Best Practice I

***Title of the Practice*: Improvement in Engineering Pedagogy through Faculty Development
Programmes / Coursera Certification Courses**

The quality of academic teaching is decisively determined by the qualifications and competencies of the teaching staff, which also include their expertise in engineering pedagogical capabilities.

Goal

The Covid-19 pandemic has left the academic institutions bereft of the physical presence of the students. Our college rose to the occasion and pitched in enthusiastically and innovatively, so that the challenges and difficulties posed by the pandemic in imparting education and ensuring proper teaching & learning process could best be minimized & dealt with.

The Context

For students in engineering science courses, a future engineer's ability to accomplish social communicative processes in modern structures of technology and service has become a focal point of engineering pedagogical considerations. Thus, the focus of this view of engineering pedagogy is the development of teaching concepts for the preparation of future engineers for their leadership roles in changing structures of technology and service.

The Practice

• Online virtual classes were conducted through "Microsoft Teams". Regular sessions in theory and practicals were taken up throughout. Taking advantage of the online platform and availability of all concerned, various additional value added programs were also conducted to supplement the regular studies. Industry veterans were also invited to interact virtually with the students to contemplate on the effects of the lockdown on education.
• Practicals were performed using various simulation softwares.
• College participated in the Coursera COVID 19 initiative to enable the students and faculty members with additional online learning during the pandemic. Most of our fauclty members and students registered for these courses. In all, 37953 enrollments were made and 11966 courses were completed by faculty members and students, which as per the Coursera official records was the highest from a single college in India.
• For continuous assessment and for assignments, quizzes were conducted online via different tools like Socrative, Kahoot and Google classroom etc.

• For third year students, an online session for placement guidance was conducted during June 2020, enabling them to prepare for the upcoming placement activities.

 Initially, tools such as, Socrative, Kahoot and google classroom etc. were widely used to assess the student performance during the ongoing semester as well as for continuous assessment.

• Viva and project presentations were conducted online with a panel of examiners only for the final year students in the initial period.

• Library access for students was created during the pandemic, enabling them with books, notes and links for video lectures. Teachers shared the study material on the online platform regularly and solved their doubts. Additional online books were purchased and licences were shared with students, using sources, such as D-Space, Ebrary, Pearson, Unit Operation and Gate Practice Software etc.

• Some complimentary e-books access were given by Elsevier, Springer, Wiley and Mcgraw hill etc. during the pandemic and were shared with the students.

Due to online mode of studies, students could take multiple courses, thanks to college Coursera COVID 19 initiative as well as other sources.

• Due to the online facilities and the availability of staff & students, many webinars, FDPs & STTPs could be conducted as Value Added Programs (VAP) without restrictions of time.

Various following online programs were organized and conducted by the institute during these difficult times.
1. Effective Pedagogy in Class Room Teaching for Engineering Education by Dr. Ramkumar Rajendran, IIT Bombay.
2. Various online courses through Coursera
3. DJSCE-IBM training on:
    i)   Python programming
    ii)   Introduction to Data Analytics
    iii)   Introduction to Artificial Intelligence & Machine Learning
    iv)   Introduction to Internet of Things
4. DJSCE-SAS training.

Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

Name of Teacher who attended the programme	Title of the programme	Duration (from - to) (DD-MM-YYYY)
Dr Yogesh Parab	Assessment in Higher Education: Professional Development for Teachers, Coursera , July 2020	July 2020
Dr Yogesh Parab	Learning to Teach Online, Coursera , July 2020	July 2020
Dr Yogesh Parab	Emerging trends in chemical sciences and its applications in environment and engineering	26-30th sept 2020/ 1 week
Dr. Aditi Kulshrestha	Coursera: Assessment in higher education: Professional Development for teachers	15-7-20
Dr. Aditi Kulshrestha	Coursera: Learning to teach online	25-7-20
Dr. Aditi Kulshrestha	Coursera: AI for everyone	9/10/2020
Dr. Aditi Kulshrestha	Coursera: Introduction to molecular spectroscopy	22-10-20
Dr. Aditi Kulshrestha	ATAL FDP (1 Week) : Academic Leadership in Higher education	21-6-21 to 25-6-21
Dr. Aditi Kulshrestha	MoE's innovation cell and AICTE: Innovator Ambassador training (Advanced level)	30-6-21 to 30-7-21
Manisha Keshab	Two-week Refresher Course on "Mathematical Science" from June 14 - June 28, 2021, Teaching Learning centre, Ramanujan College, Delhi.	June 14 - June 28, 2021
Manisha Keshab	FDP on "Machine Learning & Deep Learning", TCS, June 15 2021.	June 15 2021
Manisha Keshab	Assessment in Higher Education: Professional Development for Teachers, Coursera , July 2020	July 2020
Manisha Keshab	Learning to Teach Online, Coursera , July 2020	July 2020
Manisha Keshab	Finance for Everyone: Markets, Coursera, July 2020	July 2020
Prof. Shilank Singh	Essential Mathematics for Machine Learning - NPTEL	September 2020 - November 2020, 8 Weeks
Prof. Shilank Singh	Essentials of Data Science With R Software - 1_ Probability and Statistical Inference - NPTEL	January 2021 - April 2021, 12 Weeks

