Maratha Vidya Prasarak Samaj's
Rajarshi Shahu Maharaj Polytechnic, Nashik
Udoji Maratha Boarding Campus, Near Pumping Station, Gangapur Road, Nashik-13.
RSM POLY
Affiliated to MSBTE Mumbai, Approved by AICTE New Delhi, DTE Mumbai & Govt. of Maharashtra, Mumbai.
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RSM POLY NEWSLETTER – MAY & JUNE 2020

ABOUT MVP SAMAJ

The **Maratha Vidya Prasarak Samaj** is one of the most prestigious centers of learning in the State of Maharashtra. It manages 485 educational units and is one of the premier educational hubin the Nashik district.

At present, more than 2 lakhs of students are pursuing education. Over past 105 years, the institute has stood the test of time to become legend of unparalleled stature. History says that the credit for the birth of M.V.P. Samaj goes to the young, enthusiastic & devoted team of social workers and educationists who were inspired by the lives of Mahatma Jyotiba Phule, Savitribai Phule and Rajarshi Shahu Maharaj of Kolhapur. These young leading lights include Karmaveer Raosaheb Thorat, Bhausaheb Hire, Kakasaheb Wagh, Annasaheb Murkute, Ganpat Dada More, D. R. Bhonsale, Kirtiwanrao Nimbalkar and Vithoba Patil Khandalaskar, who laid the foundation of the Samaj. They were the men who envisioned the culture and knowledge centric society. The great visionaries of MVP Samaj rightly laid the "Wellbeing and happiness of masses" as the motto for the samaj.

ABOUT RSM POLYTECHNIC

The **Rajarshi Shahu Maharaj Polytechnic** has been established in the year 2008, at the central place in Nashik. It is affiliated to MSBTE, Mumbai and approved by Government of Maharashtra, DTE Mumbai and the AICTE, New Delhi. The Polytechnic is in the process of Accreditation and Gradation. The Polytechnic has well-equipped and well furnished laboratories, workshop and hostel facilities. Every department has separate computational facilities along with LAN, Wi-Fi and necessary software. At present the RSM Polytechnic provides three-year courses leading to Diploma in Engineering of MSBTE, Mumbai in the five disciplines: Mechanical Engineering, Computer Technology, Electronics and Telecommunication Engineering, Information Technology and Electrical Engineering.

VISION AND MISSION

VISION:

- To Empower the Common Masses by providing Quality Technical Education.

MISSION:

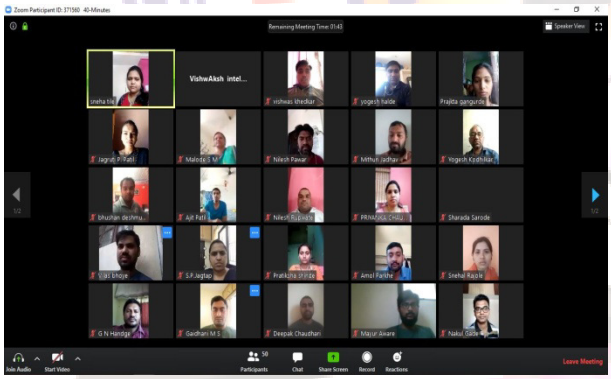
- To create and implement innovative best practices to achieve academic excellence.
- To enhance the overall development of students by imparting essential skills.
- To inculcate principles of professional activities by promoting industry institute interaction and entrepreneurial skills.
- To create an environment awareness for sustainable development.

MVP RSM Polytechnic

1. Death Anniversary of Rajarshi Shahu Maharaj (6th May 2020)

A Death Anniversary of Rajarshi Shahu Maharaj was celebrated in the institute by faculties and supporting staff members.

2. Workshop on WordPress Blog (30th Apr 2020 to 2nd May 2020)



Information Technology department had organized Online State Level WorkShop on wordPress. It was attended by faculty and staff members of RSM Polytechnic. E-certificates were provided to all the participants after successful completion of online test and feedback had also taken.

3. MVPS' RSM Alumni Association Meet (6th June 2020)

MVPS's RSM Alumni Association Meet was organized by MVPS's RSM Polytechnic. It was held online due to Covid-19 pandemic lockdown situation. It was coordinated by Prof. N. A. Gade, Alumni Coordinator.

4. Online FDP on Emerging Trends in Refrigeration and Air-Conditioning (8th June 2020 to 12th June 2020)

The Online State Level FDP on Emerging Trends in Refrigeration and Air-Conditioning was organized by Department of Mechanical Engineering in association with ISHRAE Nashik Chapter. It was coordinated by Prof. B. S. Deshmukh.

5. Birth Anniversary of Rajarshi Shahu Maharaj (26th June 2020)

The Birth Anniversary of Rajarshi Shahu Maharaj was celebrated in the institute by faculties and supporting staff members.

RSM Alumni Association Activities

- **Webinar on Different Topics by Alumni of RSM (1st May 2020 to 31th May 2020)**

S. N.	Date	Topic	Resource Person
1	04/05/20	Arduino Basics	Mr. Mohit Kirve
2	11/05/20	Entrepreneur ship Development	Mr. Rohan Kakulate
3	13/05/20	SCADA IoT Integration	Ms. Kranti Proje
4	15/05/20	Competitive Exams	Ms. Shirnisha Kore
5	16/05/20	Website Development	Mr. Harshwardh an Sonawane
6	19/05/20	Machine Leary	Prof. Nitin Ujgare
7	23/05/20	Entrepreneur ship Development	Mr. Vaibhav Kapadane
8	28/05/20	Placement Preparation	Ms. Rashmi Shewale
9	12/06/20	Data Science & Implementation	Mr. Shubham Nere

The Webinars on Different topics under RSM Alumni Association were attended by faculties and students of MVPS's RSM Polytechnic. Webinars were delivered by alumni of RSM Polytechnic of different branches. It was organized and coordinated by Prof. N. A. Gade, Alumni Coordinator under guidance of Principal Dr. D. B. Uphade.

NEWSLETTER: MAY & JUNE 2020

Mechanical Engineering Department			Computer Technology Department		
SN	Activities	Date(s)	SN	Activities	Date(s)
1	Table of Workshops/ Webinars/ FDPs/ IVs	1st May to 30th Jun 2020	1	Table of Workshops/ Webinars/ FDPs/ IVs	1st May to 30th Jun 2020
Information Technology Department			**Electrical Engineering Department**		
1	Table of Workshops/ Webinars/ FDPs/ IVs	1st May to 30th Jun 2020	1	Table of Workshops/ Webinars/ FDPs/ IVs	1st May to 30th Jun 2020
E & TC Engineering Department			**Department of Science and Humanity**		
1	Table of Workshops/ Webinars/ FDPs/ IVs	1st May to 30th Jun 2020	1	Table of Workshops/ Webinars/ FDPs/ IVs	1st May to 30th Jun 2020

Department of Mechanical Engg.

1. Workshops/Seminars/FDPs/IVs

Sr #	Faculty/Staff	Title of FDP/Webinar	FDP / Webinar	Organizer	Duration
1	Mr. B.S.Deshmukh	NBA Accreditation of Engineering Programs	FDP	NITTTR Chandigarh	11/05/2020- 15/05/2020
2	Mr.B.S.Deshmukh	MATLAB	FDP	NITTTR Chandigarh	18/05/2020-22/05/2020
3	Mr.B.S.Deshmukh	Wordpress	FDP	MVPS's R. S. M. Polytechnic Nashik	30/04/2020- 02/05/2020
4	Mr.B.S.Deshmukh	Outcome Based Education & Pedagogical management in Engg. Education.	Webinar	MVPS's K.B.T. College of Engineering Nashik	12/05/2020-12/05/2020
5	Mr.B.S.Deshmukh	Additive Manufacturing (3D Printing)	Webinar	Pune VidyarthiGriha's College of Engineering, Nashik	21/05/2020
6	Mr.B.S.Deshmukh	Role of GD & T in the age of Manufacturing	Webinar	KVNN LGMIEE Nashik	21/05/2020
7	Mr.B.S.Deshmukh	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
8	Mr.B.S.Deshmukh	Innovative Teaching Pedagogy in the technical institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
9	Mr.B.S.Deshmukh	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
10	Mr. Y. M. Halde	Wordpress	FDP	MVPS's R. S. M. Polytechnic Nashik	30/04/2020- 02/05/2020

11	Mr. Y. M. Halde	Covid-19 Effect on Education Sector	Webinar	Amrutvahini COE, Sangamner (Sangamner Chapter)	10/05/2020
12	Mr. Y. M. Halde	Outcome Based Education & Pedagogical management in Engg. Education.	Webinar	MVPS's K.B.T. College of Engineering, Nashik	12/05/2020-12/05/2020
13	Mr. Y. M. Halde	Additive Manufacturing (3D Printing)	Webinar	Pune Vidyarthi Griha's College of Engineering, Nashik	21/05/2020
14	Mr. Y. M. Halde	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
15	Mr. Y. M. Halde	Innovative Teaching Pedagogy in the technical institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020 - 5/6/2020
16	Mr. Y. M. Halde	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020 - 12/6/2020
17	Mr. N. S. Mogare	NBA Accreditation of Engineering Programs	FDP	NITTTR Chandigarh	11/05/2020 - 15/05/2020
18	Mr. N. S. Mogare	Wordpress	FDP	MVPS's RS.M Polytechnic, Nashik	30/04/2020- 02/05/2020
19	Mr. N. S. Mogare	Outcome Based Education & Pedagogical management in Engg. Education.	Webinar	MVPS's K.B.T. College of Engineering Nashik	12/05/2020 - 12/05/2020
20	Mr. N. S. Mogare	Cyber security for online education tools	Webinar	K KWagh Polytechnic, Nashik	20/05/2020
21	Mr.Y.R.Kodhilkar	Entrepreneurship and Policy 2017	FDP	NITTTR, Chandigarh	11/05/2020 - 15/05/2020
22	Mr.Y.R.Kodhilkar	MATLAB	FDP	NITTTR, Chandigarh	18/05/2020 -22/05/2020
23	Mr.Y.R.Kodhilkar	Wordpress	FDP	MVPS's RSM. Polytechnic, Nashik	30/04/2020- 02/05/2020
24	Mr.Y.R.Kodhilkar	CIM CNC	FDP	NITTTR, Chandigarh	25/05/2020-29/05/2020
25	Mr.Y.R.Kodhilkar	Outcome Based Education & Pedagogical management in Engg. Education.	Webinar	MVPS's K.B.T. College of Engineering Nashik	12/05/2020
26	Mr.Y.R.Kodhilkar	Additive Manufacturing (3D Printing)	Webinar	Pune Vidyarthi Griha's College of Engineering, Nashik	21/05/2020
27	Mr.Y.R.Kodhilkar	Role of GD & T in the age of Manufacturing	Webinar	KVNN LGMIEE, Nashik	21/05/2020
28	Mr.Y.R.Kodhilkar	Ansys basic	Webinar	Ansys Software Pvt. Ltd., Pune	04/05/2020-07/05/2020
29	Mr.Y.R.Kodhilkar	VR / AR Introduction & appliances	Webinar	Amrutvahini COE, Sangamner	26/5/2020
30	Mr.Y.R.Kodhilkar	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020 - 5/6/2020
31	Mr.Y.R.Kodhilkar	Innovative Teaching Pedagogy in the technical institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020 - 5/6/2020
32	Mr.Y.R.Kodhilkar	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020 - 12/6/2020

