

Student achievements (2019-20)

1. Ms. Pooja Sawale secured Elite certificate for the course on Digital Circuits (July-Nov 2019)
2. Ms. Rashmi Mishra completed the course on Digital Circuits (July-Nov 2019)
3. Students completed Project Based Learning on Embedded automation, JAVA programming and Humanoid.
4. Rucha Pradhan, Sakshi Survey, Asavari Kenjale, Vikas Dubey was involved in the making of the humanoid.
5. A session on Recent Advances in Telecommunication was conducted for the students Mr. Saurabh Srivastava AVP Training Development Head, Reliance Jio on 23rd July, 2019.
6. Mr. Rohan Shetty and Mr. Salman Qureshi completed internship in Ural Federal Russia

Coursera Certifications

Sr. No.	Domain of the courses	Number of students completed the course
1.	Python Programming	23
2.	HTML	15
3.	Artificial Intelligence	10
4.	Internet of Things (IoT)	9
5.	Augmented Reality	3
6.	Cloud Computing (AWS)	10
7.	C Programming & Arduino Platform	1
8.	Data science	1
9.	Cyber security	1
10.	Structured Query Language (SQL)	1
11.	PHP	1
12.	Network Communication	1

Faculty achievements (2019-20)

1. Dr. Mamta Kurvey completed her PhD in Electronics & Telecommunication in August 2019 from Mumbai University.
2. Mr. Avdhut Patil published a paper titled “Energy Conservation in Home Automation using IOT in Journal of Emerging Technologies and Innovative Research.
3. Prof. Jay Mehta contributed to the development of Disha Portal, platform for MHT-CET online test for 12th Science students.

NPTEL certifications

4. Dr. Mamta Kurvey (Silver) & Prof. Sonia Aneesh (Silver) completed 12 week NPTEL course on Microwave Theory and Techniques, IIT Bombay in Nov 2019.
5. Prof. Sonia Aneesh completed 12 week NPTEL course on Digital Circuits, IIT Kharagpur in Nov 2019. She was the 1% topper for the course.

Certifications

6. Prof. A.M. Deshpande, Dr. S. L. Shelgaonkar, Ms. Manisha Samant & Ms. Veena Gawde successfully completed 7 day Faculty development program for student induction.
6. Prof. Sonia Aneesh, Prof. Adesh Hardas and Prof. Prashant Ahire completed Linux training in association with Spoken Tutorial, IIT Bombay
7. Prof. Sonia Aneesh, Prof. Adesh Hardas, Prof. Veena Gawde, Prof. Mahesh Pawaskar & Prof. Afreenzehra Sayed completed R programming training in association with Spoken Tutorial, IIT Bombay
8. Prof. Jay Mehta, Prof. Prashant Ahire & Prof. Vaibhav Yavalkar completed Latex programming training in association with Spoken Tutorial, IIT Bombay.
9. Prof. Afreenzehra Sayed completed FDP on Python in association with Spoken Tutorial, IIT Bombay
10. Prof. Sonia Aneesh & Prof. Veena Gawde completed One-week AICTE approved FDP on Scilab Programming by NITTTR, Chandigarh.
11. Prof. Veena Gawde completed One-week AICTE approved FDP on Latest Wireless and Computing Technologies by NITTTR, Chandigarh
12. Prof. Veena Gawde completed One-week AICTE approved FDP on Image and Embedded Processing by NITTTR, Chandigarh.
13. Prof. Sonia Aneesh & Prof. Veena Gawde completed One-week AICTE approved FDP on Neural Networks and CNN, Chandigarh.
14. Prof. Veena Gawde & Prof. Adesh Hardas completed One-week AICTE approved FDP on Artificial Intelligence by NITTTR, Chandigarh
15. Prof. Vaibhav Yavalkar completed certification of YouTube creator Academy: 360 degree video and virtual reality, Earn money with ads.
16. Prof. Jay Mehta & Prof. Tejashri completed FDP on Networking Essentials conducted by ICT Academy May 14-20, 2020.
17. Prof. Jay Mehta completed Fortinet’s Network Security Expert certification for NSE 1, NSE 2 Network Security Associate.
18. Prof. Jay Mehta completed one week ATAL Online FDP on Internet of Things, April 20-24, 2020 organized by National Institute of Technical Teachers Training & Research Chandigarh.
19. Prof. Afreenzehra Sayed attended 5 day online FDP on Advances in IoT organised by F.R. Conceicao Rodrigues College of Engineering, May 2020.