Prof. Shilank Singh	Essentials of Data Science With R Software - 2_ Sampling Theory and Linear Regression Analysis - NPTEL	January 2021 - April 2021, 12 Weeks
Prof. Shilank Singh	Applied Statistical Analysis - IBM	28th June, 2020 - 2nd July, 2020, 5 Days
Prof. Shilank Singh	Deep Learning - IBM	26th November, 2020 - 30th November, 2020, 5days
Prof. Shilank Singh	Python Data Structures - Coursera	14th July, 2020
Prof. Shilank Singh	Learn To Teach Online - Coursera	27th July, 2020
Prof. Shilank Singh	Assessment in Higher Education - Coursera	18th March, 2021
Dr. Sameera A. Rege	Coursera-Learning to Teach Online	11th July 2020
Dr. Sameera A. Rege	Webinar-"Opportunities for Chemical Engineers in Chemical & Allied Industries" organised by Applied Chemistry Department of VJTI, Mumbai.	18th July 2020
Dr. Sameera A. Rege	Webinar-"Patent and Patenting Process" organised by Department of Chemistry, organised by S.S. & L.S. Patkar College of Arts and Science, Mumbai.	18th July 2020
Dr. Sameera A. Rege	Coursera-Assessment in Higher Education: Professional Development for Teachers	19th July 2020
Dr. Sameera A. Rege	Coursera-Chemicals and Health	24th July 2020
Dr. Sameera A. Rege	Webinar-"Successful Research Paper: Concepts to submission" organised by Department of Library, D.J Sanghvi College of Engineering, Mumbai.	28th July 2020
Dr. Sameera A. Rege	Coursera-Philosophy and the Sciences: Introduction to the Philosophy of Physical Sciences	3rd August 2020
Dr. Sameera A. Rege	Coursera-Philosophy and the Sciences: Introduction to the Philosophy of Cognitive Sciences	6th August 2020
Dr. Sameera A. Rege	Coursera-Biochemical Principles of Energy Metabolism	11th August 2020

Dr. Sameera A. Rege	STTP-One week STTP on " Emerging Trends in Chemical Sciences and its Applications in Environment and Engineering", organised by Department of Applied Chemistry, Jabalpur Engineering College, Jabalpur.	26th-30th September 2020
Dr. Sameera A. Rege	FDP-FDP on "A step by step to write a Good Research Paper", organised by Symbiosis University of Applied Sciences, Indore & Research Foundation of India.	15th-21st October 2020
Dr. Sameera A. Rege	Webinar-"Emerging Vistas in Education and Industry: Enhancing Skills and Careers in Quality", organised by S.S. & L.S. Patkar College of Arts and Science, Mumbai.	24th October 2020
Dr. Sameera A. Rege	STTP-One week online STTP in Association with CCE on "Advanced Analytical Techniques in Chemistry", organised by Applied Chemistry Department, S.V. National Institute of Technology, Surat.	26th-30th October 2020
Dr. Sameera A. Rege	STTP-AICTE sponsored online STTP on "Outcome Based Education with Assessment and Evaluation", organised by Sahrdaya College of Engineering and Technology, Kerala.	9th-16th November 2020
Dr. Sameera A. Rege	Webinar-"NEP 2020: Higher Education Curricular Issues and Implications", organised by National Institute of Technical Teachers' Training and Research, Bhopal.	20th November 2020
Dr. Sameera A. Rege	Webinar-"Role of Surfactants in Hand & Surface Sanitisation in Personal Care Segments", organised by Oil Technologists' Association of India.	4th and 11th December 2020
Dr. Sameera A. Rege	STTP-"HRD through Training and Development", organised by NITTR, Kolkata.	14th-18th December 2020
Dr. Sameera A. Rege	Webinar-"Call for Paper Writing and Research Report on Innovation", organised by IIC, BVCOE, Navi Mumbai.	21st December 2020
Dr. Sameera A. Rege	Webinar-RUSA sponsored webinar "Curriculum Design Strategies to enhance Employability and Soft Skills", organised by IQAC, S.S. & L.S. Patkar College of Arts and Science, Mumbai.	23rd December 2020

