

Department of Electronics & Telecommunication Engineering
Staff Activities : Year 2017-18

• **Seminar/Workshop/Sttp/FDP/Winter School Attended**

Sr. No.	NAME OF STAFF	SEMINAR/WORKSHOP/STTP/WINTER SCHOOL	YEAR/ DATE	ORGANISER
1.	Dr. G. R. Patil	1 Two days FDP on LEARNER CENTRIC APPROCH	15 & 16 June 2017	AIT
2.	Dr. G. R. Patil	2 One Day FDP on IOT & Data Privacy	24-Aug-17	TCS
3.	Dr. G. R. Patil	3 5 Days Workshop on Computer Network & LabView	14 to 18 Aug 2017	Universidad DE Jaen Spain
4.	Dr. G. R. Patil	4 5 Days Train the Trainer Programm for Telecom Technician -IOT Device/ System	15 to 21 Jan 2018	Telecom Sectro Skill Council at AIT
5.	Ms. Surekha KS	1 Hybrid Compression Technique Using Linear Predictive Coding For Electrocardiogram Signals	18th June 2017	Internation Conf. ICAEASM-2017 C-DAC
6.	Ms. Surekha KS	2 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
7.	Ms. Surekha KS	3 State Level FDP on Probability & statics for Machine Learning & Deep Learning	5th to 9th Dec 2017	AIT Pune with SPPU
8.	Ms. Surekha KS	4 Five Days FDP on Image Processing-Advance & Research Challenges	11 to 15th Dec 2017	Sinhgad COE With
9.	Mr. DG Auradkar	1 5 Days Workshop on Computer Network & LabView	14 to 18 Aug 2017	Universidad DE Jaen Spain
10.	Mr. JB Jawale	1 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
11.	Mr. JB Jawale	2 Multimodal Biometric Security System for Solar Panel Cleaning Bot using Human Identification	17-18th Aug 2017	PCCOE Pune
12.	Mr. JB Jawale	3 Andriode Based Multilevel Biometric Security System For Industril Application	17-18th Aug 2017	PCCOE Pune
13.	Mr. JB Jawale	4 Advanced Industrial Automation Training on PLC	6-8th Sep 2017	Indwell Autonation at AIT Pune
14.	Mr. JB Jawale	5 Two Week FDP Program titled for Technological Advances & Emerging Dimensions in Power & Energy Sector	18 to 30 Dec 2017	College of Technology & Engg. Udaipur with AICTE
15.	Mr. K. Vijay Kumar	1 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
16.	Mr. K. Vijay Kumar	2 Faculty Orientation Workshop on TE E&TC Revised Syllabus 2015 for Mechatronics	23rd & 24th June 2017	AISSMS IOIT Pune with SPPU
17.	Mr. K. Vijay Kumar	3 Multimodal Biometric Security System for Solar Panel Cleaning Bot using Human Identification	17-18th Aug 2017	PCCOE Pune
18.	Mr. K. Vijay Kumar	4 Advanced Industrial Automation Training on PLC	6-8th Sep 2017	Indwell Autonation at AIT Pune
19.	Mr. K. Vijay Kumar	5 Two Week FDP Program titled for Technological Advances & Emerging Dimensions in Power & Energy Sector	18 to 30 Dec 2017	College of Technology & Engg. Udaipur with AICTE