33	Mr. M. S. Aware	Entrepreneurship and Policy 2017	FDP	NITTTR, Chandigarh	11/05/2020-15/05/2020
34	Mr. M. S. Aware	MATLAB	FDP	NITTTR, Chandigarh	18/05/2020-22/05/2020
35	Mr. M. S. Aware	CIM CNC	FDP	NITTTR, Chandigarh	25/05/2020-29/05/2020
36	Mr. M. S. Aware	Wordpress	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020- 02/05/2020
37	Mr. M. S. Aware	Outcome Based Education & Pedagogical management in Engg. Education.	Webinar	MVPS's K.B.T. College of Engineering Nashik	12/05/2020-12/05/2020
38	Mr. M. S. Aware	Ansys basic	Webinar	Abhimanyu Singh Ansys Software Pvt. Ltd. Pune	04/05/2020-07/05/2020
39	Mr. M. S. Aware	Overview and Trends in Ansys Structures	Webinar	Ravi RajanAnsys Software Pvt. Ltd. Pune	21/05/2020
40	Mr. M. S. Aware	Robotics	FDP	MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
41	Mr. M. S. Aware	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
42	Mr. M. S. Aware	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
43	Mr. C. P. Gaikwad	MATLAB	FDP	NITTTR, Chandigarh	18/05/2020-22/05/2020
44	Mr. C. P. Gaikwad	CIM CNC	FDP	NITTTR, Chandigarh	25/05/2020-29/05/2020
45	Mr. C. P. Gaikwad	Outcome Based Education & Pedagogical management in Engg. Education.	Webinar	MVPS's K.B.T. College of Engineering Nashik	12/05/2020-12/05/2020
46	Mr. C. P. Gaikwad	Role of GD & T in the age of Manufacturing	Webinar	KVNN LGMIEE, Nashik	21/05/2020
47	Mr. C. P. Gaikwad	Overview of HVAC designing	Webinar	Amrutvahini COE, Sangamner	20/05/2020
48	Mr. C. P. Gaikwad	VR / AR Introduction & appliances	Webinar	Amrutvahini COE, Sangamner	26/5/2020
49	Mr. C. P. Gaikwad	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
50	Mr. C. P. Gaikwad	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
51	Mr. C. P. Gaikwad	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
52	Mr. M. S. Gaidhani	Drupal	FDP	MAEER's MIT Polytechnic, Pune	30/04/2020 - 07/05/2020
53	Mr. M. S. Gaidhani	MATLAB	FDP	NITTTR Chandigarh	18/05/2020-22/05/2020
54	Mr. M. S. Gaidhani	CIM CNC	FDP	NITTTR Chandigarh	25/05/2020-29/05/2020
55	Mr. M. S. Gaidhani	Outcome Based Education & Pedagogical management in Engg. Education.	Webinar	MVPS's K.B.T. College of Engineering Nashik	12/05/2020-12/05/2020

56	Mr. M. S. Gaidhani	Additive Manufacturing (3D Printing)	Webinar	Pune Vidyarthi Griha's College of Engineering, Nashik	21/05/2020
57	Mr. M. S. Gaidhani	Expansion Valves used in Refrigeration and Air Conditioning systems	Webinar	MVPS's K.B.T. College of Engineering Nashik	05/05/2020
58	Mr. M. S. Gaidhani	INDUSTRY 4.0	Webinar	MVPS's K.B.T. College of Engineering Nashik	07/05/2020
59	Mr. M. S. Gaidhani	Condition Monitoring	Webinar	MVPS's K.B.T. College of Engineering Nashik	17/05/2020
60	Mr. M. S. Gaidhani	Post Pandemic Challenges (COVID-19	Webinar	Vishwakarma Institute of Information Technology, Kondhwa	23/05/2020
61	Mr. M. S. Gaidhani	FEM Modeling of Eigenstrain in Heterogeneous Media	Webinar	Ansys	26/05/20
62	Mr. M. S. Gaidhani	Understanding the Universe with Scientific Temperament	Webinar	JSPM's B.S. IOT, WAGHOLI, PUNE	29/05/2020
63	Mr. M. S. Gaidhani	Coordinate Condition Monitoring	Webinar	Imperial COE, Wagholi, Pune.	31/05/2020
64	Mr. M. S. Gaidhani	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
65	Mr. M. S. Gaidhani	Innovative Teaching Pedagogy in the technical institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
66	Mr. M. S. Gaidhani	Parametric Modeling using PTC Creo	FDP	Sanjivani College of Engineering, Kopargaon	3/6/2020-9/6/2020
67	Mr. M. S. Gaidhani	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
68	Mr.D.U. Chaudhari	Wordpress	FDP	MVPS's R. S. M. Polytechnic Nashik	30/04/2020- 02/05/2020
69	Mr.D.U.Chaudhari	Embedded Processing Techniques	FDP	NITTTR Chandigarh	18/05/2020-22/05/2020
70	Mr.D.U.Chaudhari	Research Trends In VLSI	FDP	NITTTR Chandigarh	25/05/2020-29/05/2020
71	Mr.D.U.Chaudhari	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
72	Mr.D.U.Chaudhari	Innovative Teaching Pedagogy in the technical institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
73	Mr.D.U.Chaudhari	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
74	Mr.N.B.Rupwate	Wordpress	FDP	MVPS's R. S. M. Polytechnic Nashik	30/04/2020- 02/05/2020
75	Mr.N.B.Rupwate	CIM CNC	FDP	NITTTR Chandigarh	25/05/2020-29/05/2020
76	Mr.N.B.Rupwate	Geotechnical Engineering Laboratory	Webinar	MVPS's K.B.T. College of Engineering Nashik	26/05/2020

77	Mr.N.B.Rupwate	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
78	Mr.N.B.Rupwate	Innovative Teaching Pedagogy in the technical institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
79	Mr.N.B.Rupwate	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
80	Mr.Y.B.Kshirsagar	Wordpress	FDP	MVPS's R. S. M. Polytechnic Nashik	30/04/2020- 02/05/2020
81	Mr.Y. B.Kshirsagar	CIM CNC	FDP	NITTTR Chandigarh	25/05/2020-29/05/2020
82	Mr.Y.B.Kshirsagar	Geotechnical Engineering Laboratory	Webinar	MVPS's K.B.T. College of Engineering Nashik	26/05/2020
83	Mr.Y.B.Kshirsagar	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
84	Mr.Y.B.Kshirsagar	Innovative Teaching Pedagogy in the technical institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
85	Mr.Y.B.Kshirsagar	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
86	Mr. N. A. Pawar	Wordpress	FDP	MVPS's R. S. M. Polytechnic Nashik	30/04/2020- 02/05/2020
87	Mr. N. A. Pawar	CIM CNC	FDP	NITTTR Chandigarh	25/05/2020-29/05/2020
88	Mr. N. A. Pawar	Geotechnical Engineering Laboratory	Webinar	MVPS's K.B.T. College of Engineering Nashik	26/05/2020
89	Mr. N. A. Pawar	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
90	Mr. N. A. Pawar	Innovative Teaching Pedagogy in the technical institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
91	Mr. N. A. Pawar	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
92	Mr. M. A. Jadhav	Wordpress	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020- 02/05/2020
93	Mr. M. A. Jadhav	CIM CNC	FDP	NITTTR Chandigarh	25/05/2020-29/05/2020
94	Mr. M. A. Jadhav	Geotechnical Engineering Laboratory	Webinar	MVPS's K.B.T. College of Engineering Nashik	26/05/2020
95	Mr. M. A. Jadhav	Robotics	FDP	MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
96	Mr. M. A. Jadhav	Innovative Teaching Pedagogy in the technical institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
97	Mr. M. A. Jadhav	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020

Department of Computer Technology

1. Workshops/Seminars/FDPs/IVs

SN	Faculty/Staff	Title of FDP/Webinar	FDP / Webinar	Organizer	Duration
1	Mr. P. D. Boraste	NBA Accreditation of Engineering Programs	FDP	NITTTR Chandigarh	11/05/2020- 15/05/2020
2	Mr. P. D. Boraste	Drupal	FDP	MAEER's MIT Polytechnic, Pune	30/04/2020-07/05/2020
3	Mr. P. D. Boraste	Prayog - VLab	FDP	Vidyavardhini's College of Engineering & Technology and Virtual lab COEP.	18/05/2020- 27/05/2020
4	Mr. P. D. Boraste	Cyber Security	FDP	NITTTR, Chandigarh	18/05/2020- 22/05/ 2020
5	Mr. P. D. Boraste	ICT	FDP	MVPS's RS.M Polytechnic, Nashik	20/05/2020- 25/05/2020
6	Mr. P. D. Boraste	Wordpress	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020- 02/05/2020
7	Mr. P. D. Boraste	PHP with MYSQL	FDP	Amrutvahini Polytechnic, Sangamner	05/06/2020-09/06/2020
8	Mr. P. D. Boraste	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
9	Mr. P. D. Boraste	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
10	Mr. P. D. Boraste	PHP with MySql	FDP	Spoken Tutorial, IIT Bombay	5/6/2020-9/6/2020
11	Mrs. S. V. Sarode	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
12	Mrs. S. V. Sarode	ICT	FDP	MVPS's RSM Polytechnic, Nashik	20/05/2020- 25/05/2020
13	Mrs. S. V. Sarode	Data Science using R by NITTTR, Chandigarh	FDP	NITTTR, Chandigarh	18/5/2020 - 22/5/2020
14	Mrs. S. V. Sarode	Wordpress	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020- 02/05/2020
15	Mrs. S. V. Sarode	M/C learning using Python	FDP	SITRC, Nashik	21/5/2020 - 25/5/2020
16	Mrs. S. V. Sarode	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
17	Mrs. S. V. Sarode	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
18	Mrs. S. V. Sarode	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
19	Mr. G. N. Handge	Data Science using R by NITTTR, Chandigarh	FDP	NITTTR, Chandigarh	18/5/2020 - 22/5/2020
20	Mr. G. N. Handge	Drupal	FDP	MAEER's MIT Polytechnic, Pune	30/04/2020- 07/05/2020
21	Mr. G. N. Handge	Prayog - VLab	FDP	Vidyavardhini's College of Engineering & Technology and Virtual lab COEP.	18/05/2020- 27/05/ 2020

22	Mr. G. N. Handge	Cyber Security	FDP	NITTTR, Chandigarh	18/05/2020- 22/05/ 2020
23	Mr. G. N. Handge	Wordpress	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020- 02/05/2020
24	Mr. G. N. Handge	PHP with MYSQL	FDP	Amrutvahini Polytechnic, Sangamner	05/06/2020-09/06/2020
25	Mr. G. N. Handge	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	01/06/2020-05/06/2020
26	Mr. G. N. Handge	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
27	Mr. G. N. Handge	PHP with MySql	FDP	Spoken Tutorial, IIT Bombay	5/6/2020-9/6/2020
28	Mr. G. N. Handge	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
29	Ms. P. N. Patil	Data Science using R	FDP	NITTTR, Chandigarh	18/5/2020- 22/5/2020
30	Ms. P. N. Patil	Drupal	FDP	MAEER's MIT Polytechnic, Pune	30/04/2020- 07/05/2020
31	Ms. P. N. Patil	Wordpress	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020- 02/05/2020
32	Ms. P. N. Patil	Machine Learning and Python Programming	FDP	Sandip Institute of Technology and Research Center, Nashik	21/05/2020 -25/05/2020
33	Ms. P. N. Patil	Inovative trends in engineering and technology	FDP	Shree L. R. Tiwari College of Engg. and Tech. Thane	25/5/2020 – 29/5/2020
34	Ms. P. N. Patil	Cloud Computing and job Opportunities	Webinar	Marathwada Mitra Mandal's Institute of Technology, Pune	26/05/2020
35	Ms. P. N. Patil	Cyber Security for Online Eductaion Tools	Webinar	K. K. Wagh Polytechnic, Nashik	29/05/2020
36	Ms. P. N. Patil	e-Content Development Workshop for Teachers	Workshop	KKW Polytechnic, Nashik	1/6/2020-2/6/2020
37	Ms. P. N. Patil	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
38	Ms. P. N. Patil	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
39	Ms. P. N. Patil	Data Analytics with power BI	Webinar	KKW Polytechnic, Nashik	06/06/2020
40	Ms. P. N. Patil	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
41	Mr. R. S. Derle	Data Science using R	FDP	NITTTR, Chandigarh	18/5/2020-22/5/2020
42	Mr. R. S. Derle	Swift iOS Programming lang.	FDP	MET, Nashik	12/5/2020-16/5/2020
43	Mr. R. S. Derle	Machine learning using Python	FDP	SITRC, Nashik	21/5/2020-25/5/2020
44	Mr. R. S. Derle	Drupal	FDP	MAEER's MIT Polytechnic, Pune	30/4/2020-7/5/2020
45	Mr. R. S. Derle	Python	FDP	SKN Sinhgad COE, Pandharpur	18/5/2020-23/5/2020

