Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), India.

Website: www.rajgad.edu.in, Email Id: scscoe@gmail.com

Internal Quality Assurance Cell

## Academic and Administrative Audit

For Academic Year: 2020-2021

Section I: Basic Information

1	Audit Date	02/07/2020
2	Name of Department	Electronics and Telecommunication
3	Head of Department	Prof. T. M. Dudhane
4	Number of Full time teachers	14
5	Number of Technical Staff	02
6	Number of Student	117
7	Student Full Time Teacher Ratio	9:1

Section II: Curricular Aspects

A. Academic Planning

Sr. No	Particular	Available Yes / No	Remark (if any)
1	Departmental Academic Calendar	Yes	
2	Faculty Subject Choices	Yes	
3	Elective Choices from Students	Yes	
4	Course I Subject Distribution to Faculty	Yes	
5	All Time Tables	Yes	
6	Teaching plan & Laboratory plan	Yes	
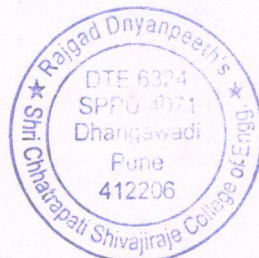
B. Participation of the department in the curriculum development for courses offered by the Affiliating University.

Sr. No.	Name of Faculty	Participated as	Course	Class
1	Prof. L. M. Sagale	Participant	Electronic Circuits	SE (2019)
2	Prof. J. J. Bandal	Participant	Digital Circuits	SE (2019)
3	Prof. A. R. Lokhande	Participant	Electrical Circuits	SE (2019)
4	Prof. P. G. Bendre	Participant	Data structures	SE (2019)
5	Prof. R. S. Nipanikar	Participant	Electronic Skill Development	SE (2019)
6	Prof. Dr. S. I. Nipanikar	Participant	Signals & Systems	SE (2019)
7	Prof. S. Y. Tule	Participant	Control Systems	SE (2019)
8	Prof. J. J. Bandal	Participant	Principles of Communication Systems	SE (2019)
9	Prof. P. S. Gham	Participant	Object Oriented Programming	SE (2019)
10	Prof. P. S. Gham	Participant	Data Analytics Lab	SE (2019)
11	Prof. J. J. Bandal	Participant	Employability Skill Development	SE (2019)

C. List of Elective Courses in Elective Course System offered by the department to final year students.

Sr. No.	Name of Elective Course	Semester
1.	Internet of Things	SEM I
2.	Electronics Product Design	SEM I
3.	Audio Video Engineering	SEM I
4.	Wireless Sensors Network	SEM I

D. List of audit courses in CBCS system offered by department

| Sr. No.	Name of Audit Course	Class	Semester
1.	Science Technology and Society	SE	`SEM I
2.	Cyber & Information Security	TE	SEM I
3.	Green Energy	BE	SEM I
4.	Enhancing Softskills & Personality	SE	SEM II
5.	Embedded System Designs using MSP 430	TE	SEM II
6.	Team Building, Leadership and Fitness	BE	SEM II

E. List of value added courses conducted in department

Sr. No.	Name of Value Added Course	Target Audience (FE / SE / TE / BE)	No.of Students Participated
1	Add on Course on Introduction and Application of Internet of Things	TE and BE	59

Section III: Teaching Learning &Evaluation

A. Course / Curriculum Delivery

Sr. No.	Name of Subject	Name of Faculty	No. of. Lectures / Practical As Per Syllabus	No.of Lectures / Practical as per teaching plan / Lab Plan	No. of Lectures / Practicals Conducted
			Semester I		
1	Engineering Mathematics III	Prof. Y. G. Jadhav	52	52	55
2	Electronic Circuits	Prof. L. M. Sagale	42/08	42/08	46/08
3	Digital Circuits	Prof. J. J. Bandal	42/08	42/08	45/8
4	Electrical Circuits	Prof. A. R. Lokhande	44/8	44/8	47/8
5	Data structures	Prof. P. G. Bendre	42/10	42/08	48/08
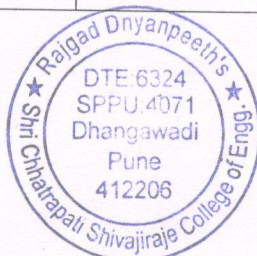
6	Digital Communication	Prof. S. Y. Tule	46/9	46/9	47/9
7	Digital Signal Processing	Prof. S. Y. Tule	40/8	40/8	49/8
8	Electromagnetics	Prof. R. S. Nipanikar	49	49	54
9	Microcontrollers	Prof. P. S. Gham	36/10	36/10	38/10
10	Mechatronics	Prof. P. G. Bendre	38/10	38/08	41/10
11	VLSI Design& Technology	Prof. Dr. S. I. Nipanikar	39/7	39/7	41/7
12	Computer Networks & Security	Prof. L. M.. Sagale	39/8	39/8	42/8
13	Radiation & Microwave Techniques	Prf. R. S. Nipanikar	39/8	39/8	44/08
14	Internet of Things	Prof. A. R. Lokhande	38/6	38/6	41/6
15	Electronics Product Design	Prof. P. S. Gham	36	36	37
Semester II					
1	Signals & Systems	Prof. Dr. S. I. Nipanikar	42	42	47
2	Control Systems	Prof. D. U. Dalavi	40	40	41
3	Principles of Communication Systems	Prof. A. R. Lokhande	42/14	42/14	45/12
4	Object Oriented Programming	Prof. P. S. Gham	38/11	38/11	41/11
5	Power Electronics	Prof. J. J. Bandal	48/08	48/08	48/08

6	Information Theory, Coding and Communication Networks	Prof. S. Y. Tule	34/08	34/08	39/08
7	Business Management	Prof. L. M. Sagale	38	38	39
9	Advanced Processors	Prof. P. S. Gham	36/08	36/08	37/08
10	System Programming and Operating Systems	Prof. P. G. Bendre	44/08	44/08	45/08
11	Mobile Communication	Prof. L. M. Sagale	46/08	46/08	48/08
12	Broadband Communication Systems	Prof. S. Y. Tule	42/08	42/08	43/08
13	Audio Video Engineering	Prof. A. R. Lokhande	40/08	40/08	41/08
14	Wireless Sensor Networks	Prof. P. G. Bendre	36	36	38