Dr. Sameera A. Rege	Webinar-"Phospholipase for enzyme-assisted alkaline refining", organised by AOCS, Inform	27th January 2021
Dr. Sameera A. Rege	Webinar-"The two M's of Chemistry: Molecules and Materials", organised by JECRC University, Jaipur.	19th-20th April 2021
Dr. Sameera A. Rege	Webinar- "Intellectual Property Rights", organised by S.S. & L.S. Patkar College of Arts and Science, Mumbai.	23rd April 2021
Dr. Ankita B Jain	International short Course on Advanced Physics	6th-8th Aug 2020
Dr. Ankita B Jain	Cousera:	
Dr. Ankita B Jain	1. Get Interactive: Practical teaching with technology	24-Jul-20
Dr. Ankita B Jain	2. Learning to teach online	7-Jul-20
Dr. Ankita B Jain	3. The Data Scientist's Toolbox	13-Jul-20
Dr. Ankita B Jain	4. IoT Wireless & Cloud Computing Emerging Technologies	22-Aug-20
Dr. Ankita B Jain	5. Introduction to Virtual Reality	10-Aug-20
Dr. Ankita B Jain	6. Introduction to Solar cells	4-Jul-20
Dr. Ankita B Jain	7. Financial Markets	29-Aug-20
Dr. Ankita B Jain	8. Introduction and Programming with IoT boards	22-Aug-20
Dr. Ankita B Jain	9. Introduction to Big data	5-Aug-20
Dr. Ankita B Jain	10. From the big bang to Dark energy	29-Aug-20
Dr. Ankita B Jain	11. Assessment in higher education: Professional Development for teachers	9-Jul-20
Dr. Ankita B Jain	12. Covid 19: What you need to know	28-Aug-20
Dr. Ankita B Jain	13. Positive Psychology	03.07.2020
Dr. Smita Bhatavadekar	Assessment In Higher Education : Professional development for teachers	7/28/2020
Dr. Smita Bhatavadekar	Learning to teach online	7/16/2020
Dr. Smita Bhatavadekar	Domination Theory and Topological Indices	04/02/2021 to 06/0/2021
Dr. Smita Bhatavadekar	Essential Mathematics for Machine Learning	September to November 2020, 8 week course

Dr. Meenakshi M. Rananaware	Coursera-1.Chemical and Health	7.7.2020 (6 weeks)
Dr. Meenakshi M. Rananaware	Coursera-2. Assessment in Higher Education: Professional Development for Teachers	17.7.2020(5 weeks)
Dr. Meenakshi M. Rananaware	Coursera-3.Learning to teach Online	9.7.2020 (6 weeks)
Dr. Meenakshi M. Rananaware	Coursera-4. Excel Skills for Business: Essentials	4.8.2020 (6 weeks)
Dr. Meenakshi M. Rananaware	Coursera-5.COVID-19 contact Tracing	30.12.2020 (1 weeks)
Krupa Shikhare	Assessment in Higher Education: Professional Development for Teachers authorized by Erasmus University Rotterdam and offered through Coursera on 19th August 2020.	19-Aug-20
Krupa Shikhare	Learning to Teach Online authorized by UNSW Sydney (The University of New South Wales) and offered through Coursera on 22nd July 2020.	22-Jul-20
Dr. Narayan S. Karmakar	Solar Photovoltaics Fundamentals, Technology and Applications	11/2/2020
Dr. Narayan S. Karmakar	Laser: Fundamental and applications	11/1/2020
Dr. Narayan S. Karmakar	Excel Skills for Business: Essentials	8/4/2020
Dr. Narayan S. Karmakar	Learning to Teach Online	7/17/2020
Dr. Narayan S. Karmakar	Assessment in Higher Education: Professional	7/16/2020
Dr. Narayan S. Karmakar	Python Data Structures	6/21/2020
Dr. Narayan S. Karmakar	Programming for Everybody (Getting Started with Python)	6/18/2020