46	Mr. R. S. Derle	Innovative Trends in Engineering and Technology	FDP	SLRCOE, Thane	25/5/2020-29/5/2020
47	Mr. R. S. Derle	Emerging Trends in Industry 4.0	FDP	JSPM's RSCOE.	18/5/2020- 29/5/2020
48	Mr. R. S. Derle	PHP with MYSQL	FDP	AV Polytechnic, Sangamner	05/06/2020- 09/06/2020
49	Mr. R. S. Derle	Robotics	FDP	eYantra Team of MVPS's RSM Polytechnic	1/6/2020-5/6/2020
50	Mr. R. S. Derle	eContect Development wrokshop	Workshop	KKW Polytechnic, Nashik	1/6/2020-2/6/2020
51	Mr. R. S. Derle	Problem Based Learning by RSCOE	FDP	JSPM's RSCOE, Pune	1/6/2020-5/6/2020
52	Mr. R. S. Derle	Project Guidance from Selection to Implementation	FDP	JSPM's RSCOE, Pune	1/6/2020-14/6/2020
53	Mr. R. S. Derle	Webinar on UG Project Management	Webinar	Dr. Idong Williams	11/5/2020
54	Mr. R. S. Derle	Drone Programming	Webinar	SIEM, Nashik	29/5/2020
55	Mr. R. S. Derle	Cyber Security	Webinar	KKW Polytechnic, Nashik	29/5/2020
56	Mr. R. S. Derle	WordPress	FDP	MVPS's RSM Polytechnic, Nashik	30/4/2020- 2/5/2020
57	Mr. R. S. Derle	e-Content Development Workshop for Teachers	Workshop	KKW Polytechnic, Nashik	1/6/2020-2/6/2020
58	Mr. R. S. Derle	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
59	Mr. R. S. Derle	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
60	Mr. R. S. Derle	Problem Based Learning	FDP	JSPM's Rajarshi Shahu College of Engineering, Pune.	1/6/2020-5/6/2020
61	Mr. R. S. Derle	PHP with MySql	FDP	Spoken Tutorial, IIT Bombay	5/6/2020-9/6/2020
62	Mr. R. S. Derle	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
63	Mrs.V.K.Bhamare	FDP on Wordpress	FDP	MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik	2/5/2020- 30/04/2020
64	Mrs.V.K.Bhamare	FDP on Machine Learning using R programming	FDP	NITTTR, Chandigarh	11/5/2020 - 15/5/2020
65	Mrs.V.K.Bhamare	FDP on DRUPAL	FDP	MAEERs MIT Polytechnic, Pune	30/4/2020 - 7/5/2020
66	Mrs.V.K.Bhamare	Webinar on Mental Health	Webinar	MVPs KBT COE	18/5/2020
67	Mrs.V.K.Bhamare	FDP Innovative trends in Engineering and Technology	FDP	SHREE L. R. TIWARI COLLEGE OF ENGINEERING	25/05/2020 -29/05/2020
68	Mrs.V.K.Bhamare	FDP Machine Learning using Python	FDP	SITRC, Nashik	21/5/2020 - 25/5/2020
69	Mrs.V.K.Bhamare	Webinar on Communication skills for a Charismatic Leader	Webinar	NPTEL	27/5/2020

70	Mrs.V.K.Bhamare	Two days eContent Development workshop	Workshop	KKW Polytechnic, Nashik	1/6/2020-2/6/2020
71	Mrs.V.K.Bhamare	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
72	Mrs.V.K.Bhamare	Data Analytics with power BI	Webinar	KKW Polytechnic, Nashik	06/06/2020
73	Mrs. J .P. Patil	FDP on Wordpress	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020 -02/05/2020
74	Mrs. J .P. Patil	FDP on Data Science using R	FDP	NITTTR, Chandigarh	11/05/2020 -15/05/2020
75	Mrs. J .P. Patil	FDP on Open Source Cyber Security tools	FDP	NITTTR, Chandigarh	18/05/2020 -22/05/2020
76	Mrs. J .P. Patil	FDP on innovative Trends In Engineering And Technology	FDP	Shree L. R. Tiwari College Of Engineering, Thane	25/05/2020 -29/05/2020
77	Mrs. J .P. Patil	Additive Manufacturing (3D Printing)	Webinar	Pune Vidyarthi Griha's College of Engineering, Nashik	21/05/2020
78	Mrs. J .P. Patil	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020 -5/6/2020

Department of Info. Technology

1. Workshops/Seminars/FDPs/IVs

SN	Faculty/Staff	Title of FDP/Webinar	FDP / Webinar	Organizer	Duration
1	Mr. V. K. Khedkar	Accreditation of Technical Education Programs	FDP	National Institute of Technical Teachers Training & Research, Chandigarh	11/5/2020 - 15/5/2020
2	Mr. V. K. Khedkar	Short Term Course on Big Data Analytics	FDP	NITTTR, Chandigarh	18/05/2020 - 22/05/2020
3	Mr. V. K. Khedkar	Smart Devices and IoT	Webinar	AWS	25/5/2020
4	Mr. V. K. Khedkar	IT automation: Improving speed, agility & productivity with open source solutions	Webinar	(RedHat) BrightTALK	27/5/2020
5	Mr. V. K. Khedkar	The Evolution of Automation	Webinar	(RedHat) BrightTALK	27/5/2020
6	Mr. V. K. Khedkar	Deep Dive in- Machine Learning with AWS Deep Racer	Webinar	AWS	28/5/2020
7	Mr. V. K. Khedkar	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
8	Mr. V. K. Khedkar	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
9	Mrs. S. S. Tile	Spoken Tutorial Technology	FDP	SKNCOE, Pune	18/05/2020-22/05/2020
10	Mrs. S. S. Tile	Machine learning using PYTHON	FDP	SITRC, Nashik	21/05/2020-25/05/2020

11	Mrs. S. S. Tile	Word Press	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020-02/05/2020
12	Mrs. S. S. Tile	FDP on Introduction intervention in wireless communication	FDP	NITTTR, Chandigarh	18/05/2020- 22/05/2020
13	Mrs. S. S. Tile	FDP on Data Processing and Data Visualization using Python	FDP	Priyadarshini COE, Nagpur	26/05/2020 - 30/05/2020
14	Mrs. S. S. Tile	FDP on Innovative trends in Engineering and Technology	FDP	Shree L. R. Tiwari College of Engg. and Tech. Thane	26/05/2020 - 30/05/2020
15	Mrs. S. S. Tile	FDP on Management Skills for Professional Teacher Excellence	FDP	NITTTR, Chandigarh	25/05/2020 - 29/05/2020
16	Mrs. S. S. Tile	Outcome based Education and Pedagogical Management in Engineering Education	Webinar	MVPS's K.B.T. College of Engineering Nashik	12/05/2020
17	Mrs. S. S. Tile	Online Electric Vehicles	Webinar	MVPS's K.B.T. College of Engineering, Nashik	14/05/2020
18	Mrs. S. S. Tile	Faculty Awareness Program on Outcome based Education and NBA Accreditation	Webinar	Sinhgad Institute of Technology, Pune	24/05/2020
19	Mrs. S. S. Tile	Mental Health	Webinar	MVPS's KBTCOE, Nashik	18/05/2020
20	Mrs. S. S. Tile	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
21	Mrs. S. S. Tile	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
22	Mr. A. P. Patil	FDP On R Programming	FDP	NITTTR, Chandigarh	11-05-2020 -15-05-2020
24	Mr. A. P. Patil	FDP on Innovative trends in Engineering and Technology	FDP	Shree L R Tiwari COE, Thane	21-05-2020-25-05-2020
25	Mr. A. P.Patil	FDP on Machine learning using Python	FDP	Sandip Institute of Technology and Research Center, Nashik	21-05-2020- 25-05-2020
26	Mr. A. P. Patil	googling google	Webinar	Bhagubai Mafatlal Polytechnic	26th May 2020
27	Mr. A. P. Patil	Brain Computer Interface	Webinar	Tanmay Dikshit	18th April 2020
28	Mr. A. P. Patil	Wordpress	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020 - 02/05/2020
29	Mr. A. P. Patil	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
30	Mr. A. P. Patil	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVPS's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
31	Mrs. M. B. Patil	FDP on Big Data Analytics	FDP	NITTTR, Chandigarh	18/05/2020 - 22/05/2020

32	Mrs. M. B. Patil	Model Learning Management System	FDP	SVERI's COE, Pandharpur and Spoken Tutorial Project, IIT	27/4/2020 - 3/5/2020
33	Mrs. M. B. Patil	Outcome based education and NBA Accreditation	FDP	Sinhagad Institute of Technology and Science, Narhe, Pune	9/5/2020
34	Mrs. M. B. Patil	Machine Learning using Python	FDP	Sandip Institute of Technology and Research Center, Nashik	21/5/2020 - 25/5/2020
35	Mrs. M. B. Patil	Usage of Technologies in Covid-19	FDP	Terna College of Engineering, Nerul, Navi Mumbai	28/5/2020 - 2/6/2020
36	Mrs. M. B. Patil	Artificial Immune System inspired computer security	webinar	G.H.Raisoni Institute of Business Management, Jalgaon	29/05/2020
37	Mrs. M. B. Patil	Wordpress	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020-02/05/2020
38	Mrs. M. B. Patil	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020 - 5/6/2020
39	Ms. S. S. Rajole	Word Press	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020-02/05/2020
40	Ms. S. S. Rajole	R Programminig	FDP	NITTTR, Chandigarh	11/05/2020-15/05/2020
41	Ms. S. S. Rajole	Machine Learning and Python Programming	FDP	Sandip Institute of Technology and Research Center, Nashik	21/05/2020 – 25/05/2020
42	Ms. S. S. Rajole	Drupal	FDP	MAEER's MIT Polytechnic, Pune	30/04/2020- 07/05/2020
43	Ms. S. S. Rajole	Inovative trends in Engineering and Technology	FDP	Shree L. R. Tiwari College of Engg. and Tech. Thane	25-5-2020 - 29-5-2020
44	Ms. S. S. Rajole	Cloud Computing and Job Opportunities	Webinar	Marathwada Mitra Mandal's Institute of Technology, Lohgaon	26-05-2020
45	Ms. S. S. Rajole	Cyber Security for Online Education tools	Webinar	K. K. Wagh Polytechnic, Nashik	29-05-2020
46	Ms. S. S. Rajole	e-Content Development Workshop for Teachers	Workshop	KKW Polytechnic	1/6/2020-2/6/2020
47	Ms. S. S. Rajole	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
48	Ms. S. S. Rajole	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
49	Ms. S. S. Rajole	Data Analytics with power BI	Webinar	KKW Polytechnic, Nashik	06/06/2020
50	Ms. S. S. Rajole	Health Awareness	Webinar	KSKW Cidco, Nashik	1/6/2020-6/6/2020
51	Ms. S. S. Rajole	Need of Digital Transformation	Webinar	KKW Polytechnic, Nashik	9/6/2020
52	Mrs. S. U. Shelke	R Programming	FDP	NITTTR, Chandigarh	15/05/2020 - 18/05/2020
53	Mrs. S. U. Shelke	FDP On Machine Learning and Python Programming	FDP	SITRC, Nashik	21/05/2020 - 25/05/2020
54	Mrs. S. U. Shelke	Innovative Trends in Engineering and Technology	FDP	Shree L. R. Tiwari College of Engg. and Tech. Thane	25/05/20 - 29/05/20
55	Mrs. S. U. Shelke	Outcome Based Education	Webinar	MVPS's K.B.T. College of	12/05/2020

		and Pedagogical Management in Engineering Education		Engineering Nashik	
56	Mrs. S. U. Shelke	Cyber Security for Online Education tools	Webinar	KKW Polytechnic, Nashik	29/05/20
57	Mrs. S. U. Shelke	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
58	Mrs. R. V. Shinde	Word Press	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020 - 02/05/2020
59	Mrs. R. V. Shinde	R Programming	FDP	NITTTR, Chandigarh	11/05/2020 - 15/05/2020
60	Mrs. R. V. Shinde	Machine Learning and Python Programming	FDP	SITRC Nashik	21/05/2020 - 25/05/2020
61	Mrs. R. V. Shinde	Innovative Trends in Engineering and Tech.	FDP	Shree L. R. Tiwari College of Engg. and Tech. Thane	25/05/2020 - 29/05/2020
62	Mrs. R. V. Shinde	Drupal	FDP	MAEER's MIT Polytechnic, Pune	30/04/2020 - 07/05/2020
63	Mrs. R. V. Shinde	Cloud Computing and job Opportunities	Webinar	Marathwada MitraMandal's Institute of Technology, Pune	26/05/2020
64	Mrs. R. V. Shinde	Cyber Security for Online Education tools	Webinar	KKW Polytechnic, Nashik	29/05/2020
65	Mrs. R. V. Shinde	e-Content Development Workshop for Teachers	Worksho p	KKW Polytechnic, Nashik	1/6/2020-2/6/2020
66	Mrs. R. V. Shinde	Robotics	FDP	MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
67	Mrs. R. V. Shinde	Data Analytics with power BI	Webinar	KKW Polytechnic, Nashik	06/06/2020
68	Mrs. R. V. Shinde	Health Awareness	Webinar	KSKW Cidco, Nashik	1/6/2020-6/6/2020
69	Mrs. R. V. Shinde	Need of Digital Transformation	Webinar	KKW Polytechnic, Nashik	9/6/2020

Department of Electrical Engg.