B. Use of ICT Tools in teaching learning

Sr. No.	Name of Faculty	Name of Subject for which ICT Used	ICT Tool / Technique Used
1.	Prof. Dr.Y. G. Jadhav	Engineering Mathematics III	Google Classroom, NPTEL Whatsapp, PPT, Google Meet, Zoom, you tube, E-book, Virtual Lab
2	Prof. L. M. Sagale	Electronic Circuits	NPTEL, Google Classroom, Whatsapp, PPT, Zoom, you tube, E-book, Virtual Lab, Google Meet
3	Prof. J. J. Bandal	Digital Circuits	Whatsapp, Google Classroom, NPTEL PPT, Google Meet, Zoom, you tube, E-book, Virtual Lab

4	Prof. A. R. Lokhande	Electrical Circuits	Google Meet, Google Classroom, NPTEL you tube, E-book, Virtual Lab, Whatsapp, PPT, Zoom,
5	Prof. P. G. Bendre	Data structures	Youtube, Google Classroom, NPTEL Whatsapp, Google Meet, Zoom, E-book, Virtual Lab, PPT
6	Prof. S. Y. Tule	Digital Communication	E-book, Google Classroom, Whatsapp, PPT, Google Meet, Zoom, you tube, Virtual Lab, NPTEL
7	Prof. S. Y. Tule	Digital Signal Processing	Google Classroom, NPTEL Whatsapp, PPT, Google Meet, Zoom, you tube, E-book, Virtual Lab
8	Prof. R. S. Nipanikar	Electromagnetics	Google Meet, Google Classroom, NPTEL PPT, Zoom, you tube, E-book, Virtual Lab, Whatsapp
9	Prof. P. S. Gham	Microcontrollers	Zoom, you tube, Google Classroom, NPTEL Whatsapp, PPT, Google Meet, E-book, Virtual Lab
10	Prof. P. G. Bendre	Mechatronics	E-book, Virtual Lab, Google Classroom, NPTEL Whatsapp, PPT, Google Meet, Zoom, you tube,
11	Prof. S. I. Nipanikar	VLSI Design& Technology	Whatsapp, PPT, Google Classroom, NPTEL Google Meet, Zoom, you tube, E-book, Virtual Lab
12	Prof. L. M. Sagale	Computer Networks & Security	Google Classroom, NPTEL Whatsapp, PPT, Google Meet, Zoom, you tube, E-book, Virtual Lab
13	Prof. R. S. Nipanikar	Radiation & Microwave Techniques	NPTEL Whatsapp, PPT, Google Meet, Google Classroom, Zoom, you tube, E-book, Virtual Lab
14	Prof. A. R. Lokhande	Internet of Things	you tube, E-book, Virtual Lab, Google Classroom, NPTEL Whatsapp, PPT, Google Meet, Zoom,
15	Prof. P. S. Gham	Electronics Product Design	Google Classroom, NPTEL Whatsapp, PPT, Google Meet, Zoom, you tube, E-book, Virtual Lab

|		SEM-II	
1	Prof. S. I. Nipanikar	Signals & Systems	PPT, Google Meet, Zoom, youtube, Google Classroom, NPTEL Whatsapp, PPT, Google Meet, E-book, Virtual Lab
2	Prof. A. R. Lokhande	Principles of Communication Systems	NPTEL Whatsapp, Zoom, Google Classroom, you tube, E-book, Virtual Lab
3	Prof. P. S. Gham	Object Oriented Programming	Whatsapp, PPT, Google Meet, Google Classroom, NPTEL, Zoom, you tube, E-book, Virtual Lab
4	Prof. J. J. Bandal	Power Electronics	Virtual Lab, Google Classroom, NPTEL Whatsapp, PPT, Google Meet, Zoom, you tube, E-book.
5	Prof. S. Y. Tule	Information Theory, Coding and Communication Networks	PPT, Google Meet, Google Classroom, NPTEL Whatsapp, Zoom, you tube, E-book, Virtual Lab
6	Prof. L. M. Sagale	Business Management	Google Classroom, NPTEL Whatsapp, PPT, Google Meet, Zoom, you tube, E-book, Virtual Lab
7	Prof. P. S. Gham	Advanced Processors	E-book, Virtual Lab, Google Classroom, NPTEL Whatsapp, PPT, Google Meet, Zoom, you tube,
8	Prof. P. G. Bendre	System Programming and Operating Systems	E-book, Whatsapp, Google Classroom, NPTEL PPT, Google Meet, Zoom, you tube, Virtual Lab
9	Prof. L. M. Sagale	Mobile Communication	Google Classroom, NPTEL Whatsapp, PPT, Google Meet, Zoom, you tube, E-book, Virtual Lab
10	Prof. S. Y. Tule	Broadband Communication Systems	Google Classroom, NPTEL Whatsapp, you tube, E-book, PPT, Google Meet, Zoom, Virtual Lab
11	Prof. A. R. Lokhande	Audio Video Engineering	Whatsapp, PPT, Google Meet, Zoom, you tube, E-book, Virtual Lab, Google Classroom, NPTEL
12	Prof. P. G. Bendre	Wireless Sensor Networks	Google Meet, Zoom, you tube, E-book, Virtual Lab NPTEL Whatsapp, PPT, Google Classroom

C. List of Expert Lecturers / Workshops Conducted

Sr. No	Expert Lecture Topic Name	Expert Speaker / Resource Person	Date of Conduction	Target Audience (FE/SE/TE/BE)
1	Webinar on Cyber Security, Skill Development and Job Development	Mr. Vagish Sharma	05/06/2020	SE, TE, BE and Faculty
2	Webinar on "Intellectual Property Rights"	Bilav Kumar Sarkar	15/10/2020	SE, TE, BE
3	Webinar on Opportunity in Embedded System	Mr. Sujit R. Sakhare	09/02/2021	TE, BE
4	Webinar on Overseas Education Opportunities	Mr. Sachin Mali	10/03/2021	TE, BE
5	Guest lecture on Control System	Prof. Aniket Khandekar	01/06/2021 to 05/06/2021	SE