Dr. Narayan S. Karmakar	Improving Teaching Learning Experience using Best Practices	6/15/2020
Dr. Narayan S. Karmakar	STTP on Sensor, IoT & Machine Learning	6/1/2020
Dr. Narayan S. Karmakar	Python" with spoken tutorial IIT Bombay	5/3/2020
Dr Anjali S	Two weeks FDP on Indian Knowledge Systems in Cotemporary Education & Practices'	5-19th Nov 2020
Dr Anjali S	AICTE Training and Learning Academy(ATAL) online FDP on 'Productivity Enhancement'	14-18th Dec 2020
Dr Anjali S	AICTE Training and Learning Academy(ATAL) online FDP on 'Emotional Intelligencet'	18-22nd Jan 2021
Dr Anjali S	8 weeks NPTEL MOOC FDP on Soft skills Development	8 weeks Jan-March 2021
Dr Anjali S	8 weeks NPTEL MOOC FDP on Emotional Intelligence	8 weeks Jan-March 2021
Dr Anjali S	8 weeks NPTEL MOOC FDP on Enhancing Soft skills and Personality	8 weeks Feb-Apr 2021
Dr Anjali S	1. Learning to Teach Online, UNSW Sydney (The University of New South Wales), 6 Weeks, 3-4 hours/week, Grade Achieved: 91.30%	4 weeks 28th July 2020
Dr Anjali S	2. Foundations of Teaching for Learning: Being a Professional, Commonwealth Education Trust., Grade Achieved: 88%	4 weeks 27th July 2020
Dr Anjali S	3. Assessment in Higher Education: Professional Development for Teachers, Erasmus University Rotterdam, Grade Achieved: 97%	6 weeks 25th July 2020
Dr Anjali S	4. Introduction to Personal Branding, University of Virginia, 3-5 hours/week, Grade Achieved: 100.00%	4 weeks July 2020
Dr Anjali S	5. National Webinar on Indian Feminism	9th September 2020
Prof Naresh Afre	NPTEL [FDP] on "Essential Mathematics for Machine Learning"	Sep-Nov 2020
Prof Naresh Afre	STC on "GRAPHIC DESIGN" for teachers	26th May 2021 to 31st May 2021
Prof Naresh Afre	Webinar on "Ramanujan and highly composite numbers"	22nd Dec 2020

Prof Naresh Afre	One week FDP on "Research and Current Trends in Mathematics"	26th Dec 2020 to 31st Dec 2020
Prof Naresh Afre	Coursera course on "Assessment in Higher Education: Professional Development for Teachers"	14th Jul 2020 to 23rd Jul 2020
Prof Naresh Afre	Coursera course on "Mathematics for Machine Learning: PCA"	14th Sept 2020 to 15th Oct 2020
Prof Naresh Afre	Coursera course on "Mathematics for Machine Learning: Multivariate Calculus"	31st July 2020 to 10th sept 2020
Prof Naresh Afre	Coursera course on "Mathematics for Machine Learning: Linear Algebra"	23dr July 2020 to 30th July 2020
Prof Naresh Afre	Coursera course on "Learning to Teach Online"	07 July 2020 to 14th July 2020
Prof Naresh Afre	Coursera course on "Data Science Math Skills"	29th Sept 2020 to 1st Oct 2020
Prof Naresh Afre	Coursera course on "Differential Equations for Engineers"	6th June 2020 to 5th July 2020
Prof Naresh Afre	Coursera course on "Mathematics for Machine Learning Specialization"	23rd July 2020 to 15th Oct 2020
Dr Khushbu Trehan	Assessment in Higher Education: Professional Development for Teachers	Ma r 13, 2021 (Weeks)
Dr Khushbu Trehan	Learning to Teach Online	Ma r 13, 2021 (Weeks)
Dr Khushbu Trehan	English for Effective Business Speaking	6/27/2020 (Weeks)
Dr Khushbu Trehan	FDP- Application of ICT Tools for Enhancement of E-learning	7 Days (08-14 July, 2020)
Dr Khushbu Trehan	FDP- E-content and ICT Tools for Innovative and Effective Teaching	7 Days (15-21 July 2020)
Dr Khushbu Trehan	FDP- Innovative Teaching Learning Methodologies	5 Days (06-10 July 2020)
Dr Khushbu Trehan	FDP- Unlock your Unknown Skills- Life Skills and Soft Skills	6 Days (17-22 August 2020)
Dr Khushbu Trehan	FDP- The Role of a Teacher in Nation Building	7 Days (03-09 August 2020)

