorda	Madhukar A

xi)		**Research Publications**		

Sr. No	Author Name	Title of Paper	Details of Journal Name, Volume, Series, Year/ Conference Details	National/ International
1	Michelle Araujo e Viegas	Weed Detection using Image Processing	International Journal for Scientific Research & Development, volume 5, Issue 1, 2017, ISSN (online): 2321-0613	International
2	Michelle Araujo e Viegas	Weed Removal Using Arduino Robot	International Journal for Scientific Research & Development, volume 5, Issue 1, 2017, ISSN (online): 2321-0613	International
3	Michelle Araujo e Viegas	Intelligent Traffic Management and Parking Space Detection Using Raspberry Pi and Internet of Things	International Journal of Engineering Development and Research, ISSN:2321-9939, Vol.5, Issue 1, March 2017 pp. 610-615	International
4	Michelle Araujo e Viegas	Smart Parking Space Detection Using MATLAB and Internet of Things	International Journal of Science and Engineering Development Research, ISSN:2455-2631, Vol.2, Issue 3, March 2017 pp. 60-64	International
5	Michelle Araujo e Viegas	Smart Reverse Parking Using Raspberry Pi	International Journal of Science Research & Engineering, ISSN:2349-784X, Vol.3, Issue 07, March 2017 pp. 98-102	International
6	Michelle Araujo e Viegas	Intelligent Automatic Street Light Control System	International Journal for Scientific Research & Development, ISSN:2321-0613, Vol.4, Issue 11, March 2017 pp. 202-205	International
7	Trima Piedade Fernandes e Fizardo	Smart Metro Train	International Journal of Science and Research (IJSR), ISSN(online):2319-7064, Volume 6, Issue 2, February 2017, Impact Factor:6.391	International
8	Trima Piedade Fernandes e Fizardo	Multi – Access Smart Card	IJSRD - International Journal for Scientific Research & Development, ISSN (online): 2321-0613, Volume 5 Issue 1, 2017	International
9	Kimberly Morais	Energy Generation using Vehicular Movements and Vibrations	International Journal of Scientific Research and Development, Volume 5: Issue 1, March 2017. ISSN: 2321-0613.	International
10	Kimberly Morais	Railway Crack detection using LED	International Journal of Scientific Research and Development, Volume 5: Issue 1, April 2017. ISSN: 2321-0613.	International
11	Kimberly Morais	Automation of Railways	International Journal of Scientific Research and Development, Volume 5: Issue 1, April 2017. ISSN: 2321-0613	International
12	Kimberly Morais	Indoor Positioning System	International Journal of Science Technology & Engineering, Volume 3: Issue 9, March 2017. ISSN (online): 2349-784X.	International

13	Kimberly Morais	RFID Based Indoor Positioning System	International Journal for Scientific Research & Development, Volume 4: Issue 11, 2017. ISSN (online): 2321-0613	International
14	Samantha Cardoso	Smart Bin Using GSM Modem	International Journal of Scientific Research and Development, Volume 4: Issue 12, Feb 2017. (ISSN:2321 0613)	International
15	Samantha Cardoso	Moisture Sensing Unit for Waste Sorter Machine	International Journal of Scientific Research and Development, Volume 4: Issue 11, Jan 2017. (ISSN:2321 0613	International
16	Samantha Cardoso	Dark Detector System for Paper Waste Detection	International Journal of Scientific Research and Development, Volume 5: Issue 1, March 2017. (ISSN:2321 0613)	International
17	Samantha Cardoso	Wireless Communication using RF Module and Interfacing with 8051 Microcontroller	International Journal of Science Technology & Engineering, Volume 3: Issue 7, Jan 2017. (ISSN (online): 2349-784X)	International
18	D. S. Vidhya	Device Control using Power line Communication	International Journal of Scientific Research and Development, Volume 4: Issue 12, Feb 2017. (ISSN:23210613)	International
19	D. S. Vidhya	Survey on Wireless Control Live Streaming BOT	International Journal of Scientific Research and Development, Volume 4: Issue 11, Jan 2017. (ISSN:23210613)	International
20	D. S. Vidhya	Power line Communication based Current Theft and Device Control	International Research Journal of Engineering and Technology (IRJET), Volume 4: Issue 5, May 2017.	International
21	D. S. Vidhya	Wireless Communication of Spy BOT	International Journal for Scientific Research and Development (IJSRD), Volume 5: Issue 3, May 2017 (ISSN:2321 0613)	International
22	Anisha Cotta	Design and Fabrication of Automated Multi-Level Car Parking	International Journal for Scientific Research & Development, ISSN: 2321-0613, Volume 4, Issue 11, 2017	International
23	Anisha Cotta	Automated Multilevel car parking	International Journal for Scientific Research & Development, ISSN: 2321-0613, Volume 5, Issue 01, 2017	International
24	Anisha Cotta	Internet of Things	International Journal for Scientific Research & Development, ISSN: 2321-0613,Volume 5, Issue 01, 1st April 2017	International
25	Anisha Cotta	Android Based Home Security System	International Journal for Scientific Research & Development, ISSN: 2321-0613 Volume 5, Issue 01, 16th April 2017	International
26	Anisha Cotta	Image Processing	International Journal for Scientific Research & Development, ISSN: 2321-0613, Volume 5, Issue 01, 1st April 2017	International