D. Activates for Slow and Advanced Learner

Sr. No.	Name of Subject	Name of Faculty	Slow Learners / Adv. Learners Identified (Yes/No)	No .of Sessions Conducted for Slow Learners	Activities / Task Assigned for Advanced Learner
1.	Engineering Mathematics III	Prof. Dr.Y. G. Jadhav	Yes	3Hrs	Yes
2	Electronic Circuits	Prof. L. M. Sagale	Yes	1Hrs	Yes
3	Digital Circuits	Prof. J. J. Bandal	Yes	1Hrs	Yes
4	Electrical Circuits	Prof. A. R. Lokhande	Yes	2Hrs	Yes
5	Data structures	Prof. P. G. Bendre	Yes	3Hrs	Yes
6	Digital Communication	Prof. S. Y. Tule	Yes	1Hrs	Yes
7	Digital Signal Processing	Prof. P. S. Gham	Yes	2Hrs	Yes
8	Electromagnetics	Prof. R. S. Nipanikar	Yes	3Hrs	Yes
9	Microcontrollers	Prof. P. S. Gham	Yes	2Hrs	Yes
10	Mechatronics	Prof. P. G. Bendre	Yes	1Hrs	Yes
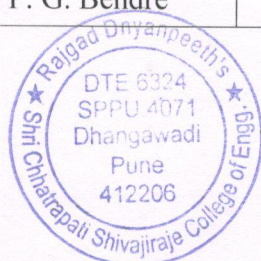
11	VLSI Design & Technology	Prof. S. I. Nipanikar	Yes	1Hrs	Yes
12	Computer Networks & Security	Prof. L. M. Sagale	Yes	1Hrs	Yes
13	Radiation & Microwave Techniques	Prof. R. S. Nipanikar	Yes	2Hrs	Yes
14	Internet of Things	Prof. A. R. Lokhande	Yes	1Hrs	Yes
15	Electronics Product Design	Prof. P. S. Gham	Yes	1Hrs	Yes
SEM-II					
1	Signals & Systems	Prof. S. I. Nipanikar	Yes	3Hrs	Yes
2	Principles of Communication Systems	Prof. A. R. Lokhande	Yes	1Hrs	Yes
3	Object Oriented Programming	Prof. P. S. Gham	Yes	2Hrs	Yes
4	Power Electronics	Prof. J. J. Bandal	Yes	1Hrs	Yes
5	Information Theory, Coding and Communication Networks	Prof. S. Y. Tule	Yes	2Hrs	Yes
6	Business Management	Prof. L. M. Sagale	Yes	1Hrs	Yes
7	Advanced Processors	Prof. P. S. Gham	Yes	2Hrs	Yes
8	System Programming and Operating Systems	Prof. P. G. Bendre	Yes	2Hrs	Yes
9	Mobile Communication	Prof. L. M. Sagale	Yes	1Hrs	Yes
10	Broadband Communication Systems	Prof. S. Y. Tule	Yes	2Hrs	Yes
11	Audio Video Engineering	Prof. A. R. Lokhande	Yes	1Hrs	Yes
12	Wireless Sensor Networks	Prof. P. G. Bendre	Yes	1Hrs	Yes

E. List of Bridge Courses Conducted

Sr. No.	Name of Subject for which Bridge Course Conducted	Name of Faculty	Class	Semester
	NIL			

F. Counseling and Mentoring

Sr. No.	Particular	Yes/No	Remark (if any)
1	Mentor Allocation	Yes	
2	Class wise Student Profile Record maintained	Yes	
3	Mentor Mentee Session Record maintained	Yes	

No. of Students in Department	No. of Full Teachers in Department	Mentor: Mentee Ratio
117	14	1:9

G. Internal· Evaluation System

Sr. No.	Particular	Yes / No	Remark (if any)
1	Continuous Evaluation Record	YES	
2	Mock Online Exam Record	YES	
3	Unit test *I* Class Test Record	YES	
4	Prelim Exam Record	YES	
5	Mock Oral Practical Record	YES	
6	Seminar *I* Project Review Record	YES	
7	Term Work Marks Record	YES	

H. Learning Outcome

Sr. No.	Particular	Yes / No	Remark (if any)
1	PO, PSO, CO are well stated	YES	
2	Correlation of Cos in PSOs and POs	YES	
3	Course Outcome attainment calculated	YES	

I. Student Performance in University Exam

1. Semester I

Sr. No.	Particular	SE	TE	BE
1	Number of students appeared	44	28	44
2	Number of All Clear Students	37	25	40
3	Number of students passed with distinction	25	25	39
4	Number of students passed with first class	12	--	01
5	Number of students passed with higher second class	--	--	--
6	Number of students passed with second class	--	--	--
7	Number of Students Failed (ATKT)	07	03	04
8	**Passing Percentage**	**84.09%**	**89.29%**	**90.91%**

2. Semester II

Sr. No.	Particular	SE	TE	BE
1	Number of students appeared	44	29	44
2	Number of All Clear Students	38	23	40
3	Number of students passed with distinction	26	22	40
4	Number of students passed with first class	12	01	--
5	Number of students passed with higher second class	--	--	--
6	Number of students passed with second class	--	--	--
7	Number of Students Failed (ATKT)	06	06	04
8	**Passing Percentage**	**86.36%**	**79.31%**	**90.91%**

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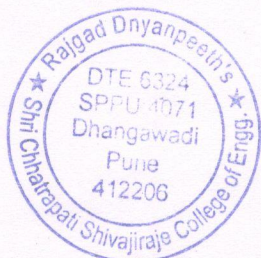
II.   Remedial Coaching