20. Prof. Afreenzehra Sayed attended one day virtual webinar on "Wireless Communication-Your Friend in the Digital Age" organized by Nandha College of Engineering Erode, Tamil Nadu, in Association with "The Institution of Engineers (India), Erode Local Center on 4th June 2020.
21. Prof. Afreenzehra Sayed attended one day webinar on "Machine learning using R" organized by Vaageswari College of Engineering Karimnagar, Department of CSE on 7th June 2020.
22. Prof. Vaibhav Yavalkar completed RPA developer Foundation course organised by Ui Path.
23. Prof. Vaibhav Yavalkar completed course on Introduction of Robotic Process Automation (RPA) and Did you know that RPA is Simple yet Powerful, when compared to traditional Automation under Automation Anywhere.
24. Mr. Avdhut Patil completed courses on Transformer, MS office under Capability development initiative by Tata steel e-learning courses.

Coursera certifications

Sr. No.	Name of the course	Name of faculties completed the course
1.	Data Science maths Skills	1. Dr. Mamta Kurvey 2. Prof. Manisha Samant 3. Prof. Sonia Aneesh 4. Prof. Tejashri Kolhe 5. Prof. Adesh Hardas 6. Prof. Veena Gawde
2.	Fundamentals of Network Communication	1. Dr. Mamta Kurvey 2. Prof. Manisha Samant 3. Prof. Sonia Aneesh 4. Prof. Tejashri Kolhe 5. Prof. Adesh Hardas 6. Prof. Afreenzehra Sayed 7. Prof. Vaibhav Yavalkar
3.	Wind Energy	Dr. S. L. Shelgaonkar
4.	Positive Psychology	Dr. S. L. Shelgaonkar
5.	Python Basics	Prof. Sonia Aneesh
	The Bits & Bytes of Computer Networking	Prof. Sonia Aneesh
6.	Introduction to HTML's	Prof. Mahesh Pawaskar
7.	Machine Learning for All	Prof. Veena Gawde
8.	Programming for Everybody (Getting started with Python)	
9.	Introduction to Machine Learning	Prof. Adesh Hardas
10.	Introduction to Big data	
11.	AWS Fundamentals: Going Cloud-Native	Prof. Selvin Furtado
12.	Programming with Cloud IoT Platforms	
13.	Building Web applications in PHP	
14.	Introduction to Virtual Reality	Prof. Vaibhav Yavalkar
15.	Covid-19: What you need to know (CME Eligible)	
16.	Foundations of everyday leadership	

17.	Introduction to Internet of things & Embedded systems	Prof. Vaibhav Yavalkar
18.	Science of Exercise	
19.	Fundamentals of Graphic Design	Ms. Priti Farkade
20.	Electric Power systems	Mr. Avdhut Patil
21.	Graphic Design	Ms. Priti Farkade
22.	Excel Skills for Business Essentials	Mr. Avdhut Patil
23.	Electric utility fundamentals & future	
24.	Introduction to Solar Cell	
25.	Excel Skills for Business: Intermediate	
26.	Solar Energy basics	
27.	Electrical Power system	
28.	Time Management for personal and professional productivity	

Student achievements (2020-21)

1. Ankit Khandeparkar published a paper titled Surveillance and Controlling of Firebird-V Based Hexapod using Raspberry Pi in IEEE Explorer in the month of January-2021, 2020 IEEE International Conference for Innovation in Technology (INOCON), 2020, pp. 1-4.
2. 24 students of our department successfully completed Cyber Security Virtual Internship Program of CISCO & AICTE through CISCO networking Academy

Akshata Koli
 Altamash Sayed
 Amol Chavan
 Anoj Sutar
 Asavari Kenjale
 Atharva Ambardekar
 Bhavesh Peswani
 Devendra Khetade
 Hrishikesh Pandit
 Juee Gunjal
 Kartiki Kadav
 Keval Mahajan
 Manas Kulkarni
 Nandinin Sharma
 Neha Teli
 Omkar Vilekar
 Onkar Deshpande
 Rucha Pradhan
 Saarth Nikam
 Sanika Jagtap
 Shreya Nair
 Suyash Jadhav
 Tanvi Parab
 Vedant Shimpi

Faculty achievements (2020-21)