27	Anisha Cotta	Android Enabled Home Automation System using Raspberry Pi	International Journal for Scientific Research & Development, ISSN: 2321-0613, Volume 5, Issue 01, 1st April 2017	International
28	Anisha Cotta	Home Automation using IOT	International Journal for Scientific Research & Development, ISSN: 2321-0613, Volume 5, Issue 01, 1st April 2017	International
29	Melba D'Souza	Voice Operated Fire Extinguisher Robot	International Journal for Scientific Research and Development, Volume 4, Issue 11, Jan 2017, ISSN[ONLINE]: 23210613	International
30	Melba D'Souza	Voice Recognition System	Board of Journal for Research, Volume 3, Issue 1, March 2017, ISSN: 2395-7549	International
31	Melba D'Souza	Modified Solar Grass Cutter	International Journal for Scientific Research and Development, Volume 5, Issue 1, March 2017, ISSN (online): 2321 0613	International
32	Melba D'Souza	Automized Solar Grass Cutter	International Journal of Science Technology and Engineering, Volume 3, Issue 7, January 2017, ISSN (online): 2349-784X	International
33	Yeshudas Muttu	Design of 12 – Sided Polygon Patch Micro strip Antenna for 2.4 GHz	International Journal for Innovative Research in Science & Technology (IJIRST) for Volume 3, Issue 12	International
34	Yeshudas Muttu	Design & Analysis of Micro strip Patch Antenna & Comparison between the Arrays	International Journal for Innovative Research in Science & Technology (IJIRST) for Volume 3, Issue 12	International
35	Yeshudas Muttu	Design of E – Shape Patch Antenna & its Array Using IE3D Software	International Journal for Innovative Research in Science & Technology (IJIRST) for Volume 3, Issue 12	International
36	Yeshudas Muttu	Design of Compact Micro strip Patch Antenna for Wireless Applications	International Journal for Innovative Research in Science & Technology (IJIRST) for Volume 3, Issue 12	International
37	Yeshudas Muttu	Design of 8 – shape slotted Micro strip Patch Antenna	International Journal for Research in Technological Studies (IJRST)	International
38	Mohini Naik	Design and Simulation of Array of Rectangular Slotted Micro strip Patch Antenna with improved Bandwidth for WLAN	IEEE XPLORE	International
39	Mohini Naik	Design & Analysis of Micro strip Patch Antenna & Comparison between the Arrays	International Journal for Innovative Research in Science & Technology (IJIRST) for Volume 3, Issue 12	International
40	Flavia Leitao	Intellectual Property (IP) Protection using Watermarking and Fingerprinting	IEEE XPLORE	International

		Techniques		

xii)   Text Books/Monographs published-

Nil

xiii)   Patents/Awards received-

- Michelle Araujo e Viegas received the prestigious Devang Mehta National Education Award for the Best Professor in Electronics & Telecommunication Engineering on 16 August 2017 in Goa
- Deron Rodrigues appeared in the top 5% having a consolidated score of 75% marks in the NPTEL Online Certification exam held on 25 March 2017

xiv)   Any special recognition received by the Department-

Nil

xv)   Any financial assistance for projects received by the Department

Project Title	Project Duration	Amount received	Funding Agency	Status Complete/Progress	No. of Faculty involved
Waste Sorter Machine	One Year	Rs. 15,000/-	V. M Salgaocar & Bro Pvt. Ltd.	Complete	1

xvi)   Details of department faculty participating in interdepartmental activities