Sr. No.	Name of Subject for which Remedial Coaching Conducted	Name of Faculty	Class	Semester
NIL				

Section IV: Structured Feedback

| Sr. No.	Particular	Yes / No	Remark (if any)
1	Student feedback on teaching learning conducted & analysed.	Yes	
2	Parent Meet/ Parent Feedback conducted & analysed	Yes	
3	Student exit survey conducted & analysed	Yes	
4	Alumni feedback conducted & analysed	Yes	

Section V: Research, Innovation, Publication

A. Research grants, projects completed and ongoing from funding agencies (like SPPU,BCUD,UGC,AICTE,DST)

Sr. No.	Principal Investigator	Title of Project	Funding Agency	Amount (Rs. In Lakh)	Remark (if any)
NIL					

B. Faculty Publications

Number of Publication in National Journals	0
Number of Publication in International Journals	3
Number of Publication in National Conferences	0
Number of Publication in International Conferences	2
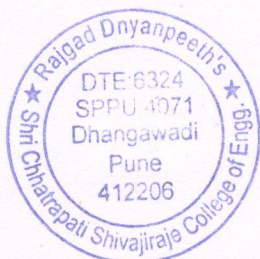
C. National Journal

Sr. No.	Title of Paper	Name of the Author/s	Name of journal	ISBN / ISSN Number
NIL				

D. International Journal

Sr. No.	Title of Paper	Name of the Author/s	Name of journal	ISBN / ISSN Number
1	Study of Open Circuit Fault Diagnosis in VSI using Discrete Wavelet Transform and Machine Learning Approach	Dr. Sanjay B. Patil	International Journal of Advanced Science and Technology	13370 – 13378
2	Identify Outliers Using Local Minima Density In Kohonen Self Organization Feature Map	Dr. Sanjay B. Patil	JOURNAL OF CRITICAL REVIEWS	2394-5125
3	Architectural Enhancement of Processor with 8 Bit Multiplier and 16 Bit Co-operative ALU using VHDL	Prof. T.M. Dudhane	International Journal of Emerging Trends in Engineering Research	2977 - 2983

E. National Conference

Sr. No.	Title of Paper	Name of the Author/s	Title of the Proceedings of the Conference	ISBN / ISSN Number	Publisher
NIL					

F. International Conference

Sr. No.	Title of Paper	Name of the Author/s	Title of the Proceedings of the Conference	ISBN / ISSN Number	Publisher
1	Prediction of vehicle Clutch Breakdown based on Multiple Linear Regression	Dr. Sanjay B. Patil	Advances in Engineering and Technology Management-2020	International	SCOPUS indexed / REFEREED / CAPES-A2 / UGC-CARE
2	Preprocessing and Skull Stripping of Brain Tumor Extraction from Magnetic Resonance Imaging Images Using Image Processing	Dr. Sanjay B. Patil	Recent Trends in Computing ICRTC 2021	International	IOS Press, Springer

G. Books / Book Chapters

Sr. No.	Title of the Book / Chapters Published	Name of the Author/s	ISBN / ISSN Number	Publisher
NIL				

Section VI: Collaborations & Linkages
A. Student Internships

Sr. No.	Name of Student	Name of Sponsored Industry / Research Institute / Partner in Institution	Duration
1	KUNJIR AJINKYA RAJENDRA	TECHQ KONNECT TECHNOLOGIES PVT LTD	14/12/2020 TO 15/01/2021
2	BHOSALE SONALI SUNNIL	TECHQ KONNECT TECHNOLOGIES PVT LTD	14/12/2020 TO 15/01/2021
3	HINGE PRATHAMESH BALASAHEB	TECHQ KONNECT TECHNOLOGIES PVT LTD	14/12/2020 TO 15/01/2021
4	KAMBLE ANKITA AJAY	PANTECH SOLUTIONS	20/12/2020 TO 05/01/2021

5	MANDHARE SONAL VASANT	PANTECH SOLUTIONS	20/12/2020 TO 05/01/2021
6	MORE SAYLI LAXMAN	PANTECH SOLUTIONS	20/12/2020 TO 05/01/2021
7	SHELAR PRATIKSHA PRADIP	PANTECH SOLUTIONS	20/12/2020 TO 05/01/2021
8	PAWAR MANTHAN KUMAR	KNOWLEDGE SOLUTIONS INDIA	27/10/2020 TO 08/12/2020
9	ARSHAD KAZI	KNOWLEDGE SOLUTIONS INDIA	27/10/2020 TO 08/12/2020
10	MANSOOR KAZI	KNOWLEDGE SOLUTIONS INDIA	27/10/2020 TO 08/12/2020
11	MR.SUNIL BHAGWAN AHIRE	OASIS SOFTWARE SOLUTIONS	01/01/2021 TO 15/01/2021
12	MR.SHUBHAM JADHAV	ZAPFIRE	10/12/2020 TO 28/02/2021
13	MR.BAGWE BHIKAJI ANIL	ZAPFIRE	10/12/2020 TO 15/01/2021
14	MR.BHAGADE KUSUM ASHOK	ZAPFIRE	10/12/2020 TO 15/01/2021
15	MR.POMAN SONALI ANIL	ZAPFIRE	10/12/2020 TO 15/01/2021
16	MR.PAWAR KIRAN NANASO	ZAPFIRE	10/12/2020 TO 15/01/2021
17	MR.MANE PRASHANT MADHUKAR	ZAPFIRE	10/12/2020 TO 15/01/2021
18	MS.PRAJAKTA PRAKASH MANDHARE	CHHEDA ELECTRICALS & ELECTRONICS PVT LTD.	1/01/2021 TO 31/01/2021
19	MS.PRIYANKA JADHAV	SCHAEFFLER INDIA LIMITED PUNE	21/12/2020 TO 20/01/2021
20	MS.SNEHAL SANDESH GORAD	KAIZEN FUTURETECH MUMBAI	15/06/2021 TO 30/06/2021
21	MS.VEER ABHILASHA MOHAN	KAIZEN FUTURETECH MUMBAI	15/06/2021 TO 30/06/2021
22	MR.BANKAR HRISHIKESH RAMESH	HINDUSTAN EMERGING COMPANY	01/01/2021 TO 31/01/2021
23	MS.SAYALI LAXMAN MORE	CENTURY ENKA LIMITED	20/06/2020 TO 20/07/2020
24	MS.KOMAL SATYWAN TINGARE	SIGMA ELECTRIC MANUFACTURING CORPORATION PVT.LTD.	10/11/2020 TO 25/11/2020
25	MS.PRAGATI PISAL	BAG ELECTRONICS INDIA PVT LTD	01/01/2021 TO 30/01/2021
26	MS.DAMINI SHIVAJI MAHANGARE	KAIZEN FUTURETECH MUMBAI	15/06/2021 TO 30/06/2021