1. All faculties of EXTC department had participated in the ISTE approved 5 day FDP on “Research in Engineering- A Way Ahead”, July 6-10, 2021.
2. Dr. M. P. Kurvey, Prof. Sonia Aneesh & Prof. Mahesh Pawaskar completed one week online advanced FDP on IoT in 5GTechnology under ATAL Academy, 21-25 June, 2021organised by Silicon Institute of Technology.
3. Prof. Jay Mehta participated in one day webinar on “NIRF Ranking system” organised by AVN Institute of Engineering & Technology, 3rd July, 2020.
4. Prof. Veena Gawde participated in 3day workshop on Cyber Forensics organized by National Institute of Technical Teachers Training & research Chandigarh, 5-7 May, 2021.
5. Prof. Manisha Samant, Prof. Veena Gawde & Prof. Afreenzehra Sayed participated in one week online STTP on Telecommunication Networks – Phase-II organized by Vidyalankar Institute of Technology, 5-10 July, 2021.
6. Prof. M.C. Pawaskar presented a paper titled “Surveillance and controlling of Firebird-V based Hexapod using Raspberry Pi” presented at IEEE International Conference for Innovation in Technology (INOCON) Technically Cosponsored by IEEE Bangalore Section on 7th Nov 2020.
7. Prof. M.C. Pawaskar presented a paper titled “A Review on HEVC and AVC based video compression technique” at the International Conference on Smart Data Intelligence (ICSMDI-2021) organised by Kongunadu college of Engineering and Technology, Trichy, Tamil Nadu on 29th April 2021.
8. Prof. M. C. Pawaskar, Prof. A.C. Hardas & Prof. Sonia Aneesh published a paper titled Surveillance and Controlling of Firebird-V Based Hexapod using Raspberry Pi in IEEE Explorer in the month of January-2021, 2020 IEEE International Conference for Innovation in Technology (INOCON), 2020, pp. 1-4.
9. Prof. M. C. Pawaskar published a paper titled “A Review on HEVC and AVC based video compression technique” included in SSRN repository. (May 24, 2021).
10. Prof. Jay Mehta Published a technical paper in Journal of Emerging Technologies And Innovative Research (International Open access Journal) titled "Smart Autobilling Shopping Trolley for Malls"
11. Prof. Mahesh Pawaskar successfully completed “Microchip Academy Educator Training” EduSkill in July-2021.
12. Prof. Jay Mehta Successfully completed Palo Alto Networks Certified Cybersecurity Entry-level Technician global certification
13. Prof. Jay Mehta completed Trainer for Palo Alto Networks Certified Cybersecurity Entry-level Technician course.
14. Prof. Vaibhav Yavalkar completed Digital Teaching Techniques course organised by ICT Academy.
15. Prof. Jay Mehta Successfully Completed Huawei Routing & Switching H12 -211 course for trainer.
16. Prof. Sonia Aneesh successfully completed CISCO networking Academy’s Educator Training certificate.

17. Prof. Selvin Furtado was the speaker for an Invited talk "IoT: Data's Journey from Sensor to Server", in Xavier Institute of Technology, Mahim.
18. Mr. Avdhut Patil published a journal paper titled Android and IoT Based Approach to Home Electricity Management in SEYBOLD REPORT, Volume 15, issue 8-2020-s.no. 219.

NPTEL certifications

19. Dr. Mamta Kurvey, Prof. Manisha Samant, Prof. Sonia Aneesh, Prof. Selvin Furtado (Silver), Prof. Adesh Hardas (Elite), Prof. Mahesh Pawaskar (Silver) & Prof. Afreenzehra Sayed completed 12 week NPTEL course on Introduction to Embedded System Design, IIT Madras July-Nov 2020.
20. Prof. Selvin was amongst the 2% topper in the NPTEL course on Introduction to Embedded System Design, IIT Madras July-Nov 2020.

Consultancy

21. Prof. Selvin Furtado is doing his consultancy with Aunoa Solutions.

NPTEL Translations

22. Prof. Sonia Aneesh completed the translation of the course of Digital Electronic Circuits (Lec:21-30) offered by IIT Kharagpur in Hindi language, Aug 2020.
23. Prof. Sonia Aneesh completed the translation of the course of Digital Electronic Circuits (Lec:1-10) offered by IIT Kharagpur in Hindi language, Sep 2020.
24. Prof. Sonia Aneesh completed the translation of the course of Integrated Circuits, MOSFETs, OP-Amps and theory Applications offered by IISc Bangalore in Hindi language, April 2021.