1. Workshops/Seminars/FDPs/IVs

SN	Faculty/Staff	Title of FDP/Webinar	FDP / Webinar	Organizer	Duration
1	Mrs. P. R. Gangurde	NBA Accreditation of Engineering Programs	FDP	NITTTR, Chandigarh	11/05/2020- 15/05/2020
2	Mrs. P. R. Gangurde	New challenges and issue of Indian Electricity Market for upcoming decade 2030	FDP	SITRC, Nashik and Mahavitran	11/05/2020- 15/05/2020
3	Mrs. P. R. Gangurde	FDP On Drupal	FDP	MIT Polytechnic, Pune	30/4/2020 - 7/5/2020
4	Mrs. P. R. Gangurde	Word Press	FDP	MVPS's RSM Polytechnic, Nashik	30-04-2020 -02-05-2020
5	Mrs. P. R. Gangurde	Innovative Trends in Engineering and Technology	FDP	Shree L. R. Tiwari College of Engg. and Tech. Thane	25/05/2020- 29/05/2020
6	Mrs. P. R. Gangurde	Excellence through Learn Management	Webinar	Dattakala group of Institution	26/5/2020
7	Mrs. P. R. Gangurde	Outcome Based Education	Webinar	Dattakala group of Institution	25/5/2020

8	Mrs. P. R. Gangurde	Scope of Electrical Engineering in EPC Industry	Webinar	PIEMR	24/5/2020
9	Mrs. P. R. Gangurde	Electricity Market & used of Block Chain in Power Sector	Webinar	PIEMR	23/5/2020
10	Mrs. P. R. Gangurde	Outcome Based Education & Pedagogical Management in Engineering Education	Webinar	MVPS's KBTCOE, Nashik	11/5/2020
11	Mrs. P. R. Gangurde	Airport Automation	Webinar	MVPS's KBTCOE, Nashik	3/5/2020
12	Mrs. P. R. Gangurde	e-Content Development Workshop for Teachers	Worksho p	KKW Polytechnic, Nashik	1/6/2020-2/6/2020
13	Mrs. P. R. Gangurde	Career Opportunities in Power Sector	Webinar	KKW Polytechnic, Nashik	03/06/2020
14	Mrs. P. R. Gangurde	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
15	Mrs. P. R. Gangurde	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
16	Mrs. P. R. Gangurde	Virtual lab use for Electrical Machines and PLC	FDP	SVERI College of Engineering, Pandharpur	15/6/2020-16/6/2020
17	Mr. A. S. Parkhe	Word Press	FDP	MVPS's RSM Polytechnic, Nashik	30-04-2020 -02-05-2020
18	Mr. A. S. Parkhe	OBE and NBA Process	FDP	RIT, Rajaramnagar	04/5/2020-8/5/2020
19	Mr. A. S. Parkhe	Electrical Design and Energy Bill Audit	FDP	RIT, Rajaramnagar	09-05-2020 -11-05-2020
20	Mr. A. S. Parkhe	New Challanges in Indian Electricity	FDP	SITRC, Nashik and Mahavitran	11-05-2020 -15-05-2020
21	Mr. A. S. Parkhe	Moderns Trends in Electric Drives	FDP	NIT, Nagpur	19-05-2020 -23-05-2020
22	Mr. A. S. Parkhe	Virtual Learning	FDP	MGR, Chennai	29-05-2020 -30-05-2020
23	Mr. A. S. Parkhe	Leadrship and Team work	FDP	NITTTR, Chandigrah	18-05-2020 -22-05-2020
24	Mr. A. S. Parkhe	NBA Process and Criteria1-9	FDP	RIT, Rajaramnagar	25-05-2020 -29-05-2020
25	Mr. A. S. Parkhe	Entrepreneurship	Webinar	Sandip Foundation	19-05-2020
26	Mr. A. S. Parkhe	OBE and Pedagogical Management	Webinar	KBTCOE	11-05-2020
27	Mr. A. S. Parkhe	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
28	Mr. A. S. Parkhe	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
29	Mr. A. S. Parkhe	Virtual lab use for Electrical Machines and PLC	FDP	SVERI College of Engineering, Pandharpur	15/6/2020-16/6/2020
30	Mr. S. S. Aher	Word Press	FDP	MVPS's RSM Polytechnic, Nashik	30-04-2020 -02-05-2020
31	Mr. S. S. Aher	Electric Industry Operations and Markets	FDP	Coursera	01/05/2020- 07/05/2020

32	Mr. S. S. Aher	Entrepreneurship and Start-Up Policies	FDP	NITTR, Chandigarh	11/05/2020 - 15/05/2020
33	Mr. S. S. Aher	New Challenges and issues of Indian Electricity market for upcoming decade 2030	FDP	Sandip Foundation, SITRC, Nasik	11- 15 May 2020
34	Mr. S. S. Aher	Innovative Trends in Engineering And Technology	FDP	Shree L. R. Tiwari College of Engineering,. Mira Road (E), Thane.	25-29 May 2020
35	Mr. S. S. Aher	Solar Energy and Energy Audit Bill	FDP	PCCOE, PUNE	25-27 May 2020
36	Mr. S. S. Aher	Airport Au-mation	Webinar	MVPS'S KBTCOE, Nashik	04/05/2020
37	Mr. S. S. Aher	Outcome Based Education & Pedagogical Management in Engineering Education	Webinar	MVPS'S KBTCOE, Nashik	12/05/2020
38	Mr. S. S. Aher	Mental Health	Webinar	MVPS'S KBTCOE, Nashik	18/05/2020
39	Mr. S. S. Aher	Electric Vehicle: Future of Au-mobile Industry"	Webinar	Shree Ramchandra College of Engineering, Pune	23/05/2020
40	Mr. S. S. Aher	Genius Code- Science of PEAK Performance	Webinar	Assistant Professor | Department of Production Engineering | AISSMS College of Engineering	26/05/2020
41	Mr. S. S. Aher	Outcome Based Education Software	Webinar	vmedulife	26/05/2020
42	Mr. S. S. Aher	Cyber Security for Online Education tools	Webinar	K. K. Wagh Polytechnic, Nashik	29/05/2020
43	Mr. S. S. Aher	Revised kVAh Billing System in Distribution Sec-r	Webinar	Maulana Mukhtar Ahmad Nadvi Technical Campus, Malegaon	28/05/2020
44	Mr. S. S. Aher	Holistic approach -wards Reactive Power & Harmonic Management - avail maximum benefits of kVAH billing	Webinar	K. K. Wagh Institute of Engineering, Nashik	30/05/2020
45	Mr. S. S. Aher	Design of Transformers	Webinar	Department of Electrical Engineering, AnnasahebDange College of Engineering and Technology, Ashta	31/05/2020
46	Mr. S. S. Aher	Advanced Digital Content Creation tools & Techniques for Education	Webinar	AISSMS College of Engineering	31/05/2020
47	Mr. S. S. Aher	e-Content Development Workshop for Teachers	Workshop	KKW Polytechnic, Nashik	1/6/2020-2/6/2020
48	Mr. S. S. Aher	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
49	Mr. S. S. Aher	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
50	Mr. S. S. Aher	Virtual lab use for Electrical Machines and PLC	FDP	SVERI College of Engineering, Pandharpur	15/6/2020-16/6/2020

51	Mrs. P. A. Shinde	e-Content Development Workshop for Teachers	Workshop	KKW Polytechnic, Nashik	1/6/2020-2/6/2020
52	Mrs. P. A. Shinde	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
53	Mrs. P. A. Shinde	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
54	Mrs. P. A. Shinde	Virtual lab use for Electrical Machines and PLC	FDP	SVERI College of Engineering, Pandharpur	15/6/2020-16/6/2020
55	Ms.S. S.Sangamnere	Wordpress	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020-02/05/2020
56	Ms.S. S.Sangamnere	Leadership and Teamwork for performance Excellence	FDP	NITTTR, Chandigrah	18/05/2020 - 22/05/2020
57	Ms.S. S.Sangamnere	Innovative Trends In Engg. And Technology	FDP	Shree L.R.Tiwari College of Engg.	25/05/2020 - 29/05/2020
58	Ms.S. S.Sangamnere	Virtual Teaching- Learning Moodle the Efficient way	FDP	Dr.M.G.R Educational and Research Institute	29/05/2020-30/05/2020
59	Ms.S. S.Sangamnere	Airport Au-mation(Baggage Handling System)	Webinar	MVPS'S KBTCOE, Nashik	5/5/2020
60	Ms.S. S.Sangamnere	Outcome Based Education & Pedagogical Management in Engineering Education	Webinar	MVPS'S KBTCOE, Nashik	12/5/2020
61	Ms.S. S.Sangamnere	Mental Health	Webinar	MVPS'S KBTCOE, Nashik	18/5/2020
62	Ms.S. S.Sangamnere	Power Electronics Application - Power System	Webinar	Government College of Engineering, Amravati	22/5/2020
63	Ms.S. S.Sangamnere	Cyber Security for Online Education Tools	Webinar	K.K.Wagh Polytechnic, Nashik	29/5/2020
64	Ms.S. S.Sangamnere	Leadership Development in Women Professional Entrants	Webinar	AISSMS COE, Pune	30/5/2020
65	Ms.S. S.Sangamnere	Innovative Teaching Pedagogy in technical Institution	FDP	MVPS'S KBTCOE, Nashik	01/06/2020 - 05/06/2020
66	Ms.S. S.Sangamnere	eContent Development Workshop	Workshop	K.K.Wagh Polytechnic, Nashik	01/06/2020 -02/06/2020
67	Ms.S. S.Sangamnere	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
68	Ms.S. S.Sangamnere	Virtual lab use for Electrical Machines and PLC	FDP	SVERI College of Engineering, Pandharpur	15/6/2020-16/6/2020
69	Mr. R. E. Ahire	Wordpress	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020-02/05/2020
70	Mr. R. E. Ahire	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020

Department of E & TC Engg.