B. Sponsored Projects

Sr. No	Project Title	Name of Student	Name of Sponsored Industry / Research Institute / Partnering Institution
1	Automatic Fever Screening System Based on Infrared	Bobade Ganesh Arjun	Sanjeevani Enterprises, Shahu Colony, Karvenagar,Pune.
2		Khopade Poonam Rajaram	
3		Nale Bhakti Sanjay	
4	Contactless UI control for Lift	Bagwe Bhikaji Anil	Sanjeevani Enterprises, Shahu Colony, Karvenagar,Pune.
5		Hinge Prathamesh Balasaheb	
6		Kindre Kiran Laxaman	
7		Kayangude Nikhil Mahadev	
8	Smart Stick for Blind people	Shivtare Ruchita Rajendra	Public Testing Laboratory, Erandwane,Pune
9		Jangam Karishma Haribhau	
10		Veer Abhilasha Mohan	
11	Wearable Face mask Recognition System	Jagtap Gaurav Hanumant	Public Testing Laboratory, Erandwane,Pune
12		Phalle Pranali Vinayak	
13		Sonar Dhananjay Arun	

C. Industrial Visits

Sr. No.	Name of industry / Company Research Institute / Partnering Institution	Date of Visit	Number of Student Participated
Due to pandemic situation industrial visit is not possible			

D. Functional Memorandum of Understanding (MoU)

Sr. No.	Name of industry / Company Research Institute / Partnering Institution	Date of Commencement	Duration
1	VCB Electronics Pvt ltd	24 June 2014	10 year
2	Dhruva Automation and controls pvt ltd	07 March 2016	10 years
3	Xtream Engineering Equipment Pvt ltd	17 July 2015	10 years
4	Saturn Rings and Forgings Pvt Ltd	27 Dec 2018	5 years
5	High Power Engineering Co Pvt Ltd	14 June 2014	10 years
6	Raj Vimal Group, Pune	20 Aug 2019	5 years
7	Magnum Solutions, Narhe, Pune	28 Jan 2019	3 years

Section VII: Student Progression

A. Placements

Sr. No	Name of Students	Name of Company
1	Bagwe Bhikaji Anil	Incrux Technologies Pvt.Ltd
2	Bobade Ganesh Arjun	Incrux Technologies Pvt.Ltd
3	Dudhane Sneha Prakash	Incrux Technologies Pvt.Ltd
4	Gorad Snehal Sandesh	VCB Electronics Pvt.Ltd
5	Jangam Karishma Haribhau	VCB Electronics Pvt.Ltd
6	Mahangare Damini Shivaji	VCB Electronics Pvt.Ltd
7	Veer Abhilasha Mohan	VCB Electronics Pvt.Ltd
8	Redkar Aarti Sharad	VCB Electronics Pvt.Ltd
9	Mane Prashant Madhukar	Trinity Electromech
10	Patil Sayali Shrinivas	Trinity Electromech
11	Nale Bhakti Sanjay	Trinity Electromech
12	Phalle Pranali Vinayak	Trinity Electromech
13	Dudhane Sneha Prakash	Trinity Electromech
14	Pawar Ashwini Ramesh	Trinity Electromech
15	Walhekar Prasad Dnyanoba	Trinity Electromech
16	Kayangude Nikhil Mahadev	TE Connetivity
17	Khopade Poonam Rajaram	TE Connetivity
18	Kedari Bhagyashri Tukaram	TE Connetivity
19	Deshpande Prathamesh Vikas	TE Connetivity
20	Shivtare Ruchita Rajendra	TE Connetivity

B. Higher Education

Sr. No.	Name of Students	Name of Institution Admitted To	Name of Program Admitted To
NIL			

Section VIII: Activity Conducted / Organized by Department

A. Technical Event / Workshop organized for Students

Sr. No.	Name of Event Workshop	Organized under	Date of Event	Level	No. Of Participants
1	Webinar on Diagnosis of Brain Diseases using MRT	Department	10/09/2020	University	96
2	Webinar on Protection Circuits for Power Factor Correction	Department	08/10/2020	University	57
3	Webinar on Performance Enhancement of DC Motor	Department	03/02/2021	University	72
4	Webinar on Recent Trends in Biomedical Imaging	Department	08/03/2021	University	84
5	Online quiz on Era of Microcontroller	Department	17/3/2021	University	30
6	Online Quiz on Vogue of Digital Circuit	Department	18/3/2021	University	44
7	Online Quiz on Emerging Trends and Challenges in Machine Learning	Department	18/03/2021 to 20/03/2021	University	58
8	Webinar on IOT based productive Farming System	Department	23/03/2021	University	76

B. FDP/ workshop/STTP/ Conference organized for faculty

Sr. No.	Name of Event / Workshop	Date of Event	Level (University / State/ National / International)	No. of Participants
1	3 Days FDP on Basics of Python Programming	02/01/2021, 09/01/2021, 16/01/2021	University	14

C. Seminar / workshop / STTP / Conference attended by Student

Sr. No.	Name of Event / Workshop	Date of Event	Level (University / State / National / International)	No. of Participants
1	Webinar on Cyber Security, Skill Development and Job Opportunities	05/06/2020	University	14
2	Webinar on Introduction and Application of Internet of Things	18/01/2021 to 23/01/2021	University	37
3	Webinar on Intellectual Property Rights-Patents	15/10/2020	University	21