Dr Khushbu Trehan	International Webinar on Nation Oriented Pedagogy in Hindustan	2 Days (04-05 July 2020)
Dr Khushbu Trehan	National Webinar- Professional Development through Action Research	1 Day (09 July, 2020)
Dr Khushbu Trehan	Webinar on Teach to Learn and Learn to Teach Using Neuro Linguistics Programming	1 Day (18 July, 2020)
Dr Khushbu Trehan	Give Wings to Your Stress	1 Day (23 July, 2020)
Dr Khushbu Trehan	National Webinar- Research Measurement and Scaling Techniques	1 Day (19 July, 2020)
Dr Khushbu Trehan	Confidence and Technology enabled Teacher	1 Day (21 July, 2020)
Dr Khushbu Trehan	Webinar on Creating E-smart Content	1 Day (21 July, 2020)
Dr Khushbu Trehan	National Webinar- Offline to Online- Challenges and Solutions in Higher Education	1 Day (26 July, 2020)
Dr Khushbu Trehan	Webinar on The Art and Craft of the Short Story	1 Day (26 July, 2020)
Dr Khushbu Trehan	Webinar on OBE for Professional Communication	2 Days (27-28 July, 2020)
Dr Khushbu Trehan	Webinar on IPR and their Importance	1 Day (30 July, 2020)
Dr Khushbu Trehan	National Webinar on Academic Integrity and Plagiarism	1 Day (01 August, 2020)
Dr Khushbu Trehan	Workshop on Effective Communication	2 Days (01- 02 August, 2020)
Dr Khushbu Trehan	National Webinar on Classroom Communication Strategies for Teacher Trainees	1 Day (02 August, 2020)
Dr Khushbu Trehan	Webinar- Self Development Program on "How to Become Your Version 2.0" on Video Resume on Emotional Intelligence	1 Day (12 August)
Dr Khushbu Trehan	Mind Control: Managing Your Mental Health During COVID- 19	19.09.2020 (Weeks)
Dr Khushbu Trehan	Workshop on Crack any Interview	2 Days (05-06 December, 2020)
Dr Khushbu Trehan	Webinar on Action Research	1 Day (10 December, 2020)

Dr Khushbu Trehan	Webinar on Education World's India School Rankings and the Role of Teachers	1 Day (12 December, 2020)
Prof. Sindhu Nair	SAS FDP: SAS Programming/Visual Analytics/Predictive Modelling	August 2020 (3 weeks)
Prof. Sindhu Nair	SAS FDP SHAPING A DATASCIENCE CURRICULUM	Oct 2020 (1 week)
Prof. Sindhu Nair	12-WEEK AICTE – APPROVED FDP ON APPLIED NLP	July to Dec 2020(12 weeks)
Prof. Sindhu Nair	12-WEEK AICTE – APPROVED FDP ON DEEP LEARNING	Jan to Apr 2021(12 weeks)
Prof. Kriti Srivastava	Shaping a Data Science Curriculum	05-04-2021 to 09-04-2021
Prof. Kriti Srivastava	Applications of Microsoft Power Automated & Virtual	6/5/2021
Dr. Ramchandra Mangrulkar	Machine Learning and AI using Python	14-05-2021 to 26-05-2021
Dr. Ramchandra Mangrulkar	Role of Machine Learning & Artificial Intelligence in Data Analytics	24-03-2021 to 26-03-2021
Prof. Aniket Kore	Essentials of Linux system administration	16-4-2021 to 17-4-2021
Prof. Aniket Kore	One day workshop on Applications of microsoft power automate & virtual assistant for AI Educational bots	6/5/2021
Prof. Lynette Dmello	Faculty Development Program- Student Induction on UHV	03-05-2021 to 07-05-2021
Prof. Lynette Dmello	Recent Advancements in Software Development Practices, Artificial Intelligence and Communication Technologies: Digi tal India Perspectives	30-11-2020 to 4-12-2020
Prof.Pranit Bari	Recent Advancements in Software Development Practices, Artificial Intelligence and Communication Technologies: Digi tal India Perspectives	30-11-2020 to 4-12-2020
Prof. Ruhina Karani	AICTE-ATAL's Reinforcement Learning and Its Applications-	07-06-21 to 11-06-2021
Prof. Ruhina Karani	AICTE-ATAL's Computer Vision and Pattern Recognition: Challenges and Opportunities- 1 Week,	21-09-2020 to 25-09- 2020
Prof. Ruhina Karani	AICTE-ATAL's Computer Science & Biology	19-10- 2020 to 23-10-2020
Prof. Ruhina Karani	AICTE's Inculcating Universal Human Values in Technical Education	18-07-2020 to 22-07- 2020