Name of the faculty	Dept. in which participating	Courses	Nature of Participation	
			Research Work	Consultancy/ Testing
Michelle Araujo e Viegas	Science & Humanities	Basic Electrical Engineering	-	-
	Mechanical Engineering	Digital Electronics and Microprocessor Application	-	-
Trima Fernandes e Fizardo	Science & Humanities	Basic Electrical Engineering	-	-
	Mechanical Engineering	Digital Electronics and Microprocessor Application	-	-
Samantha Cardoso	Science & Humanities	Basic Electrical Engineering	-	-
	Science & Humanities	Fundamental of Electronics and Telecommunication Engineering	-	-
	Computers Engineering	Electronic Measurements		
Kimberly Moraes	Mechanical Engineering	Electrical Technology	-	-
	Science & Humanities	Basic Electrical Engineering	-	-
D. S. Vidhya	Computer Engineering	Digital Signal Processing	-	-
	Mechanical Engineering	Digital Electronics and Microprocessor Application	-	-
	Science & Humanities	Fundamental of Electronics and Telecommunication Engineering	-	-
Anisha Cotta	Mechanical Engineering	Digital Electronics and Microprocessor Application	-	-
	Science & Humanities	Basic Electrical Engineering	-	-

Deron Rodrigues	Mechanical Engineering	Digital Electronics and Microprocessor Application	-	-
	Mechanical Engineering	Digital Electronics and Microprocessor Application	-	-
Melba D'Souza	Science & Humanities	Basic Electrical Engineering	-	-
	Science & Humanities	Fundamental of Electronics and Telecommunication Engineering	-	-
Mathilda Colaco	Science & Humanities	Basic Electrical Engineering	-	-
	Science & Humanities	Fundamentals of Electrical Engineering	-	-
Flavia Leitao	Science & Humanities	Basic Electrical Engineering	-	-
	Science & Humanities	Fundamentals of Electrical Engineering	-	-
Selvyn Fernandes	Science & Humanities	Basic Electrical Engineering	-	-
Vishnu Rathod	Science & Humanities	Basic Electrical Engineering	-	DRDO Project
Mohini Naik	Mechanical Engineering	Electrical Technology	-	-

xvii)   Faculty members deputed for higher studies/specialized training

Schemes	No. of faculty deputed for the last 3 years		
	2015	**2016**	**2017**
QIP/Study leave	Nil	Nil	Nil
Seminars/Workshops/Conferences	Nil	Nil	Nil
Summer/Winter Schools	Nil	Nil	Nil
Any other	Nil	Nil	Nil

7.0. Departmental Laboratory Details

a) Laboratories

Sr. No.	Name of the Lab	Available Floor Space (sq. m)	Maximum Batch Size	No. of Experiments Prescribed	No. of Experiments Conducted	Recurring Expenditure per year
1	Electronics Engineering	57.6	21	21	8	16-17: Rs. 0 17-18: Rs. 45,293.00
2	Power Electronics & Control System	57.6	21	8	19	16-17: Rs. 0 17-18: Rs. 36,450.00
3	Devices & Circuits	57.6	21	8	13	16-17: Rs. 2,56,922.00 17-18: Rs. 3,07,812.00
4	Digital Systems & Electronic Instrumentation Lab	57.6	21	8	21	16-17: Rs. 0 17-18: Rs. 0
5	Communication Engineering Lab	57.6	21	8	20	16-17: Rs. 0 17-18: Rs. 0
6	Microprocessor Lab	57.6	21	8	22	16-17: Rs.0 17-18: Rs.0
7.	Basic Electrical Lab	58.32	21	8	12	16-17: Rs.0 17-18: Rs. 1,11,767.00
8.	Electrical Technology Lab	58.32	21	8	08	16-17: Rs. 0 17-18: Rs. 47,531.00
9.	Signal Processing Lab	62.8	30	8	21	16-17: Rs. 0 17-18: Rs. 0
10.	Advanced Communication Lab	46.01	25	8	17	16-17: Rs. 1,16,630.00 17-18: Rs. 0

b) Major Equipment in the Laboratories (Costing ≥ Rs. 50000/-)