1. Workshops/Seminars/FDPs/IVs

SN	Faculty/Staff	Title of FDP/Webinar	FDP / Webinar	Organizer	Duration
1	Mr. S. N. Shelke	NBA Accreditation of Engineering Programs	FDP	NITTTR, Chandigarh	11/05/2020-15/05/2020
2	Mr. S. N. Shelke	Technological Interventions Using Wireless Comm.	FDP	NITTTR, Chandigarh	18/05/2020-22/05/2020
3	Mr. S. N. Shelke	Innovative Trends in Engineering and Technology	FDP	Shree L. R. Tiwari College of Engg. and Tech. Thane	25/05/2020-29/05/2020
4	Mr. S. N. Shelke	Wordpress	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020-02/05/2020
5	Mr. S. N. Shelke	Outcome Based Education & Pedagogical Management in Engg. Education.	Webinar	MVPS's K.B.T. College of Engineering, Nashik	12/05/2020-12/05/2020
6	Mr. S. N. Shelke	Satellite Communication	Webinar	HSBPVT's COE, Kashti	30/05/2020-30/05/2020
7	Mr. S. N. Shelke	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
8	Mr. S. N. Shelke	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020 -5/6/2020
9	Mr. S. N. Shelke	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
10	Ms.P.G. Deshmukh	Technological Interventions Using Wireless Comm.	FDP	NITTTR Chandigarh	18/05/2020-22/05/2020
11	Ms.P.G. Deshmukh	Wordpress	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020-02/05/2020
12	Ms.P.G. Deshmukh	Innovative Trends in Engineering and Technology	FDP	Shree L. R. Tiwari College of Engg. and Tech. Thane	25/05/2020-29/05/2020
13	Ms.P.G. Deshmukh	Outcome Based Education & Pedagogical Management in Engg. Education.	Webinar	MVPS's K.B.T. College of Engineering Nashik	12/05/2020-12/05/2020
14	Ms.P.G. Deshmukh	IT and IPR 2020	Webinar	Shree L. R. Tiwari College of Engg. and Tech. Thane	05/05/2020-08/05/2020
15	Ms.P.G. Deshmukh	Satellite Communication	Webinar	HSBPVT's COE, Kashti	30/05/2020-30/05/2020
16	Ms.P.G. Deshmukh	Airport Automation Baggage Handling System	Webinar	MVPS's K.B.T. College of Engineering Nashik	03/05/2020-03/05/2020
17	Ms.P.G. Deshmukh	Cyber security for Online Education tool	Webinar	KKW Polytechnic, Nashik	29/05/2020-29/05/2020
18	Ms.P.G. Deshmukh	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020

19	Ms.P.G. Deshmukh	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
20	Ms.P.G. Deshmukh	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
21	Ms.P.G. Deshmukh	IoT and Manufacturing using IoT	Webinar	Suryoday College of Engineering and Technology, Nagpur	8/6/2020-13/6/2020
22	Mrs. P.R.Chaudhari	WORDPRESS	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020-02/05/2020
23	Mrs. P.R.Chaudhari	Outcome Based Education & Pedagogical Management in Engineering Education	Webinar	MVPS's KBTCOE, Nashik	11/05/2020
24	Mrs. P.R.Chaudhari	FDP on Arduino	FDP	Jaihind College of Engineering, Kuran, Pune	19/05/2020-24/05/2020
25	Mrs. P.R.Chaudhari	FDP on Leadership and Teamwork for Quality Improvement	FDP	NITTTR, Chandigarh	18/05/2020-22/05/2020
26	Mrs. P.R.Chaudhari	FDP on Innovative Trends in Engineering and Tech.	FDP	Shree. L. R. Tiwari College of Engineering	25/05/2020-29/05/2020
27	Mrs. P.R.Chaudhari	Satellite Communication	Webinar	HSBPVT's Parikrama G.O.I. College of Engineering, Kashti	30/05/2020
28	Mrs. P.R.Chaudhari	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020
29	Mrs. P.R.Chaudhari	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
30	Mrs. P.R.Chaudhari	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
31	Mr. S. A. Suryawanshi	Entrepreneurship & Start up policies-2017	FDP	NITTTR, Chandigarh	11/05/2020-15/05/2020
32	Mr. S. A. Suryawanshi	Technological Interventions Using Wireless Comm.	FDP	NITTTR, Chandigarh	18/05/2020-22/05/2020
33	Mr. S. A. Suryawanshi	Innovative Trends in Engineering and Technology	FDP	Shree L. R. Tiwari College of Engg. and Tech., Thane	25/05/2020-29/05/2020
34	Mr. S. A. Suryawanshi	WORDPRESS	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020-02/05/2020
35	Mr. S. A. Suryawanshi	Employability - A Startup Perspective	Webinar	NPTEL	08/05/2020-08/05/2020
36	Mr. S. A. Suryawanshi	Satellite Communication	Webinar	HSBPVT's College of Engineering Kashti	30/05/2020-30/05/2020
37	Mr. S. A. Suryawanshi	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020-5/6/2020

38	Mr. S. A. Suryawanshi	Innovative Teaching Pedagogy in the technical institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020-5/6/2020
39	Mr. S. A. Suryawanshi	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
40	Mrs. N. D. Athare	Faculty Development Program on ICT	FDP	MVPS's Rajarshi Shahu Maharaj Polytechnic,Nasshik	20/04/2020-25/04/2020
41	Mrs. N. D. Athare	WORDPRESS	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020-02/05/2020
42	Mrs. N. D. Athare	OBE & Pedagogical Management in Engineering Education	Webinar	MVPS's KBTCOE ,Nasshik	11/05/2020
43	Mrs. N. D. Athare	Mental Health	Webinar	MVPS's KBTCOE, Nasshik	18/05/2020
44	Mrs. N. D. Athare	Social Entrepreneurship for Technical Entrepreneurs	FDP	NITTTR, Chandigarh	18/05/2020-22/05/2020
45	Mrs. N. D. Athare	Communication skills for a Charismatic Leader	Webinar	NPTEL	27/05/2020
46	Mrs. N. D. Athare	Why you should write your own Resume	Webinar	NPTEL	28/05/2020
47	Mrs. N. D. Athare	Innovative trends in Engineering and Technology	FDP	Shree. L. R. Tiwari College of Engineering, Thane	25/05/2020-29/05/2020
48	Mrs. N. D. Athare	Webinar on Satellite Communication	Webinar	HSBPVT's Parikrama G.O.I. College of Engineering , Kashti	30/05/2020
49	Mrs. N. D. Athare	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020 - 5/6/2020
50	Mrs. N. D. Athare	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020 - 5/6/2020
51	Mrs. N. D. Athare	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020 - 12/6/2020
52	Mrs. C. K. Bhor	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
53	Mrs. C. K. Bhor	Robotics	FDP	eYanta Team of MVPS's RSM Polytechnic, Nashik.	1/6/2020 - 5/6/2020
54	Mrs. C. K. Bhor	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVP's KBT College of Engineering, Nashik.	1/6/2020 - 5/6/2020

Department of Science and Humanity

1. Workshops/Seminars/FDPs/IVs

Sr #	Faculty/Staff	Title of FDP/Webinar	FDP / Webinar	Organizer	Duration
1	Mr. T. K. Thange	Word Press	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020- 02/05/2020
2	Mr. T. K. Thange	NBA	FDP	NITTTR-CHANDIGHAR	11/05/2020 -15/05/2020
3	Mr. T. K. Thange	OBE and Pedagogy in Technical Education	Webinar	MVPS's KBTCOE, Nashik	12/05/2020
4	Mr. T. K. Thange	Mental Heath	Webinar	MVPS's KBTCOE, Nashik	18/05/2020
5	Mr. T. K. Thange	NBA	FDP	RIT, Sangali	25/05/2020 -29/05/2020
6	Mr. T. K. Thange	Operation Research	STC	NITTTR-CHANDIGHAR	25/05/2020 -29/05/2020
7	Mr. T. K. Thange	Mathematica Software	FDP	Santhiram College of Engineering, Nydal, A.P.	28/05/2020 -02/06/2020
8	Mr. T. K. Thange	GeoGebra	FDP	Yashwanrao Chavan College of Engineering, Nagpur	01/06/2020 -05/06/2020
9	Mr. T. K. Thange	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVPS's KBTCOE, Nashik	01/06/2020 -05/06/2020
10	Mr. T. K. Thange	Robotics	FDP	MVPS's RSM Polytechnic, Nashik	01/06/2020 -05/06/2020
11	Mr. T. K. Thange	e-Content Development Workshop for Teachers	Workshop	KKW Polytechnic, Nashik	1/6/2020-2/6/2020
12	Mr. T. K. Thange	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020
13	Ms. V. R. Patil	Wordpress	Workshop	MVPS's RSM Polytechnic, Nashik	30/04/2020-02/05/2020
14	Ms. V. R. Patil	Webinar on Mental Health	Webinar	MVPS's KBTCOE, Nashik	18/05/2020
15	Ms. V. R. Patil	Communication and Presentation Skills	STC	NITTTR,Chandigarh	18/05/2020 -22/05/2020
16	Ms. V. R. Patil	Outcome Based Curriculum	STC	NITTTR,Chandigarh	01/06/2020 -05/06/2020
17	Ms. V. R. Patil	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVPS's KBTCOE, Nashik	01/06/2020 -05/06/2020
18	Ms. V. R. Patil	Mathematica Software	FDP	Santhiram College of Engineering, Nydal, A.P.	28/05/2020 -02/06/2020
19	Ms. V. R. Patil	Robotics	FDP	MVPS's RSM Polytechnic, Nashik	01/06/2020 -04/06/2020
20	Ms. V. R. Patil	Outcome Based Curriculum	STC	NITTTR, Chandigarh	1/6/2020-5/6/2020
21	Ms. V. R. Patil	Emerging Trends in Refrigeration and Air-Conditioning	FDP	MVPS's RSM Polytechnic in association with ISHRAE, Nashik Chapter	8/6/2020-12/6/2020

22	Mrs. D. B. Mogal	Communication and Presentation Skills	STC	NITTTR,Chandigarh	18/05/2020 -22/05/2020
23	Mrs. D. B. Mogal	Word press	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020 - 02/05/2020
24	Mrs. D. B. Mogal	Robotics	FDP	MVPS's RSM Polytechnic, Nashik	1/06/2020 - 5/6/2020
25	Mrs. D. B. Mogal	Nanomaterials and Devices	STC	NITTTR, Chandigarh	25/05/2020 -29-05/2020
26	Mrs. S. V. Malode	Wordpress	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020 - 02/05/2020
27	Mrs. S. V. Malode	Outcome based Education and Pedagogical Management	Webinar	MVPS's KBTCOE, Nashik	12/05/2020
28	Mrs. S. V. Malode	Webinar on Mental Health	Webinar	MVPS's KBTCOE, Nashik	18/05/2020
29	Mrs. S. V. Malode	Communication and Presentation Skills	Webinar	NITTTR, Chandigarh	18/5/2020 - 22/5/2020
30	Mrs. S. V. Malode	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVPS's KBTCOE, Nashik	1/6/2020 - 5/6/2020
31	Mrs. S. V. Malode	Robotics	FDP	MVPS's RSM Polytechnic, Nashik	1/6/2020 - 4/6/2020
32	Mrs. S. P. Jagtap	Word press	FDP	MVPS's RSM Polytechnic, Nashik	3004/2020 -02/05/2020
33	Mrs. S. P. Jagtap	Webinar on Out Come Based Education	Webinar	MVPS's KBTCOE, Nashik	12/05/2020
34	Mrs. S. P. Jagtap	Webinar on Mental Health	Webinar	MVPS's KBTCOE, Nashik	18/05/2020
35	Mrs. S. P. Jagtap	Life Skill Development	STC	NITTTR, Chandigarh	18/05/2020 -22/05/2020
36	Mrs. S. P. Jagtap	FDP on Innovative trends in Engg& Technology.	FDP	L.R.TIWARI COE ,MUMBAI	25/05/2020 -29/05/2020
37	Mrs. S. P. Jagtap	Nanomaterials and Devices	STC	NITTTR, Chandigarh	25/05/2020 -29-05/2020
38	Mrs. S. P. Jagtap	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVPS's KBTCOE, Nashik	1/6/2020 - 5/6/2020
39	Mrs. S. P. Jagtap	Robotics	FDP	MVPS's RSM Polytechnic, Nashik	1/6/2020 - 5/6/2020
40	Mrs. S. P. Jagtap	Nano composite ION-conducting solid polymer Electrolyte material	Webinar	Vignan's Institute of Management and Technology for women, Ghatkesar, Hydrabad	10-06-2020
41	Mrs. P. V. Patil	Word press	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020 - 02/05/2020
42	Mrs. P. V. Patil	Out Come Based Education	Webinar	MVPS's KBTCOE, Nashik	12/05/2020
43	Mrs. P. V. Patil	Webinar on Out Come Based Education	Webinar	MVPS's KBTCOE, Nashik	18/05/2020
44	Mrs. P. V. Patil	Communication and Presentation Skills	STC	NITTTR, Chandigarh	18/5/2020 - 22/5/2020