D. Seminar / FDP/ workshop / STTP/ Conference attended by faculty

Sr. No.	Name of Faculty	Name of Event / Workshop	Date of Event	Level (University / State / National / International)
1	Prof. Dr. S. B. Patil	Webinar On Project Proposal Writing	27/05/2021	State
2		FDP on Artificial Intelligence	24/05/2021 to 28/05/2021	State
3		E-Workshop on Research Methodology	10/05/2021 to 15/05/2021	National

4		FDP on Role of National Education Policy for National Development	30/03/2021	State
5		Webinar on Implementation of National Education Policy (NEP) 2020	18/03/2021	State
6		FDP on Internet of Things	11/01/2021 to 15/01/2021	National
7		Workshop on Outcome Based Education and Accreditation	11/09/2020	State
8		Online Quiz on Faculty Awareness Quiz on NBA	15/06/2020	State
9	Prof. T. M. Dudhane	Webinar on Stress Management	23/05/2021	State
10		Webinar on Advanced Tips and Tricks for Thesis Writing	22/05/2021	State
11		FDP on Industry 4.0	20/05/2021 to 22/05/2021	State
12		Webinar on Use of Communication Networks in Industry	12/05/2021	National
13		Webinar on National Education Policy 2020	27/04/2021	State
14		Webinar on Implementation of National Education Policy 2020	25/03/2021	National
15		Webinar on Investment Awareness Program Introduction to Securities Market	17/02/2021	State
16		National Level Awareness program on Training and Placement	17/01/2021	National
17		Webinar on Rajyastariy Yuva Shibir	11/01/2021 to 13/01/2021	State
18		Workshop on Virtual Lab	24/12/2020	State
19		Webinar on Majha Assistant, Commandant paryantcha Ladha	08/11/2020	State
20		Webinar on Carrier Growth Cloud Computing	07/11/2020	State
21		Webinar on Kanda Utpadan Trantradyan	03/11/2020	State
22		Webinar on Shikshika te Shikshan Adhikari Jiwanpravas	01/11/2020	State
23		Webinar on Vidyarthi te Bhoutik Shastradnya	25/10/2020	State
24		Webinar on Durmil va Durlakshit Prani	18/10/2020	State
25		Webinar on Vachal tar Vachal	15/10/2020	State
26		Webinar on Beauty of Inner Engineering Through Yoga and Meditation	14/10/2020	State
27		Webinar on Key to Success	11/10/2020	State

28		Webinar on Vayusenetil Sandhi	08/10/2020	State
29		Workshop on How to Build Digital Profile	08/10/2020	National
30		Program on Digital Gurumantra	19/08/2020	State
31		Webinar on Cyber Security and Skill Development and Job Opportunities	05/06/2020	State
32		Webinar on Introduction to LIGO : Challenges and Opportunities	03/06/2020	State
33		Webinar on Stress Management	23/05/2021	State
34	Prof. Dr. S. I. Nipanikar	Chhatrapati Sambhaji Maharaj Jayanti online Quiz	14/05/2021	National
35		Webinar on National Education Policy 2020	27/04/2021	National
36		Implementation of National Education Policy-2020	25/03/2021	National
37		Emerging Trends and challenges in Machine Learning" Quiz	19/03/2021	National
38		Webinar on Investment Awareness Program	17/02/2021	State
39		Webinar on Entrepreneurial Skill Development For Startups And Innovators.	28/01/2021	National
40		National Voters Day online Quiz	25/01/2021	National
41		Faculty Orientation Workshop on revised syllabus 2019, Subject: Employability Skills Development	21/01/2021	University
42		Faculty Orientation Workshop on revised syllabus 2019, Subject: Control System	18/01/2021 to 20/01/2021	University
43		Workshop on Virtual Labs	24/12/2020	State
44		Webinar on Effective and efficient writing of research papers for the web of science	10/11/2020	National
45		Workshop on Innovation and Startup - Transform Ideas in Business	26/10/2020 to 30/10/2020	National
46		Quiz on Life of Dr. A P J Abdul Kalam	15/10/2020	State
47		Webinar on Application of Signal Processing to Speech	24/09/2020	National
48		Webinar on Role of Engineers in Developing Smart Cities in Indian Scenario	12/09/2020	National

49		Three days Workshop on Fundamentals of Matlab	15/07/2020 to 17/07/2020	National
50		FDP on Advanced Optimization Techniques and hands-on with MATLAB/SCILAB	13/07/2020 to 24/07/2020	National
51		Webinar on Industry 4.0 and Challenges,Opportunities for Future Engineers	10/07/2020	National
52		FDP on Digital Electronics Laboratory	06/07/2020	State
53		Webinar on Enhancing Quality Culture in Technical Institutes through Online Teaching for Outcome Based Education	05/07/2020	National
54	Prof. R. S. Nipanikar	Online Quiz competition on National Voters day	25/01/2021	National
55		FDP on "Employability Skill Development" (SE Revised syllabus 2019 Course)	21/01/2021	University
56		FDP on "Principles of Communication Systems" (SE Revised syllabus 2019 Course)	18/01/2021 to 20/01/2021	University
57		Hands-on Workshop on "Virtual Labs"	24/12/2020	University
58		Online FDP on "Advanced Optimization Techniquies and hands-on with MATLAB/SCILAB"	13/07/2020 to 24/07/2020	National
59		Webinar on "Life Long Learning Skills: Meditation, Yoga & Physical Fitness"	08/07/2020	National
60		Webinar on "Being Interview Ready: The do's & Don't's in any Interview"	08/07/2020	National
61		Webinar on "Phased Array Antenna Design using CST studio Suite 2020.05"	29/06/2020 to 30/06/2020	National
62		FDP on "Electronic Skill Development Lab" (SE Revised syllabus 2019 Course)	23/06/2020 to 26/06/2020	University
63		FDP on "Electronic circuits" (SE Revised syllabus 2019 Course)	22/06/2020 to 26/06/2020	University
64	Prof. J. J. Bandal	Webinar on Accelarators incubation oppurtunities for the students and faculties	27/05/2021	State
65		Webinar on Stress Management	23/05/2021	State
66		FDp on Recent Advances in Health 5.0 In line with NEP 2020	22/03/2021 to 26/03/2021	State
67		One week STTP on component and applications of IOT	22/03/2021 to 26/03/2021	State