Sr. No	Equipment Name	Make	Purchase Date	Cost (Rs)	Installation	Present Condition Working	Present Condition Not working
1.	Spectrum Analyser	Rigol	11.02.2014	1,48,191.00	Communication Engineering Lab	------	Sent For Repair

8.0. Financial Statement

Year	Total Budget (Rs) Allocated	Total Budget (Rs) Spent	Budget for Major Equipment (Rs) Allocated	Budget for Major Equipment (Rs) Spent	Budget for Minor Equipment (Rs) Allocated	Budget for Minor Equipment (Rs) Spent	Budget for Operation & Maintenance (Rs) Allocated	Budget for Operation & Maintenance (Rs) Spent
2017-18	32,55,000.00	4,90,000.00	2,84,9000.00	3,49,000.00	1,46,000.00	1,41,000.00	2,60,000.00	

9.0.   Departmental Library

Books	Journals		CD, DVD, Multimedia	Any other
	National	**International**		
279	Nil	Nil	27	None

10.0.   Students

a)   Number of students appeared/qualified in GATE/CAT/GRE/Central/State services through competitive examinations.

Year	Nature of Exam	Number of Students	
		Appeared	**Qualified**
2016-17	GATE	51	1

11.0.   Placement Record of the last three years

Year	No. of Companies	No. of Students selected	Average Salary (lac)	Highest Salary offered (lac)
2017	13	36	2.32	6.50
2016	16	34	1.78	3.25
2015	14	26	1.88	3.25

12.0.   Trainings

a)   Is Industry Training compulsory for students in the department? If yes, mention duration.

Yes. Compulsory internship training is mandated for students in the Third and Final Year Students. The duration of the internship is for 4 weeks per student.

b)   Number of students for whom training was arranged by Training & Placement Cell

Year	No. of trainings arranged	No. of Students who attended the training
2016-2017	13	70

c)   Are there any training reports submitted by the students? If yes,

Yes

Nature of Evaluation	Evaluation by			Not evaluated
	Industry	**Institution**	**Industry + Institution**	
Feedback Forms	√			

d)   Are there student projects sponsored by the Industry? If yes, give details.

No

13.0.   Industry Institute Interaction

a)   Are there any external resource persons being invited for lectures and seminars?

Year	Name of the Resource Person	Background (Industry/R&D/Academic)	Topics covered
2017-2018	Sandeep Mone	Proprietor, Autotech, Mapusa	PLC & SCADA
2017-2018	Shramik Salgaonkar	Alumni	CAYENNE IOT
2017-2018	Zain Rajani	Alumni	VHDL

14.0.   Co-curricular Activities of the students

a)   Inter-departmental Competitions

Nature of the Activity	No. of students enrolled	Recognitions/Awards received
Nil		

b)   Inter-institutional Competitions

Nature of the Activity	No. of students enrolled	Recognitions/Awards received
Technovation 2016, State level Technical Extravaganza: Technical Projects Exhibition	3	Consolation Prize
Technovation 2016, State level Technical Extravaganza	1	Techno Princess Award

15.0.   Extra-curricular Activities of the students

a)   Inter-departmental Competitions

Nature of the Activity	No. of students enrolled	Recognitions/Awards received
Nil		

b)   Inter-institutional Competitions

Nature of the Activity	No. of students enrolled	Recognitions/Awards received
Student's Parliament Competition 2016 - Goa Legislature Secretariat	01	Best Parliamentarian Award
Indian Engineering Olympiad	01	First Rank
Indian Engineering Olympiad	01	Third Rank
National Level Certification Workshop - Innovation Think Tank, Siemens Healthcare, India	01	First Prize
All Goa Inter-Collegiate Patriotic Singing Competition - V V M's Shree Damodar College of Commerce and Economics	04	Second Prize in Group and Solo categories
Skit Competition - South Zonal Collectorate Office, Margao	15	First Place
Dance Competition - X-CarveV	02	First Place
Weight Lifting & Power Lifting - Goa University	02	Bronze Medal
Groovy Feat - Insight 2017	02	Second Place
Cycling - Goa University	03	Bronze Medal
Swachh Bharat Drawing Competition - Upgrade	01	Third Place