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Sr. No.	NAME OF STAFF	SEMINAR/WORKSHOP/STTP/WINTER SCHOOL	YEAR/ DATE	ORGANISER
20.	Ms. S. Wadar	1 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
21.	Ms. S. Wadar	2 Two Week FDP Program titled for Ethics & Moral Values	5th to 18 Dec 2017	SKN COE Pune-41
22.	Ms. S. Wadar	3 Faculty Orientation Workshop on TE E&TC Revised Syllabus 2015 for ITC & CN	14th to 16 Dec 2017	AIT Pune with SPPU
23.	Ms. S. Wadar	4 5 Days Train the Trainer Programm for Telecom Technician -IOT Device/ System	15 to 21 Jan 2018	Telecom Sectro Skill Council at AIT
24.	Ms. S. Wadar	5 Task Based Training TBT2017	29 June to 16 oct 2017	e-Yantra lab setup with IIT Powai
25.	Mr. Avinash Patil	1 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
26.	Mr. Avinash Patil	2 Two Week FDP Program titled for Ethics & Moral Values	5th to 18 Dec 2017	SKN COE Pune-41
27.	Mr. Avinash Patil	3 Faculty Orientation Workshop on TE E&TC Revised Syllabus 2015 for EM & MP	14th to 15 Dec 2017	I2IT Pune with SPPU
28.	Mr. Avinash Patil	4 5 Days Train the Trainer Programm for Telecom Technician -IOT Device/ System	15 to 21 Jan 2018	Telecom Sectro Skill Council at AIT
29.	Mr. Avinash Patil	5 Task Based Training TBT2017	29 June to 16 oct 2017	e-Yantra lab setup with IIT Powai
30.	Mr. Avinash Patil	6 Equation of straight line passing through two given points on reconfigurable hardware logic	28 & 29 January 2018	PEC Vellor TN with IEEE
31.	Ms. SD OZA	1 5 Days Workshop on Computer Network & LabView	14 to 18 July 2017	Universidad DE Jaen Spain
32.	Ms. SD OZA	2 One Day FDP on Digital Signal Processor	7th Dec 2017	MIT WPU Pune
33.	Ms. SD OZA	3 CUDA Based Fast Bilateral Filter For Medical Imaging	22-23 Feb 2018, Amity University, Noida	International Conference Amity School of Engg. IEEE
34.	Ms. SD OZA	4 GPU Based Denoising Filter for Knee MRI	16-17 May 2018	ISMAL-IOT Palladam TN
35.	Ms. SD OZA	5 5 Days Train the Trainer Programm for Telecom Technician -IOT Device/ System	15 to 21 Jan 2018	Telecom Sectro Skill Council at AIT
36.	Ms. SD OZA	6 Task Based Training TBT2017	29 June to 16 oct 2017	e-Yantra lab setup with IIT Powai
37.	Ms. R. Bhandari	1 Blind Channel Estimation Using Novel Independent Component Analysis With Pulse Shaping for Interference Cancellation	9-Jun-17	Internation Springer Link Book
38.	Ms. R. Bhandari	2 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
39.	Ms. R. Bhandari	3 5 Days Workshop on Computer Network & LabView	14 to 18 July 2017	Universidad DE Jaen Spain
40.	Ms. Preeti Warriar	1 Two days FDP on Learner Centric Approach	15TH & 16 June 2017	AIT