Coursera certifications

Sr. No.	Name of the course	Name of faculties completed the course
1.	Introduction to Satellite Communications	Prof. Sonia Aneesh
2.	Introduction to Electronics	
3.	Grammar & Punctuation	
4.	Electrodynamics -An introduction	
5.	Leadership & Emotional Intelligence	Prof. Vaibhav Yavalkar
6.	Successful presentation	

Student Achievements (2017-18)

- 1) Sahil Palekar, Ashish Lohar & Anil Singh of BE EXTC secured Third position in Technical Paper Presentation Competition of “EXALT 2K17” held in APSIT on 15th and 16th September 2017.

- 2) Archana Chauhan of BE EXTC secured 2nd position in “Technical Paper Presentation” in the Event “Electra Buzz” conducted by New Horizon Institute of Technology and management, Thane on 29th September 2017.
- 3) Yash Dedhiya, Shreyas Somani, Ishwar Prajapati of TE EXTC secured Second position in Quiz Competition of “EXALT 2K17” held in APSIT on 15th and 16th September 2017.
- 4) Shreyas Somani, Ishwar Prajapati of TE EXTC secured Second position in Mini Project Competition of EXALT held in APSIT on 15th and 16th September 2017.
- 5) Nitu Bhati, Sonam Mathur of TE EXTC with the students of allied departments secured Second position in Robotron Competition of “EXALT 2K17” held in APSIT on 15th and 16th September 2017.
- 6) Shubhankar A.V. of SE EXTC participated in Mini Project, Robotron, Technical quiz, Best of waste, Tech race and Lan Gaming competition of “EXALT 2K17” held in APSIT and secured 1st position in Mini Project and 3rd position in Best of Waste on 15th and 16th September 2017.
- 7) Nisha Francis of SE EXTC participated in Robotron, Technical quiz, Best of waste and Floating Deck competition of “EXALT 2K17” held in APSIT and secured 3rd position in Best of Waste on 15th and 16th September 2017.
- 8) Ruchi Rane of BE EXTC participated in Technical Paper Presentation Competition of “EXALT 2K17” held in APSIT on 15th and 16th September 2017.
- 9) Pooja Pawar of BE EXTC participated in “Present around the World” competition held by IET (Institute of Engineering and Technology) Mumbai Local Network on 11th March 2017.
- 10) Pooja Pawar of BE EXTC participated in “National Level Project Showcase” (VNPS 17) conducted by VCET, Vasai on 7th April 2017.
- 11) Ruchi Rane of BE EXTC participated in “Technical Project Presentation” and “Electra-Buzz” events conducted by New Horizon Institute of Technology and management, Thane on 29th September 2017.
- 12) Archana Chauhan of BE EXTC participated in “Technical Paper Presentation” conducted by New Horizon Institute of Technology and management, Thane on 29th September 2017.
- 13) Archana Chauhan and Nihal Chowkekar of BE EXTC participated in “Tantragyan 2017” for the project titled “Cellphone Dectector” conducted by Lokmanya Tilak College of Engineering, Koparkhairane, Navi Mumbai, on 30th March 2017.
- 14) Archana Chauhan, of BE EXTC participated in “National Level Project Showcase” (VNPS 17) conducted by VCET, Vasai on 7th April 2017.
- 15) Bhavika Bhanushali, Ankita Jadhav, Jyoti Kale and Twinkle Inamdar of BE EXTC participated in “Tantragyan 2017” for the project titled “Finger Print based Bank Locker System” conducted by Lokmanya Tilak College of Engineering, Koparkhairane, Navi Mumbai, on 30th March 2017.
- 16) Bhavika Bhanushali, Ankita Jadhav, Jyoti Kale and Twinkle Inamdar of BE EXTC participated in mini project competition of “EXALT 2K17” held in APSIT on 15th and 16th September.
- 17) Virendra Bhoir of BE EXTC participated in “National Level Project Showcase” (VNPS 17) conducted by VCET, Vasai on 7th April 2017.

- 18) Nihal Chowkekar of BE EXTC participated in “National Level Project Showcase” (VNPS 17) conducted by VCET, Vasai on 7th April 2017.
- 19) Mayur Waghmare of TE EXTC secured First position in Relay Race in Sports Meet 2017 held in APSIT.
- 20) Pallavi Fadtare and Archana Gajula of SE EXTC participated in Technical quiz competition of “EXALT 2K17” held in APSIT on 15th and 16th September 2017.