16.0. Alumni

a) Renowned alumni of the department with designation
Nil

b) Are the Alumni contributing to the development of the department? Provide details

Sr. No	Name Alumni	Graduation Year	Employed		Higher Studies		Contribution to the Department
			Current Designation	Company Name	Name of programme	Name of University	
1	Preeti Jagdev	2015	Lecturer	Institute of Ship-Building Technology, Vasco	NA	NA	Provides continuous feedback through constant interactions with department faculty
2	Myron Rodrigues	2016	NA	NA	MSc Robotics	Bristol University	Conducted workshop on Robotics for students
3	Raquib Sharmadi	2016	Student	NA	PGPM	ICFAI Business School	Conducted workshop on Robotics for students
4	Cecilia D'Silva	2016	NA	NA	NA	NA	Conducted workshop on Robotics for students
5	Shramik Salgaokar	2017	Electronics Engineer	Design Intervention India Pvt Ltd	NA	NA	Conducted workshop on for students
6	Zain Rajani	2017	NA	NA	NA	NA	Conducted workshop for students

17.0. Faculty Profile

Sr. No.	Name	Qualification	Exp. (Years)	Designation	Area	Publication	
						Int.	Nat.
1	Michelle Araujo e Viegas	**M.E** *(Electronics)*	12.6 years	Assistant Professor (Stage 2) **In charge HOD**	Wireless Communication, Digital Electronics, Network Analysis & Synthesis	12	01
2	Trima Piedade Fernandes e Fizardo	**M.Tech** *(Digital Communication and Networking)*	11 years	Assistant Professor (Stage 2)	Microprocessors, Secure Communication, Wireless Communication	03	-
3	Kimberly Morais	**M.E.** *(Electronics Communication and Instrumentation)*	07 years	Assistant Professor	Image Processing	07	

4	Samantha Cardoso	**M.E.** *(Microelectronics)*	5.5 years	Assistant Professor	VLSI, Embedded Systems	04	-
5	D. S. Vidhya	**M Tech** *(VLSI and Embedded systems)* **Phd (pursuing)**	17 years	Assistant Professor	VLSI, Embedded Systems, Microprocessor Architecture, Image Processing	04	-
6	Anisha Cotta	**ME** *(Electronic Communication and Instrumentation)*	10 years	Assistant Professor	VLSI, Biomedical Instrumentation	07	-
7	Melba Lira D'souza	**M Tech** *(VLSI and Embedded systems)*	13.3 years	Assistant Professor	VLSI Embedded Systems, DSP, Microprocessors Integrated Electronics	04	-
8	Deron Rodrigues	**ME** *(Electronic Communication and Instrumentation)*	3.5 years	Assistant Professor	Digital Communication, Embedded Systems, Satellite & T.V. Engineering	Nil	-
9	Selvyn Fernandes	**ME** *(Industrial Automation and RF)*	6 years teaching 5 years Industry	Assistant Professor	Automation & Radio Frequency	Nil	-
10	Flavia Leitao	**ME** *(Microelectronics)*	8.5 years teaching 5 years Industry	Assistant Professor	VLSI Design, Embedded Systems	1	-
11	Mathilda Colaco	**ME** *(Electronic Communication and Instrumentation)*	3.5 years	Assistant Professor	Electronic Communication	Nil	-
12	Vishnu Rathod	**M.Tech** *(Digital Communication Engineering)*	04 years	Assistant Professor	Digital Signal Processing, Analog Communication, Digital Communication	Nil	-
13	Yeshudas A. Muttu	**M.E.** *(Electronic Communication and Instrumentation)*	02 Years	Assistant Professor	Biomedical Signal Processing, Digital & Analog Communication	5	-
14	Mohini Naik	**M.E.** *(Electronic Communication and Instrumentation)* **Phd (pursuing)**	04 years	Assistant Professor	Electromagnetic Field & Waves, Transmission Lines & Theory	2	-

18.0.	I**nnovative Practices – Share any three best innovative practices of your department.**

- Mock Viva before practical exams
- Mock Interviews for final year students
- Spoken Tutorials
- GATE coaching
- Fieldtrips
- Workshops