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Sr. No.	NAME OF STAFF	SEMINAR/WORKSHOP/STTP/WINTER SCHOOL	YEAR/ DATE	ORGANISER
41.	Ms. Preeti Warriar	2 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
42.	Ms. Preeti Warriar	3 5 days workshop on Fraction Order system	16 to 20 Feb 2018	IIT Kharagpur
43.	Ms. Preeti Warriar	4 Faculty Orientation Workshop on TE E&TC Revised Syllabus 2015 for Power Electronics	14th to 16 Dec 2017	AISSMS IOIT Pune with SPPU
44.	Mr. Girish Kapse	1 Image Processing & Pattern Recognition Application with Hand-On	27th Nov to 1st Dec 2017	COEP Pune-5
45.	Mr. Girish Kapse	2 7 Days STTP on Transforms and their application in engg.	15 Nov to 21 Nov 2017	CIOT Coimbatore AICTE
46.	Mr. Girish Kapse	3 5 Days Train the Trainer Programm for Telecom Technician -IOT Device/ System	15 to 21 Jan 2018	Telecom Sector Skill Council at AIT
47.	Ms. R. Suryawanshi	1 Uncoded 8X8 MIMO Systems with ZF and V-Blast with ZF Detection	18th June 2017	International Conf. ICAEASM-2017 C-DAC
48.	Ms. R. Suryawanshi	2 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
49.	Ms. R. Suryawanshi	3 State Level FDP on Probability & statistics for Machine Learning & Deep Learning	5th to 9th Dec 2017	AIT with SPPU
50.	Ms. R. Suryawanshi	4 5 Days STTP on Analog, Digital Communication & Wireless Network	12 to 16th June 2017	Zeal College of Engg. Research Pune41
51.	Ms. R. Suryawanshi	5 Advanced Industrial Automation Training on PLC	6-8th Sep 2017	Indwell Automation at AIT Pune
52.	Ms. S. Pawar	1 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
53.	Ms. S. Pawar	2 Faculty Orientation Workshop on TE E&TC Revised Syllabus 2015 for SPOS	14th to 16 Dec 2017	PCCOER Pune with SPPU
54.	Ms. S. Pawar	3 State Level FDP on Probability & statistics for Machine Learning & Deep Learning	5th to 9th Dec 2017	AIT with SPPU
55.	Ms. S. Pawar	4 Five Days FDP on Image Processing-Advance & Research Challenges	11 to 15th Dec 2017	Sinhgad COE
56.	Ms. S. Pawar	5 Task Based Training TBT2017	29 June to 16 oct 2017	e-Yantra lab setup with IIT Powai
57.	Ms. S. Pawar	6 5 Days Training the Trainer Programm for Telecom Technician -IOT Device/ System	15 to 21 Jan 2018	Telecom Sector Skill Council at AIT
58.	Ms. Snehal Marathe	1 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
59.	Ms. Snehal Marathe	2 Two Week FDP (Online) Foundation Programm in ICT for Education	03 Aug to 10 Sep 2017	IIT Bombay
60.	Ms. Snehal Marathe	3 State Level FDP on Probability & statistics for Machine Learning & Deep Learning	5th to 9th Dec 2017	AIT with SPPU

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Sr. No.	NAME OF STAFF	SEMINAR/WORKSHOP/STTP/WINTER SCHOOL	YEAR/ DATE	ORGANISER
61.	Ms. M. Nilkanth	1 Two days FDP on LEARNER CENTRIC APPROCH	15TH & 16 June 2017	AIT
62.	Ms. M. Nilkanth	2 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
63.	Ms. M. Nilkanth	3 Two Week FDP on Embedded System Design: A Microcontroller Approach	20th Nov to 1Dec 2017	COEP Pune-5
64.	Ms. M. Nilkanth	4 5 Days Train the Trainer Programm for Telecom Technician -IOT Device/ System	15 to 21 Jan 2018	Telecom Sestro Skill Council at AIT
65.	Ms. D. Patil	1 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
66.	Ms. D. Patil	2 Two days FDP on LEARNER CENTRIC APPROCH	15TH & 16 June 2017	AIT
67.	Ms. D. Patil	3 Two Week FDP (Online) Foundation Programm in ICT for Education	03 Aug to 10 Sep 2017	Iit Bombay
68.	Ms. D. Patil	4 online couse on SKANI101xS: Basi 3D Animation Using Blender	26 Jan to 22 June 2017	IIT Bombay
69.	Ms. D. Patil	5 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
70.	Ms. D. Patil	6 5 Days Train the Trainer Programm for Telecom Technician -IOT Device/ System	15 to 21 Jan 2018	Telecom Sestro Skill Council at AIT
71.	Ms. Pragati Rana	1 Online course on Basic 3D Animation using Blender	26 Jan to 22 June 2017	IIT Bombay
72.	Ms. Pragati Rana	2 Two days FDP on LEARNER CENTRIC APPROCH	15TH & 16 June 2017	AIT
73.	Ms. Pragati Rana	3 Two Week FDP (Online) Foundation Programm in ICT for Education	03 Aug to 10 Sep 2017	Iit Bombay
74.	Ms. Pragati Rana	4 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
75.	Ms. Pragati Rana	5 5 Days Train the Trainer Programm for Telecom Technician -IOT Device/ System	15 to 21 Jan 2018	Telecom Sestro Skill Council at AIT
76.	Ms. D Khatri	Faculty Orientation Workshop on TE E&TC Revised Syllabus 2015 for Electronics System Design	23rd & 24th June 2017	Sinhgad School of Engg. Pune with SPPU
77.	Ms. D Khatri	One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
78.	Ms. Harjeet Kaur	1 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
79.	Ms. Harjeet Kaur	2 Five Days FDP on Image Processing-Advance & Research Challenges	11 to 15th Dec 2017	Sinhgad COE With
80.	Ms. Harjeet Kaur	3 Faculty Orientation Workshop on TE E&TC Revised Syllabus 2015 for ITC & CN	14th to 16 Dec 2017	AIT Pune with SPPU
81.	Ms. Harjeet Kaur	4 PhD Completed	29-Jan-18	IKGPTU Punjab
82.	Ms. Harjeet	5 Lane Order Maintenance System	11-12 May	Internation Conf.