Student Achievements (2018-19)

1. Previous Examination Result (BE, TE, SE) in percent age
BE: 94.59 , TE : 71.43 I SE : 68.09
2. Placement record of students.
Out of 39 students of 2018 batch, 22 students secured placement in different reputed companies. And 5 students from 2019 batch got placement in Capgemini, LTI, Hexaware and Wipro
3. Student Achievements Academic (Toppers)
BE: Ms. Archana Chauhan
TE: Ms. Sayali Gurav
SE: Ms. Archana Gajula
4. Student's Achievements in various Project Competitions, Workshops, & Seminars.
 - a) One team cleared qualifying round of eYantra Ideas Competition- 2018, and team members are Shreyas Somani, Ishwar Prajapati, Guruprasad Singh.
 - b) One team reached country level quarterfinals of India Innovation Challenge design contest - 2018, will receive \$ 200 worth funding from Texas Instruments and team members are Yash Dedhiya, Yash Chopra, DeepDarji, and Manish Mishra.
 - c) 26 students from SE, TE and BE participated in DrishTI online Competition conducted by Texas Instrument. Ms. Disha Sharma, Ms. Pranjali Karjawkar and Sayyed Altamash secured 1st, 2nd and 3rd position.
5. Student's Achievements in sports (intercollegiate/ University level)
6. Student Training Programs/ I.V. organized by various departments. Industrial visit was conducted on 10th August- 2018 to Giant Meter wave Radio Telescope (G MRT), where 32 dish antennas were placed in T shape. Astronomers from all over the world regularly use this telescope to observe many different astronomical objects. There were 29 students and 4 faculties for this visit.
7. Value Added Courses organized by the department
8. C, C++ and Java courses are organized for TE and BE students for preparing them to be industry ready
9. Tie up or MOU of department with various external foundations Tie- up with Cisco – Networking Academy for conducting CCNA Routing & Switching & CCNA IOT Courses for students. Tie- up with Texas Instruments for setting up innovation lab in APSIT campus, and training students and faculties on Texas Tools like MSP430 and Tiva C for IoT

Applications. Tie- up with IIT Bombay for setting up eYantra Robotics Lab in APSIT campus, students will be introduced and trained on FireBird and Spark Robotics platform.

Faculty Achievements (2017-18)

1. Prof. Sameer Nanivadekar, Prof. S.L. Shelgaonkar and Prof. S. B. Sawargave have completed their Ph.D.
2. Prof. Sameer Nanivadekar has published a research paper on “Betterment of resource allocation in OFDM based cognitive radio with weightage based dynamic group search optimization” in IEEE explore on February 2017.
3. Prof. Sameer Nanivadekar has published a research paper on “Review of metaheuristic algorithm for cognitive radio” in international journal IJCESR approved by UGC on July 2017.
4. Prof. Shelgaonkar has published a research paper on “Scope for Improvement in Quality of Diagnostic Images for pelvic region” in International Journal of Modern Trends in Engineering and Research.
5. Prof. S. B. Sawargave has submitted a research paper on “Self-Adaptive Whale Optimization for design and modeling of Boiler plant” which is under review.
6. Prof. M. P. Kurvey has submitted a research paper on “RF Energy Harvesting System” which is selected for an IEEE Conference which will be conducted by Universal College of Engineering.
7. Prof. M. P. Kurvey has submitted a research paper on “Design and Optimization of Stepped Rectangular Antenna for RF Energy Harvesting” which is selected for an IEEE Conference which will be conducted by Sardar Patel Institute of Technology.

Faculty Achievements (2018-19)

1. Prof. M. P. Kurvey has filed the patent on "Antenna for R F energy harvesting"
2. Prof. Jay Mehta Successfully completed CCNA Routing & Switching Course
3. Research Papers Published by Faculty
Prof. M. P. Kurvey has published paper in Springer journal on "R F energy harvesting"
4. Participation of faculty in STTP/Workshop/Conference/Seminar
Prof. M. P. Kurvey and Prof. M. M. Samant attended one week AICTE-ISTE approved STTP on IOT: Fundamentals and recent advances with practical approach.
5. Prof. J. S. Mehta, Prof. S. V. Furtado and Prof. Sonal Jain attended two days introductory workshop on Robotics in IIT Bombay.
6. Prof. S. V. Furtado, Prof. Sonal Jain and Prof. M. C. Pawaskar attended Task based Training on eYantra robotics Lab set up and secured grade A, cash prize of Rs. 8000 and two firebird 5 robots.
7. Faculty Development Programs/Workshop/ organized by Department in APSIT
Texas Instruments had conducted Faculty Development Programs on MSP430 and TIVA-C platform.