45	Mrs. P. V. Patil	Nanomaterials and Devices	STC	NITTTR, Chandigarh	25/05/2020 - 29/5/2020
46	Mrs. P. V. Patil	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVPS's KBTCOE, Nashik	1/06/2020 - 5/06/2020
47	Mrs. P. V. Patil	e-Content Development Workshop for Teachers	Workshop	KKW Polytechnic, Nashik	1/6/2020-2/6/2020
48	Mrs. P. V. Patil	Robotics	FDP	MVPS's RSM Polytechnic, Nashik	1/06/2020 - 5/6/2020
49	Mrs. P. V. Patil	Mathematica Software	FDP	Santhiram College of Engineering, Nydal, A.P.	28/05/2020 -02/06/2020
50	Ms. A. A. Mogal	Word press	FDP	MVPS's RSM Polytechnic, Nashik	30/04/2020 - 02/05/2020
51	Ms. A. A. Mogal	Robotics	FDP	MVPS's RSM Polytechnic, Nashik	1/06/2020 - 5/6/2020
52	Ms. A. A. Mogal	Nanomaterials and Devices	STC	NITTTR, Chandigarh	25/05/2020 - 29/5/2020
53	Ms. A. A. Mogal	Life Skill Development	STC	NITTTR, Chandigarh	18-05-2020-22-05-2020
54	Mrs. K. B. Holkar	Word press	FDP	MVPS's RSM Polytechnic, Nashik	30-04-2020 -02-05-2020
55	Mrs. K. B. Holkar	Out Come Based Education	Webinar	MVPS's KBTCOE, Nashik	12-05-2020
56	Mrs. K. B. Holkar	Mental Health	Webinar	MVPS's KBTCOE, Nashik	18-05-2020
57	Mrs. K. B. Holkar	Life Skill Development	STC	NITTTR, Chandigarh	18-05-2020-22-05-2020
58	Mrs. K. B. Holkar	FDP on Innovative trends in Engg& Technology.	FDP	L.R.TIWARI COE, Thane	25-05-2020 -29-05-2020
59	Mrs. K. B. Holkar	Nanomaterials and Devices	STC	NITTTR, Chandigarh	25-05-2020 -29-05-2020
60	Mrs. K. B. Holkar	Innovative Teaching Pedagogy in the Technical Institution	FDP	MVPS's KBTCOE, Nashik	1/6/2020 - 5/6/2020
61	Mrs. K. B. Holkar	Robotics	FDP	MVPS's RSM Polytechnic, Nashik	1/6/2020 - 5/6/2020
62	Mrs. K. B. Holkar	Nano composite ION-conducting solid polymer Electrolyte material	Webinar	Vignan's Institute of Management and Technology for women, Ghatkesar, Hydrabad	10-06-2020

Trending Technology

What is PPE kit?

PPE, known as Personal Protective Equipment, is protective clothing such as masks, gloves, gown used to guard a person from the contagious diseases. PPE acts as a barrier between the person and the biological agent reducing the risk of getting infected. As COVID-19 grasped the world, PPE kit production has increased widely in India and around the world. PPE has become the need of the hour to combat the deadly pandemic. Moreover, it has also given an opportunity for India to rise from the economic crisis. Today, we produce at least 2 lakh kits on a daily basis. In his address to the nation, Prime Minister said, "When the Covid-19 started, not even a single PPE kit was manufactured in India, and only a few N95 masks were available. Today two lakh PPE kits and 2 lakh N95 masks are manufactured in India daily*

Why are PPE Kits Important?

As we all know, the corona virus mainly spreads through respiratory droplets that get created when

people cough, sneeze or exhale. It also gets transmitted by touching, by direct touch and through contaminated surfaces or objects and then touching their own mouth, nose, or possibly their eyes. The people who are in close contact with a suspect/confirmed COVID-19 patient or who care for such patients are at the highest risk of getting infected. Hence, PPE kit is important especially for healthcare workers and frontline workers to guard them against the virus. It breaks the chain of the virus preventing it from spreading further.

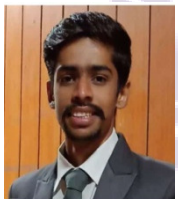
Personal Protective Equipment (PPE): Components

The components of PPE include

1) Goggles,
2) face-shield,
3) Gloves, mask,
4) coverall/gowns (with or without aprons),
5) Shoe cover and
6) Head cover.

Prof. S. S. Aher
Lecturer in EE Dept.

Interdisciplinary Skills of Engineering



Of course no engineer can be expert enough to deal with these issues on her or his own. An essential engineering skill is being able to recognise the limits of one's competencies and to procure expertise where necessary, working with people from different sectors and cultures. A project of this level of complexity and political sensitivity will never leave everyone happy. But it is a central feature of engineering projects that choices involve trade offs. Engineers must work in imperfect circumstances with competing demands. All of this demonstrates that engineers must be able face in many different directions. Engineering is not just understanding and applying scientific theory. I believe it's time to redefine the package that makes up the term 'engineering skills'.

We must all work to ensure that the public, especially young people understand the dynamic role of the professional engineer in making a difference and shaping the future of society. And engineering students need to be alert to the broader impacts of what they do.

We must teach our engineers to understand the workings of the worlds of business, politics and public policy. We must prepare students for real world problems in all their complexity. I firmly believe that opening minds to wider issues will help engineering departments, like our hosts here this evening, to continue to attract the very best students. Opening engineers' minds to these wider issues will also be of benefit to society.

My view is that engineers must be more involved in thinking through the relationship between their work and broader society. The motor car example shows how political and economic concerns outside engineering have had a profound impact on engineering. The BTC pipeline example shows that engineers can have an equally profound impact on politics and economics. Engineers cannot predict the future. But we *can* use our expertise to have a positive influence on that future.

Mast. Yash R. Shete
TYEE

Tribo Emasks and tribo electricity

A team of researchers at the Centre for Nano and Soft Matter Sciences (CeNS), Bangalore, an autonomous institute of the Department of Science and Technology (DST), have come up with a recipe for making face masks, termed as **TriboE Mask,** that can hold electric charges to restrict the entry of infections but interestingly, without any external power.

How they operate or work?

It relies on electrostatics. When two non-conducting layers are rubbed against each other, the layers develop positive and negative charges instantly and continue to hold the charges forsome time. This electric field, quite strong at proximity, is used to deactivate or possibly even kill the germs.

Key features of these masks:

1. The mask is three-layered –a layer of nylon cloth sandwiched between polypropylene layers, the latter sourced from commonly used non-woven grocery bags.
2. In place of nylon, silk fabric from an old saree or shawl may also be cut and used.

3. When layers are rubbed against each other, the outer layers develop negative charges, while nylon will hold the positive charges.
4. This will act as double electric wall protection against the infectious entities crossing.
5. As the mask is made out of commonly available fabrics, it can be washed just like any other cloth and can be reused

What is turboelectric effect?

Also known as **triboelectric charging**, it is a type of **contact electrification** on which certain materials become electrically charged after they are separated from a different material with which they were in contact.

Rubbing the two materials each with the other increases the contact between their surfaces, and hence the triboelectric effect.

Examples:

A very familiar example could be the rubbing of a plastic pen on a sleeve of almost any typical material like cotton, wool, polyester, or blended fabric used in modern clothing. Such an electrified pen would readily attract and pick up pieces of paper less than a square centimeter when the pen approaches. Also, such a pen will repel a similarly electrified pen.

About CeNS:

The Centre for Nano and Soft Matter Sciences (CeNS) is an autonomous research institute under Department of Science and Technology (DST), Government of India.

Difference between Bacteria & Virus:

Bacteria are single-celled, living organisms. They have a cell wall and all the components necessary to survive and reproduce, although some may derive energy from other sources

Viruses are not considered to be "living" because they require a host cell to survive long-term, for energy, and to reproduce.

Size of Bacteria is larger 1000nm & size of viruses is smaller 20-400 nm.

Ribosomes are present in bacteria & absent in viruses.

Under Microscope: Bacteria visible under light microscope & Viruses are visible under electron microscope. Treatment: Bacteria response to antibiotics viruses does not response to antibiotic

Ms. Deshmukh P.G.
Lecturer in E & TC department

Artificial Neural Networks based global Ionospheric Model (ANNIM)

Artificial Neural Networks based global Ionospheric Model (ANNIM) is used to predict the ionospheric electron density and the peak parameters. It has been developed using long-term ionospheric observations. Researchers from Indian Institute of Geomagnetism (IIG), Navi Mumbai, an autonomous institute of the Department of Science & Technology, Govt. of India, have developed a global model to predict the ionospheric electron density with larger data coverage a crucial need for communication and navigation.

How it works?

Artificial Neural Networks (ANNs) replicate the processes in the human brain (or biological neurons) to solve problems such as pattern recognition, classification, clustering, generalization, linear and nonlinear data fitting, and time series prediction. The target (output) of ANNs is the electron density as a function of altitude for any given location and time.

Description:

The ANNIM predictions done by the IIG team matched with the incoherent scatter radar and the satellite in situ electron density observations. Further, the ANNIM successfully reproduced large scale anomalies of the ionosphere.

The ANNIM also captured the general morphological features of the ionosphere during the disturbed space weather periods, such as geomagnetic storms which occurs when the magnetic cloud originated from Sun (known as Coronal Mass Ejection (CME)) interacts with the Earth's magnetosphere

Potential:

1. ANNIM has successfully reproduced large scale anomalies of the ionosphere.
2. It also captured the general morphological features of the ionosphere during disturbed space weather periods, such as geomagnetic storms which occurs when the magnetic cloud originated from Sun (known as Coronal Mass Ejection (CME)) interacts with the Earth's magnetosphere.
3. The model may be utilized as a reference model in the ionospheric predictions and has potential applications in calculating the Global Navigation Satellite System (GNSS) positioning errors.

Significance of the model

The ionospheric variability is greatly influenced by both solar originated processes and the neutral atmosphere origin, and therefore, difficult to model.

Scientists have tried to model the ionosphere using theoretical and empirical techniques; however, the accurate prediction of electron density is still a challenging task.

Tracking the variability of the Ionosphere is important for communication and navigation.

The basic idea behind dividing the global data in to smaller spatial grids is to reduce the spatial variability of data in each grid.

About:

ANNs replicate the processes in the human brain (or biological neurons) to solve problems such as:

- pattern recognition
- classification
- clustering
- generalization
- linear and nonlinear data fitting
- time series prediction

What is ionosphere?

A dense layer of molecules and electrically charged particles, called the ionosphere, hangs in the Earth's upper atmosphere starting at about 35 miles (60 kilometers) above the planet's surface and stretching out beyond 620 miles (1,000 km).

Ionosphere overlaps the mesosphere, thermosphere, and exosphere. It is a very active part of the atmosphere, and it grows and shrinks depending on the energy it absorbs from the sun.

How will it benefit?

It can capture the general morphological features of the ionosphere during the disturbed space weather periods, such as geomagnetic storms which occurs when the magnetic cloud originated from Sun (known as Coronal Mass Ejection (CME)) interacts with the Earth's magnetosphere.

The model may be utilized as a reference model in the ionospheric predictions and has potential applications in calculating the Global Navigation Satellite System (GNSS) positioning errors.

Ms. Sharvari Wani
SYEJ

Podcast

The dictionary definition of Podcast is:A digital audio file made available on the internet for downloading to a computer or mobile device, typically available as a series, new installments of which can be received by subscribers automatically. The term Podcast is actually portmanteau of iPod and Broadcast.

Simply put: a podcast is an audio programme,just like Talk Radio, but you subscribe to it on your smartphone and listen to it whenever you like. In a little more detail, a podcast is a series of spoken word, audioepisodes, all focused on a particular topic or theme like yoga or startups.

The Benefits of Podcasting

Podcasting is an Alternative to Video.
Increased Traffic Generation.
Helps in Building Better Relationships with the Audience.
Easy to Create.
Podcasts are Highly Engaging.
Improves Public Speaking Skills.