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Sr. No.	NAME OF STAFF	SEMINAR/WORKSHOP/STTP/WINTER SCHOOL	YEAR/ DATE	ORGANISER
	Kaur		2018	(ICOEI2018)
83.	Ms. Harjeet Kaur	6 Navigation System using Light Fidelity	11-12 May 2018	Internation Conf. (ICOEI2018)
84.	Ms. Harjeet Kaur	5 5 Days Train the Trainer Programm for Telecom Technician -IOT Device/ System	15 to 21 Jan 2018	Telecom Sectro Skill Council at AIT
85.	Ms. Sharada Patil	1 Two days FDP on LEARNER CENTRIC APPROCH	15TH & 16 June 2017	AIT
86.	Ms. Sharada Patil	2 One Day FDP on Maplesoft Product Overview- Level1	Jun-17	Binary Semantics
87.	Ms. Sharada Patil	3 Two Week FDP on Embedded System Design: A Microcontroller Approach	20th Nov to 1Dec 2017	COEP Pune-5
88.	Ms. Sharada Patil	4 5 Days Train the Trainer Programm for Telecom Technician -IOT Device/ System	15 to 21 Jan 2018	Telecom Sectro Skill Council at AIT
89.	Ms. Sonal Nikam	1 Two days FDP on LEARNER CENTRIC APPROCH	15TH & 16 June 2017	AIT
90.	Mr. Sandeep Kr. Mishra	1 Two days FDP on LEARNER CENTRIC APPROCH	15TH & 16 June 2017	AIT
91.	Mr. Sandeep Kr. Mishra	2 Faculty Orientation Workshop on TE E&TC Revised Syllabus 2015 for Electronics System Design	23rd & 24th June 2017	Sinhgad School of Engg. Pune with SPPU
92.	Mr. Sandeep Kr. Mishra	3 One Day FDP on DSP	7th Dec 2017	MITWPU Pune
93.	Mr. Sandeep Kr. Mishra	4 State Level FDP on Probability & statics for Machine Learning & Deep Learning	5th to 9th Dec 2017	AIT Pune with SPPU
94.	Mr. Sandeep Kr. Mishra	5 5 Days Train the Trainer Programm for Telecom Technician -IOT Device/ System	15 to 21 Jan 2018	Telecom Sectro Skill Council at AIT
95.	Mr. Tushar Chitare	1 Two Week FDP on Recent Trends in Internet of Things	4th to 15 th Dec 2017	RSCOE Pune-33
96.	Mr. Tushar Chitare	2 Advanced Industrial Automation Training on PLC	6-8th Sep 2017	Indwell Autonation at AIT Pune
97.	Mr. Tushar Chitare	3 5 Days Train the Trainer Programm for Telecom Technician -IOT Device/ System	15 to 21 Jan 2018	Telecom Sectro Skill Council at AIT