68		webinar on "Uses of medicinal plants in a day to day	08/03/2021	state
69		webinar on Investment Awareness Program-"Introduction to Securities Market	17/02/2021	State
70		webinar on ADVANCED COMMUNICATION USING IOT & WSN	9/02/2021 to 13/02/2021	State
71		FDP on SE(E&TC/ Electronics) Revised Syllabus 2019 Course for the Subject Employability Skills Development Organized by Department of E&TC	21/01/2021	University
72		FDP on SE(E&TC/ Electronics) Revised Syllabus 2019 Course for Principal of Communication System	18/01/2021 to 20/01/2021	University
73		Webinar on Application of Signal Processing to Speech	24/09/2020	State
74		FDP on IT Skills for Smart Teaching	05/08/2020	State
75		Webinar on Global Alumni Symposium	26/07/2020	State
76		webinar on Data Science	20/07/2020	National
77		Webinar on Gender Equality, Let's Rise from Shadows	15/07/2020	State
78		Webinar on Virtual Teaching Learning Opportunities and Challenges	15/07/2020	National
79		Webinar on Insights of Electronics and Telecom	13/07/2020	State
80		webinar on "NAAC Process, Review & Reformation	12/07/2020	State
81		Workshop on "Opportunities in Robotics Process Automation (RPA)"	10/07/2020	State
82		FDP on " Digital Electronic Laborotary" SE 2019 Course	06/07/2020	University
83		Webinar on Enhancing Quality Culture in Technical Institutes through Online Teaching for Outcome Based Teaching	05/07/2020	State
84		Webinar on A Case Study on Application of Image and Video Processing in Defence	30/06/2020	State
85		Faculty Orientation Workshop on SE(E&TC/ Electronics) Revised Syllabus 2019 Course FDP on Digital Circuits (DC)	22/06/2020 to 26/06/2020	University
86		Webinar on How to Conduct Virtual Labs	24/06/2020	State
87		Webinar on Use of IoT in Industry 4.0	18/06/2020	State
88		Webinar on Effective Teaching Learning Strategies for Improved Learning Outcomes	17/06/2020	State
89		webinar on Recent trends in research of Electrical Power Transmission	06/06/2020	State

90		Webinar on Industry Treads using Machine Learning with MatLab	03/06/2020	State
91		Webinar on Challages and Importance of E- West manegements	01/06/2020	National
92	Prof. L. M. Sagale	Online Quiz" Conducted By Nss Department On Occasion Of The 364th Birth Anniversary Of Chatrapati Sambhaji Maharaj	14/05/2021	National
93		Webinar on National Educatioonal Policy	27/04/2021	National
94		Quiz on "Emerging Trends and challenges in Machine Learning	19/03/2021	National
95		Quiz on Era of Microcontrollers	17/03/2021	National
96		Quiz on Vogue of Digital Circuits	15/03/2021	National
97		Webinar on Recent Technolgy in satellite and wireless communication	28/02/2021	National
98		International Virtual Conference Next Generation Education Technology for Science and Engineering	26/02/2021 to 27/02/2021	International
99		STTP on DIGITAL SKILL DEVELOPMENT FOR PROFESSIONALS	22/02/2021 to 27/02/2021.	National
100		Webinar on Investment Awareness Program	17/02/2021	National
101		Quiz on National Voter Day	25/01/2021	National
102		Workshop on Project Based Learning	23/01/2021	National
103		Faculty Orientation Workshop on SE(E&TC/ Electronics) Revised Syllabus 2019 Course FDP on Employability skills development	21/01/2021	University
104		Faculty Orientation Workshop Principles of Communication systems	18/01/2021 to 20/01/2021	University
105		Faculty Development Profram on Internet of Things	11/01/2021 to 15/01/2021	National
106		Workshop on Virtual labs hands on workshop	24/12/2020	National
107		Quiz on National Mathematics day	22/12/2020	National
108		Faculty Orientation Workshop on SE(E&TC/ Electronics) Revised Syllabus 2019 Course FDP on Electronic Circuits	22/06/2020 to 26/06/2020	University
109	Prof. P. S. Gham	Webinar on "Accelerators/Incubation-Opportunities for the students and faculties Early Stages Entrepreneurs"	27/05/2021	National
110		Online Quiz" On 364th Birth Anniversary Of Chatrapati Sambhaji Maharaj	14/5/2021	University

111		Webinar on National Education Policy 2020	27/4/2021	National
112		Online Quiz on Emerging Trends & challenges in machine learning	19/3/2021	University
113		Online Quiz on Vogue of Digital Circuit	18/3/2021	University
114		Online quiz on Era of Microcontroller	17/3/2021	University
115		Webinar on Uses of medicinal plants in day to day life	8/3/2021	University
116		Webinar on Investment Awareness Program introduction to securities market	17/2/2021	National
117		Online quiz on National Voters day	25/1/2021	University
118		Hands-on Workshop on "Virtual Labs"	24/12/2020	University
119		Online Quiz on National Mathematics Day	13/12/2020	University
120		Webinar on Effective and efficient writing of research papers for the web of science, Scopus indexed journal and Conference papers using typeset Research studio	10/11/2020	National
121		Online QuizCompetition based on "Life ofDr. APJ Abdul Kalam"	15/10/2020	University
122		Workshop on "Virtual lab: Hands on Outreach Workshop	18/08/2020	University
123		workshop on fundamentals of Matlab	15/07/2020 to 17/07/2020	National
124		Webinaron "Exploring Microsoft Teams: An Online Teaching Platform	15/07/2020	National
125		Faculty Orientation Workshop on SE(E&TC/ Electronics) Revised Syllabus 2019 Course FDP on Data structure	22/06/2020 to 26/06/2020	University
126		State Level Qnline Quiz on "Electronics Fundamental"	6/6/2020	State
127	Prof. S. Y. Tule	Online FDP on "Artificial Intelligence"	24/05/2021 to 28/05/2021	National
128		Online Quiz on 364th Birth Anniversary of Chhatrapati Sambhaji Maharaj	14/5/2021	University
129		Webinar on National Education Policy 2020	27/4/2021	National
130		FDP on Recent Advances in Health 5.0 In line with NEP 2020	22/03/2021 to 26/03/2021	National
131		Online Quiz on Emerging Trends & challenges in machine learning	19/3/2021	University
132		Online Quiz on Vogue of Digital Circuit	18/3/2021	University
133		Online quiz on Era of Microcontroller	17/3/2021	University