How to Create Podcast

- **Choose A Topic**:You want your podcast to be focused on a particular topic or niche like hiking.
- **Choose a name**: Choose a domain name for your podcast.
- **Length:**There are 5 minutes podcasts and there are 6-hour podcasts. Find whatever works for you and run with it.
- **Episode Format:**bunch of examples of different episode formats for popular podcasts.
  - easer
  - Intro Music
  - Welcome
  - Ad Spot
  - Interview
  - Call To Action ("Review us on iTunes!")
  - Outro Music
- **Create Cover Art**:Your cover art is the first impression most people will see as they browse through Apple Podcasts or their favorite podcast app.

- **Choose Intro Music**: It's easy to search, you get a full license, and they have a bunch of different styles.
- **Get A Microphone**: One of the most popular podcasting microphones is the Audio-Technica ATR2100x-USB (brand new version for 2020).It's both a USB microphone and has an XLR connection which lets you upgrade your recording equipment without needing a new mic.
- **Recording & Editing**: If you haven't used editing software before, even simple actions in **GarageBand** or **Audacity** can be quite intimidating. It's understandable, audio production is completely full of jargon!.**Alitu**is a 'podcast making' tool that automates a lot of the confusing technical parts
- **Create A Template:** Before you get started, it will be much easier if you create a template that you can reuse every time you record a podcast episode. What this means is that you will have your intro & outro music already placed, space for ad spots, as well as your tracks for your voice or an interviewee. Keep in mind this will look different depending on your episode format – create a podcast template that works for you. Open the template up, click File -> Save As, and save the file as my episode name
- **Record Your First Episode** :

Solo

If you're just recording a solo episode or want to record an intro to an interview you did, simply select the track you want to record to (see the light gray Podcast Audio track) and click the red Record button up top:

Multiple Hosts

If you have multiple hosts, you'll need to click Track -> Configure Track Header and check Record Enable. You'll click that button on each track you want to record, and then click the big record button up top.

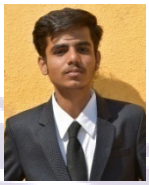
- **Remote Interview:** Many people use Skype for recording remote interviews and the easiest way to actually record the audio (or video) is with Ecamm Call Recorder For Skype (Mac only) or Pamela (for Windows).If you want better audio quality than Skype allows or a way to have individual audio files for more than 2 people, services like Squad cast are excellent. They are designed for remote recording and podcast interviews.
- **Launch!Get A Podcast Host:** Highly recommend podcast hosting site is Buzzsprout podcast hosting.Once you've signed up, you'll need to fill out some required information about your podcast (name, description, categories, etc.).
- **Submit To Apple Podcasts (iTunes):** Within Buzzsprout just click Apple Podcasts under the Directories tab and follow the steps they've put together. After that, grab your podcast RSS feed and submit to other podcast directories too. As you upload new episodes, your host will automatically update your RSS feed and any podcast directory you're listed on will also update with your new episode.
- Spread The Word: Use Buzzsprout's social sharing feature to generate teaser videos and start sharing!
- **Publishing Your Podcast with WordPress***:* You will need to login to the admin area of your WordPress site. First thing you need to do is install and activate the Blubrry PowerPress Podcasting plugin. Upon activation, you will see a PowerPress menu item in WordPress admin menu. Clicking on it will take you to plugin's settings page. If you are using Blubrry to host your podcasting files, then you need to click on the button to configure Blubrry statistics and hosting services.Clicking on the button will bring up a popup where you need to enter your Blubrry hosting account email and password. Next, you will need to fill out rest of the information on the settings page. Provide a title for your podcast and fill out iTunes fields.These iTunes fields for description, category, subtitle, artwork, etc will be used in your podcast's RSS feed, and iTunes will use them to place your podcast in their directory.Don't forget to click on the 'Save Changes' button to store your settings. Your WordPress site is now ready to publish your podcast. Before you publish a

podcast episode with WordPress, you first need to upload the podcast file to your media hosting service, Blubrry.You need to login to your Blubrry hosting account and then click on **Podcaster dashboard**.Next, you need to click on 'Upload New Media Files' link under the podcast hosting section.After you have uploaded your podcast media files, you will be able to use them on your WordPress site. Everything is now in order, and you are ready to add your first podcast in WordPress.To publish your first podcast, you need to go to Posts » Add New page.It is highly recommended that you create a separate category for your podcast episodes. This will allow you to keep your podcast episodes separate from rest of your content. You will also be able to easily publicize your podcast feed later on. After that, you need scroll down to the bottom of the page, and there you will see 'Podcast Episode' box.

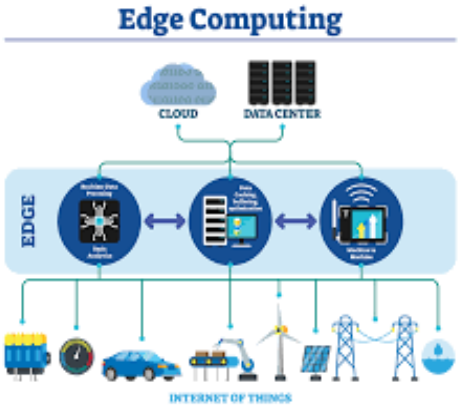
- Blubrry hosting users need to click on the folder icon and select the file they uploaded to Blubrry media.
- Other users need to paste their media file URL in here.
- Click the verify button to make sure that you have pasted the correct URL.
- Now you need to scroll back up to the post editor section.
- Give your blog post a suitable title and add a description of this podcast episode in the visual editor.
- You will notice two buttons in the visual editor labeled SPP and STP.
- These buttons are added by Smart Podcast Player plugin. The SPP button allows you to add the full Smart Podcast Player which contains all your podcast episodes. Users can play them one by one.

Mrs. V. K. Bhamare
Technical Asst., Computer Department

Edge computing



Edge computing is not a new concept, but the instance of machine learning and cloud computing has helped to drive in it. Edge computing enabling mobile computing and Internet of Things technologies, open IT architecture that features decentralized processing power. The origin of edge computing can be traced back to the 1990s, when Akamai launched its content delivery network (CDN). The idea back then was to introduce nodes at locations geographically closer to the end user for the delivery of cached content such as images and videos.In edge computing, data is processed by the device itself or by a server or local computer, rather than being transmitted to a data centre.It is also know as fog computing. Example of edge computing includes word wide range of technologies, mobile data acquisition, wireless sensor networks. Edge computing playing large role in sensors, production line machine, cameras, cars and industrial equipment industries. There are few advantages of edge computing like speed, security, scalability, versatility, reliability. Edge compute for 5G era net



works builds on innovations from many different parts of the information and communications technology (ICT) sector. Modern compute, storage and switching technologies are, of course, the hardware foundation of any type of cloud implementation. Industrial IOT and 5G Networks are some points making the Edge Computing Business Case. Edge computing solves a few problems related to the transfer of data for Internet of things (IoT) technologies, reduced load on networks, including latency, security and privacy, reduced data management costs, and disaster recovery. Edge computing is a key to high speed future due to its

advantages and connectivity with internet of things (IoT) and Cloud computing.

Mast. Dipkumar Hire
SYCM

Internet Of Things (IoT)

The Internet of Things, or IoT, refers to the billions of physical devices around the world that are now connected to the internet, all collecting and sharing data. Thanks to the arrival of super-cheap computer chips and the ubiquity of wireless networks, it's possible to turn anything, from something as small as a pill to something as big as an aeroplane, into a part of the IoT. Connecting up all these different objects and adding sensors to them adds a level of digital intelligence to devices that would be otherwise dumb, enabling them to communicate real-time data without involving a human being. The Internet of Things is making the fabric of the world around us more smarter and more responsive, merging the digital and physical universes.

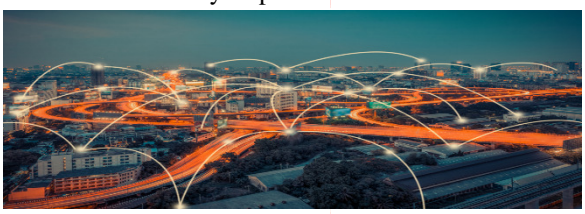
What is an example of an Internet of Things device?

Pretty much any physical object can be transformed into an IoT device if it can be connected to the internet to be controlled or communicate information. A light bulb that can be switched on using a smartphone app is an IoT device, as is a motion sensor or a smart thermostat in your office or a connected streetlight. An IoT device could be as fluffy as a child's toy or as serious as a driverless truck. Some larger objects may themselves be filled with many smaller IoT components, such as a jet engine that's now filled with thousands of sensors collecting and transmitting data back to make sure it is operating efficiently. At an even bigger scale, smart cities projects are filling entire regions with sensors to help us understand and control the environment. The term IoT is mainly used for devices that wouldn't usually be generally expected to have an internet connection, and that can communicate with the network independently of human action. For this reason, a PC isn't generally considered an IoT device and neither is a smartphone -- even though the latter is crammed with sensors. A smartwatch or a fitness band or other wearable device might be counted as an IoT device, however.

What is the history of the Internet of Things?

The idea of adding sensors and intelligence to basic objects was discussed throughout the 1980s and 1990s (and there are arguably some much earlier ancestors), but apart from some early projects -- including an internet-connected vending machine -- progress was slow simply because the technology wasn't ready. Chips were too big and bulky and there was no way for objects to communicate effectively.

Processors that were cheap and power-frugal enough to be all but disposable were needed before it finally became cost-effective to connect up billions of devices. The adoption of RFID tags-low-power chips that can communicate wirelessly-solved some of this issue, along with the increasing availability of broadband internet and cellular and wireless networking. The adoption of IPv6 -- which, among other things, should provide enough IP addresses for every device the world (or indeed this galaxy) is ever likely to need -- was also a necessary step for the IoT to scale.



Kevin Ashton coined the phrase 'Internet of Things' in 1999, although it took at least another decade for the technology to catch up with the vision.

Mrs. M. B. Patil
Lecturer-IF Dept.

Angular and React!!

Angular and React are JavaScript based Frameworks for creating modern web applications. Using React and Angular one can create a highly modular web app. So, you don't need to go through a lot of changes in your code base for adding a new feature.Angular and React also allows you to create a native mobile application with the same JS, CSS & HTML knowledge.Best part is it is Open source library with highly active community support.

Angular is a platform for building mobile and desktop web applications. Angular is developed by the Google and its first released to 2010. The first version of

angular is known as Angular JS.And the React was developed by the Facebook in the year of 2013.Both are component-based framework angular uses the TypeScript and HTML. React is the user interface (UI) library make the use of JavaScript and JSX.

The latest version of angular is 9 released on the 7th February 2020 one of the core feature of this angular is angular ivy.The latest version of React is 16. The angular performs the Client-Side Rendering and the Reactperforms Server-Side rendering. Websites built on angular are YouTube, Upwork, PayPal, Walmart, Gmail.

YouTube-This is available on Sony PlayStation 3 and it is built on Angular. It is platform where you can post videos with users worldwide.

Upwork-It is a popular site that connects Freelancer from all over the world with Employers. It is best platform where employer can search, hire and work.

Websites built on React.js are Facebook and other applications such as Instagram and WhatsApp.

Facebook- Factbook is making use of React JS. Their webpage built with the React, as the script that is blended in the application code. Mobile app is also built wit a version of React called React Native which is similar, although responsible for displaying the iOS and Android Native components instead of DOM elements.

Instagram- In Instagram the use of React JS is huge. A proof for that is the numerous features including the geolocation, Google Maps APIs, search engine accuracy as well as the tags that pop out without hashtags.

Both Angular 9 and React 16 are under MIT License. Angular has real DOM (Document object Model) and the React uses Virtual DOM. Virtual DOM is not browser specific and it is light weight.it is provided in React package for free and eliminates the issue of slow performance of real DOM so Virtual DOM is better than real DOM.

Angular 9 has number of new features which are:

1) Application in Angular 9 are ivy complied by default.
2) Angular application is complied Ahead-of-Time i.e. before the browser downloads and runs it.