• **Paper Published / Presented**

Sr No	Name Of Staff	Title Of Paper	Year/Date Name Of Journal, Volume & Page No.	National / International
1.	Dr. G. R. Patil	1 A Joint Channel Estimation & Data Detection for a MIMO Wireless Communication System Via Sphere Decoding	Aug 2017 JIPS Vol 13 No.4 PP 1029-1042	International Journal
2.	Dr. Surekha KS	1 Hybrid Compression Technique Using Linear Predictive Coding For Electrocardiogram Signals	18th June 2017 IJETSR ISSN 2394-3386	International Conf. ICAEASM-2017

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Sr No	Name Of Staff	Title Of Paper	Year/Date Name Of Journal, Volume & Page No.	National / International
3.	Dr. Surekha KS	2 Real Time DSP Based ECG Acquisition & transmission Using CUDA Based Compression	Innovation 2017	Regional Conference
4.	Dr. P B Karandikar	1 Insulation Assessment of Oil Impregnated Paper Condenser Bushing Using Dielectric Frequency Response Technique	June 2017 IJST Volume 10(21) ISSN0974-6846	National Journal
5.	Dr. P B Karandikar	2 Flexible Supercapacitors: A Review	Oct 2017	National Conference
6.	Dr. P B Karandikar	3 Study of PVDF Based Electrode Structure in Supercapacitors	20& 21 Feb 2018	International Conference
7.	Dr. P B Karandikar	4 Comparative Study of horizontal and Vertical Electrode Structure in Supercapacitors	8 th & 9 th May 2018432	International Conference
8.	Dr. P B Karandikar	5 Challenges in Transition from Internal Combustion Vehicles to Electric Vehicles in India 2030	August 2017	International Conference
9.	Dr. P B Karandikar	6 Analysis of Energy Stored in Supercapacitors Through Regenerative Braking	August 2016	National Conference
10.	Dr. P B Karandikar	7 Effect of Inclined Ball Milling on Various Parameters of Supercapacitors	2018	International Conference
11.	Dr. P B Karandikar	8 Supercapacitor Based Energy Recovery System for an Elevator”, IEEE ICAC3, Mumbai.	1 st and 2 nd December 2017	International Conference
12.	Dr. P B Karandikar	9 Review of Technology for Making Electric Vehicles as Main Mode of Transport	8 th and 9 th Febraury 2018	IEEE-ICACCT Conference, Sangamner
13.	Dr. P B Karandikar	10 An Experimental Study of Indian Fauna as a Precursor to Activated Carbon used as Supercapacitors Electrode	26 th and 27 th April 2018	National Conference
14.	Dr. P B Karandikar	11 Comparative Study of Differently Aligned Electrodes in Nano Material Based Ultracapacitors.	August 2018	International Journal of Engineering & Technology
15.	Dr. P B Karandikar	12 Supercapacitors: Challenges Ahead	Nov 2017	International Conference
16.	Dr. P B Karandikar	13 Effect of Ball Milling parameter variation on performance of super capacitor	19 th & 20 th Jan 2018	
17.	Mr. JB Jawale	1 Multimodal Biometric Security System for Solar Panel Cleaning Bot using Human Identification	17-18 th Aug 2017	PCCOE Pune
18.	Mr. JB Jawale	2 Android Based Multilevel Biometric Security System For Industrial Application	17-18 th Aug 2017	PCCOE Pune