134		Webinar on Uses of medicinal plants in day to day life	8/3/2021	University
138		Webinar on Investment Awareness Program introduction to securities market	17/2/2021	National
139		FDP on Advanced Communication Using Iot & Wsn	09/02/2021 to 13/02/2021	National
140		Webinar on Opportunities in Embedded Systems	09/02/2021	University
141		Online quiz on National Voters day	25/1/2021	University
142		Online Faculty Development Program on Internet of Things	11/01/2021 to 15/01/2021	National
143		Hands-on Workshop on "Virtual Labs"	24/12/2020	University
144		Online Quiz on National Mathematics Day	13/12/2020	University
145		Webinar on "Effective and efficient writing of research papers for the web of science, Scopus indexed journal and Conference papers using typeset Research studio"	10/11/2020	National
146	Prof. P. G. Bendre	STTP on Components and Applications of IOT	22/03/2021 to 26/03/2021	National
147		Quiz on Era of Microcontroller	17/03/2021	State
148		Webinar on Investment Awareness Program	17/02/2021	State
149		FDP on Advanced Communication using Iot and WSN	09/02/2021 to 13/02/2021	State
150		Quiz on National Voters Day	25/01/2021	State
151		FDP on SE E&TC Revised syllabus of subject Data Analytics Lab	21/01/2021 to 22/01/2021	University
152		Quiz on Mathematics Day	22/12/2020	University
153		FDP on SE E&TC Revised syllabus of subject Data Structures	22/06/2020 to 26/06/2020	University

Section IX: Achievements

A. Awards and Prizes received by students

Sr. No.	Name of Student	Event Name / Details	Organized by	Achievement / Position / Prize
NIL				

B. Awards and Prizes received by Faculty

Sr. No.	Name of faculty	Event Name / Details	Organized by	Achievement / Position / Prize
NIL				

C. Participation of teachers in various activities as members of committees at University level, State level, National level, International level bodies.

Sr. No.	Name of Faculty	Members of Committees at University level / State level / International Level as
1	Prof. Dr. S. B. Patil	Examiner at Evaluation Branch Jawaharlal Nehru University, New Delhi
2	Prof. Dr. S. B. Patil	Member of UGC Selection Committees
3	Prof. Dr. S. B. Patil	Ph. D Evaluator Sri Satya Sai University of Technology & Medical Sciences, Sehore (M. P.)
4	Prof. Dr. S. B. Patil	PhD Research Guide at Visvesvaraya Technological University

D. Details of teachers appointed/ Nominated on Editorial Boards/Reviewers

Sr. No.	Name of Faculty	Name of Editorial Boards /Conference
1	Prof. Dr. S. B. Patil	Reviewer of Indian Journal of Science & Technology
2	Prof. Dr. S. B. Patil	Reviewer of Manuscript "Comparative analysis of CNN & RNN for Voice pathology Direction"

E. Awards / Prizes and recognitions received by teachers at university, state, national and international level:

Sr. No.	Name Of Faculty	Name of Award
1	Prof. Dr. S. I. Nipanikar	Certificate of Grant Innovation Patent Patent Number: 2020102615 Title of Invention: Intelligent Water Distribution System for Saving Water using SIM Awarded by Australian Government
2	Prof. Dr. S. B. Patil	Intellectual Property India Patent Number: 202121003281 Title of Invention: Automatic Plant Leaf Disease Diagnosis with Machine Learning And Deep Convolutional Neural Network Awarded By Government of India

F. Participation of teachers in various activities as resource person / Expert Lecture / Paper Setter :

Sr. No.	Name Of Faculty	Date of Activity	Name of Organization	Name of Activity
1	Dr. S. I. Nipanikar	23/02/2021	Savitribai Phule Pune University	Paper Setter and Examiner for SE 2015
2	Dr. S. I. Nipanikar	22/02/2021	Savitribai Phule Pune University	Paper Setter and Examiner for BE 2012

Declaration by the Head of the Department

I am aware that the above information provided by the department will be validated by the AAA committee during the visit.

Date:

Head of Department
Head of Department
Dept. of E& TC Engineering
Shri Chh. Shivajiraje College of Engg.
Dhangawadi, Pune-412206

Principal
Principal
Rajgad Dnyanpeeth's
Shri Chhatrapati Shivajiraje College of Engg.,
Dhangawadi, Pune-412206

Recommendations:

Auditor 1 : For Research activity, motivation to all faculty for publication in reputed journals in UGC approved list/scopus Indexed/wos (SCI/SCIE/ESCI) is necessary.

Auditor 2 : i) Research funding is required from senior faculty
ii) For bridging the gap between industry & academia, add-on courses for SE/TE/BE, is required.

External Auditor 1
Prof. (Dr). N.S. Narawade
HOD, Dept. of E&TC
[Genba Sopanrao Moze CoE, wagholi, pune.]

External Auditor 2
Prof (Dr.) C.G. Patil
Professor, Dept. of SAE, kondwa
Pune.