React 16 has number of new features which are:

1) Built great User-Experience Models
2) It allows you easy to crate Dynamic Web and Mobile Apps.
3) Supports for custom DOM attributes.
4) Single-Way data flow
5) Increase in productivity and helps in Maintenance
6) Better Server-Side Rendering and Error handling.

Ms. Aaditi Raju Andore
TYIF

Hyper loop Transportation System

The conventional modes of transportation of people consist of four unique types and that are rail, road, water, and air. These modes of transport tend to be either relatively slow, expensive or a combination of both. Hyperloop is a new mode of transport that seeks to change this pattern by being both fast and inexpensive for people and goods. Hyperloop is a proposed mode of passenger and freight transportation that propels a capsule-like vehicle through a near-vacuum tube at more than airline speed. Hyperloop is a completely new mode of fastest transportation. Hyperloop is firstly proposed by Elon musk and a team of engineer from Tesla Motors and the Space Exploration Technologies Corporation in August 2013. The concept of hyperloop includes travelling people from one place to another place in a capsule which is propelling at a very high speed. We can also called hyperloop as a solar powered transportation system and it is an alternative of high speed train. Basically hyperloop is magnetically levitated train which runs inside a long tube or pipe. It consists of low pressure tube with capsule that is transported at both low and high speeds. It is driven by linear induction motor and compressor. It includes 28 passenger pods.

For propulsion, magnetic accelerators will be planted along the length of the tube, propelling the pods forward. The tubes would house a low pressure environment, surrounding the pod with a cushion of air that permits the pod to move safely at such high speeds, like a puck gliding over an air hockey table. Given the tight quarters in the tube, pressure buildup in front of the pod could be a problem. The tube needs a system to keep air from building up in this way. Musk's design recommends an air compressor on the front of the pod that will move air from the front to the tail, keeping it aloft and preventing pressure building up due to air displacement. A one way trip on the Hyperloop is projected to take about 35 minutes (for comparison,

traveling the same distance by car takes roughly six hours.) Passengers may enter and exit Hyperloop at stations located either at the ends of the tube, or branches along the tube length.

- **BASIC PRINCIPLE OF HYPERLOOP**

Hyperloop is based on a principle of magnetic levitation. The principle of magnetic levitation is that a vehicle can be suspended and propelled on a guidance track made with magnets. The vehicle on top of the track may be propelled with the help of a linear induction motor.

- WORKING OF HYPER LOOP

Working of hyperloop system is based on magnetic levitation principle. As we know that the passenger pad travel through low pressure tube which is pylon-supported tube. In hyperloop system an air compressor fan is fitted on front side of pod which sucks the air. It transfer high pressure air front side to the rear side of capsule (pod) and it propel the pod. It creates the air cushion around the pod, so that the pod is suspended in air within the tube. On the basis of magnetic levitation principle the pod will be propelled by the linear induction motor. By the linear induction motor the capsule send from one place to another place to a subsonic velocity that is slower than the speed of sound. The pod will be self-powered. There is solar panel fitted on top of the tube. By this solar panel there is enough energy is stored in battery packs to operate at night and in cloudy weather for some periods. The energy is also is stored in the form of compressed air. The air between the capsule acts as a cushions to prevent two capsules from colliding within the tube.

The air through the compressor is send to a bypass nozzle at the rear end of the capsule. If capsule cover too much area of the tube then, the air is not flow around the capsule and ultimately the entire column of air in the tube is being pushed ahead of the capsule and because of this there is friction between the air and tube walls is increases tremendously. Therefore to avoid this problem the compressor is fitted at the front of the capsule through which the air is flow which will not flow around the capsule and send it to bypass nozzle.

- MERITS AND DEMERITS OF HYPERLOOP TRANSPORTATION SYSTEM

Merits:

1. It saves the travelling time.
2. There is no problem of traffic.
3. It is powered by the solar panel.
4. It can travel in any kind of weather.
5. Cost of hyperloop is low.
6. Not disruptive to those along the route. 7. More convenient.
8. Resistance to earthquake.

Demerits:

1. Turning will be critical.
2. Less movable space for passenger.
3. High speed might cause dizziness in some passenger.
4. Punctured tunnel could cause shockwaves.

- .CONCLUSION

1. A high speed transportation system known as Hyperloop has been developed in this report.
2. Hyperloop transportation system can be used over the conventional modes of transportation that are rail, road, water and air.
3. At very high speed it provides better comfort and cost is also low.
4. By reducing the pressure of the air in the tube which reduces simple air drag and enables the capsule to move faster than through a tube at atmospheric pressure.

Ms. Prayage Radhika Ajay
TYME

Adaptive cruise control for an intelligent vehicle

Cruise control system is developed for highway driving. This systemis useful for driving in the roads which are big, straight, and the destination is farther apart. When traffic congestion is increasing, the conventional cruise control becomes less useful. The adaptive cruise control (ACC) system is developed to cope up with this situation. The conventional cruise control provides a vehicle with one mode of control, velocity control. On the other hand, ACC provides with two modes of control, velocity and distance control. ACC reduces the stress of driving in dense traffic by acting as a longitudinal control pilot. ACC can work like the conventional cruise control that it is used for maintaining the vehicle's present velocity. Unlike the cruise control, however, ACC can automatically adjust velocity in order to maintain a proper distance between

obstacle and the vehicle equipped with ACC. This is achieved by using laser or radar to measure the relative distance between the host vehicle and a vehicle in front. an adaptive cruise control system is developed and implemented on an AIT intelligent vehicle. To develop the adaptive cruise control system, the original throttle system and braking system of the vehicle have to be modified. The original throttle valve which is controlled by a cable from the accelerator pedal is modified to the drive-by-wire system by using a dc motor with a position control algorithm. The braking system is modified by using adcservo motor to directly control the brake pedal. A proportional and derivative control with error compensation algorithm is proposed to perform the velocity control mode. In the distance control mode, a fuzzy logic algorithm is applied. Inputs of the fuzzy controller are distance error and relative velocity read from a laser range finder. The experiments on a racing circuit show that the vehicle can perform adaptive cruise control efficiently.

2. Types

2.1) Low-speed ACC:- is one of the systems, which operates under congested traffic to maintain the distance behind the obstacle vehicle. This type of ACC system is sometimes called ”stop-and-go ACC.” Early versions may only perform a ”stop and wait” function which requires drivers to initiate a resumption of forward movement when appropriate. The reason is that manufacturers are hesitant to offer such a system to automatically operate in complex low-speed traffic environments, which may have bicycles and pedestrians. The general low-speed ACC system is operated at very low speed (approximately 5 km/hr) and requires the driver to interfere to stop and restart vehicle motion. Low-speed ACC was introduced to the Japanese market in 2004.

2.2) High-speed ACC:- system is the evolution of the cruise control. The system provides velocity control as in conventional cruise control when there is no vehicle in front of the host vehicle. If a vehicle runs in front of the host vehicle at a slower speed, the throttle and braking system are controlled to maintain the inter-vehicle gap which is set by the driver. The host vehicle will run at the preset velocity again when the way ahead is no obstructed, resulting from either the slower vehicle ahead changes the lane or the driver of the host vehicle moves to the other lane. The first ACC systems were designed to operate at moderate to high velocity, 40 km/hr and above. Most European systems operate from 30 km/hr and higher because this is a typical speed limit in city areas. The upper speed range goes as high as 200 km/hr. Bishop, R.H. mentioned that ACC systems should be designed to have a limited braking authority, on the order of 0.25g (full braking in a typical car is 1.0g). In cases where the distance to the vehicle ahead is near and the braking authority of the host vehicle is inadequate to maintain the inter-vehicle gap, audible alerts are sounded to force the driver to take control of the vehicle.

In this research, the ACC system is developed on an AIT intelligent vehicle, Mitsubishi Galant, 1993. The authors propose a fuzzy control algorithm to perform the ACC function. Inputs of the fuzzy controller are distance error and relative velocity. These inputs are read from the laser range finder from SICK, LMS 291. Outputs of the controller are braking command and velocity command.

3. Conclusion:-

In this research, the adaptive cruise controller is designed and developed on an AIT intelligent vehicle. The mechanical throttle valve control is replaced by the electronic throttle control, drive-by-wire system. The drive-by-wire system uses a dc servo motor to control the throttle valve position. The control algorithm of the throttle valve is proportional and derivative control. The braking system of the vehicle is modified by adding the Cool Muscle dc servo motor. The velocity controller on ARM7 microcontroller is implemented with proportional and derivative control algorithm. The distance controller on a PC platform uses fuzzy algorithm. The inputs of the fuzzy are the distance and

relative velocity which come from SICK LMS291 laser range finder. The outputs from the controller are separated into 2 groups. The first output is the command to accelerate the vehicle. The other output is the command to decelerate the vehicle. When the output is the braking command, the Cool Muscle motor is actuated and the speed command is cleared. In contrary, when the output is the speed command, the braking command is cleared and the speed set point is sent to the ARM7 microcontroller. The ACC system which is developed for the AIT intelligent vehicle is able to control the vehicle to run at desired velocity when operated in velocity control mode and efficiently maintain the distance between the host vehicle and the obstacle vehicle.

Mast. Pratik Vilas Patil
TYME

RSM Polytechnic In News


पुढारी

बुधवार, १३ मे २०२०

वेबसाइट तयार करण्याची कार्यशाळा

नाशिक : मविप्र संचलित राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये नुकतीच वेबसाइट तयार करण्यासाठी प्राध्यापक आणि विद्यार्थ्यांसाठी मार्गदर्शन कार्यशाळेचे आयोजन करण्यात आले आहे. दोन दिवस चाललेल्या कार्यशाळेत प्रा. अजित पाटील, माधुरी पाटील, प्रा. शारदा सरोदे आदींनी मार्गदर्शन केले. माहिती व तंत्रज्ञान विभागप्रमुख विश्वास खेडकर यांनी कार्यशाळेचे संयोजन केले होते. कार्यशाळेसाठी तंत्रनिकेतनचे प्राचार्य डॉ. डी. बी. उफाडे यांचे मार्गदर्शन मिळाले. या उपक्रमासाठी संस्थेच्या सरचिटणीस नीलिमा पवार आणि संस्थेचे शिक्षणाधिकारी डॉ. एन. एस. पाटील यांनी कौतुक केले आहे.

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Daily Newspaper Pudhari: Dated 13th May 2020 P#04


राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये विविध ऑनलाइन उपक्रम

लोकसत्ता प्रतिनिधी

नाशिक : शहरातील मराठा विद्या प्रसारक समाज संचालित राजर्षी शाहू महाराज तंत्रनिकेतनमध्ये टाळेबंदीत विद्यार्थ्यांसाठी ऑनलाइन विविध उपक्रम सुरू करण्यात आले.

तासिकांचे आयोजन ऑनलाइन ॲपद्वारे करण्यात आले. सराव चाचणी, ऑनलाइन प्रश्नमंजुषा, भित्तिचित्र निर्मिती आणि दृकश्राव्य स्पर्धा घेण्यात आल्या. अंतिम वर्षाच्या विद्यार्थ्यांसाठी ऑनलाइन तासिका आणि सराव चाचण्या सुरू आहेत. करोनाविषयी जनजागृतीसाठी इलेक्ट्रॉनिक्स ॲण्ड टेलिकम्युनिकेशन विभागाने प्रश्नमंजुषा तयार करून माहिती विद्यार्थी, सेवक आणि पालकांपर्यंत पोहोचविली.

या उपक्रमांसाठी विभागप्रमुख टी. के. ठाणगे, एस. एन. शेळके, पी. डी. बोरस्ते, व्ही. के. खेडकर, बी. एस. देशमुख, पी. आर. गांगुर्डे आदींनी परिश्रम घेतले. प्राचार्य डॉ. डी. बी. उफाडे यांच्या मार्गदर्शनाखाली हे उपक्रम घेण्यात आले.

Loksatta : Dated 12th June 2020 P#6

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Happy
महाराष्ट्र दिन, International Labour Day, Mother's Day, National Technology Day, World Telecommunication Day, World Environment Day and International Yoga Day to All Readers on the behalf of Principal, Faculty, Supporting Staff and Students.

Stay at Home -- Stay Safe
To
Prevent Corona(Covid-19)

Dr. D. B. Uphade
Principal