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Sr No	Name Of Staff	Title Of Paper	Year/Date Name Of Journal, Volume & Page No.	National / International
19.	Mr. K. Vijay Kumar	1 Cost Effective Solution for Solar Panel Cleaning System	Innovation 2017	Regional Conference
20.	Mr. K. Vijay Kumar	2 Multimodal Biometric Security System for Solar Panel Cleaning Bot using Human Identification	17-18th Aug 2017	PCCOE Pune
21.	Ms. S. Wadar	1 Equation of Straight Line Passing Through Two Given Points On Reconfigurable Hardware Logic.	28 th & 29 th Jan 2018	IEEE International Conference on EECMC, Priyadarshini COE, TN
22.	Mr. Avinash Patil	1 Equation Of Straight Line Passing Through Two Given Points On Reconfigurable Hardware Logic.	28 th & 29 th Jan 2018	IEEE International Conference on EECMC, Priyadarshini COE, TN
23.	Ms. SD OZA	1 CUDA Based Fast Bilateral Filter for Medical Imaging.	22-23 Feb 2018	International Conf. SPIN 2018
24.	Ms. SD OZA	2 GPU Based Denoising Filter for Knee MRI	16-17 May 2018	International Conf. ISMAC-IOT, Social, Mobile, Analytics & Cloud
25.	Mrs. Renuka Bhandari	1 Blind Channel Estimation Using Novel Independent Component Analysis With Pulse Shaping for Interference Cancellation	09 June 2017 Volume 722 PP 45-57	International Journal
26.	Ms. R. Suryawanshi	1 Uncoded 8X8 MIMO Systems with ZF and V-Blast with ZF Detection	18th June 2017 IJECS ISSN 2348-117X	International Conf. ICAEASM-2017
27.	Dr. Harjeet Kaur	1 Lane Order Maintenance System	11-12 May 2018	International Conf. (ICOEI2018)
28.	Dr. Harjeet Kaur	2 Navigation System using Light Fidelity	11-12 May 2018	International Conf. (ICOEI2018)

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• **Resource Person**

Sr. No.	Name Of The Staff	Topic of guest lecture/ Activity	YEAR/DATE	Organizer
1.	Dr. G. R. Patil	1 Baseband Receiver for TE E&TC	14/09/2017	AISSMS IOIT, Pune
		2 Information Capacity and Channel Coding Discussion on Practical/Project Based Approach	14th to 16th Dec 2017	AIT with SPPU
		3 Analog, Digital Communication & Wireless Network	12 to 16th June 2017	Zeal College of Engg. Research Pune
2.	Mr. JB Jawale	1 Cost Effective Solution for Multimodal Biometric Security of Solar Panel Cleaning System Using Android Phone	30/12/2017	AICTE Sponsored FDP Maharana Pratap university Udaipur
3.	Mr. K. Vijay Kumar	1 Cost Effective Solution for Multimodal Biometric Security of Solar Panel Cleaning System Using Android Phone	30/12/2017	AICTE Sponsored FDP Maharana Pratap University Udaipur
4.	Ms. S. Wadar	1 Interdisciplinary approach for practical system design using PIC microcontroller	12th Sept. 2017	Indira College Of Engineering And Management
5.	Mr. Avinash Patil	1 Interdisciplinary approach for practical system design using PIC microcontroller	12th Sept. 2017	Indira College Of Engineering And Management
		2 Use of Vedic Mathematics in Technology	2nd Feb 2018	Ait Pune-15
6.	Mr. Girish Kapse	1 Linked List for Data Structure for SE Students	21-Jul-17	Aissms IOIT, Pune
7.	Dr. Harjeet Kaur	2 Information Theory Coding Techniques & Communication Networks	28th Feb 2018	Indira College Of Engineering And Management

• **Patents 2017-18**

Sr No	Name Of Staff	Title Of Paper	Year/Date Name Of Journal, Volume & Page No.	National / International
1	Mr. JB Jawale	Liquid Shaker	16/06/2017	National patent

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• **Grants 2017-18**

Sr. No.	Name of the Faculty	Project Title	Academic Year	Funding Agency	Amount (Rs.)	Status
1	Dr. Surekha KS	Real Time DSP Based ECG Acquisition & transmission Using CUDA Based Compression	2017-18	BCUD	1,60,000	Ongoing
2	Mr. K. Vijay Kumar	Cost Effective Solution for Solar Panel Cleaning System	2017-18	BCUD	1,80,000	Ongoing

• **Book Published 2017-18**

Sr No	Name Of Staff	Title Of Book	Year/Date	Publication
1	Dr. G. R. Patil	Digital Communication	ISBN 978-5164-135-3	Nirali