Prof. Ruhina Karani	IBM's APPLIED STATISTICAL ANALYSIS	28-06- 2020 to 02-07- 2020
Prof. Deepika Dongre	Deep Learning and Artificial Intelligence	21-09-2020 to 25-09- 2020
Prof. Deepika Dongre	APPLIED MACHINE LEARNING AND DATA SCIENCE	17-05-2021 to 21-05- 2021
Prof. Deepika Dongre	Data Sciences	20-10- 2020 to24-10-2020
Dr. Chetashri Bhadane	Data Sciences	20-10- 2020 to24-10-2020
Prof.Khushali Deulkar	Universal Hunam Values in technical education	05-08-2020 to 09-08-2020
Prof.Khushali Deulkar	Personal Effectiveness	21-09-2020 to 25-09-2020
Prof.Khushali Deulkar	Stress-management	26-08-2020 to 30 -08-2020
Dr. Chetashri Bhadane	Stress-management	26-08-2020 to 30 -08-2020
Prof. Pankaj Sonawane	Machine Learning Using Python	10-08-2020 to 14-08-2020
Prof. Pankaj Sonawane	Research Methods in Science, Engineering & Technology	02-05-2021 to 06-05-2021
Lakshmi Kurup	Machine Learning & AI using Python(Knowledge Solutions India) Webinar	28-05-2021(2 weeks)
Lakshmi Kurup	Emotional Intelligence-	07-06-2021 to 11-06-2021
Lakshmi Kurup	AICTE Sponsored Short Term Training Program on GPU COMPUTING	26-07-2021 to 31-07-2021
Lakshmi Kurup	Predictive Intelligence Models and its Applications	12-07-2021 to 16-07-2021
AK	Coursera: Assessment in Higher Education: Professional Development for Teachers	5 Weeks
PK	Coursera: Assessment in Higher Education: Professional Development for Teachers	5 Weeks
PS	Coursera: Assessment in Higher Education: Professional Development for Teachers	5 Weeks

PB	Coursera: Assessment in Higher Education: Professional Development for Teachers	5 Weeks
SB	Coursera: Assessment in Higher Education: Professional Development for Teachers	5 Weeks
DD	Coursera: Assessment in Higher Education: Professional Development for Teachers	5 Weeks
LD	Coursera: Assessment in Higher Education: Professional Development for Teachers	5 Weeks
RK	Coursera: Assessment in Higher Education: Professional Development for Teachers	5 Weeks
KD	Coursera: Assessment in Higher Education: Professional Development for Teachers	5 Weeks
KS	Coursera: Assessment in Higher Education: Professional Development for Teachers	5 Weeks
KB	Coursera: Assessment in Higher Education: Professional Development for Teachers	5 Weeks
AG	Coursera: Assessment in Higher Education: Professional Development for Teachers	5 Weeks
RM	Coursera: Assessment in Higher Education: Professional Development for Teachers	5 Weeks
AK	Learning To Teach Online	6 weeks
PK	Learning To Teach Online	6 weeks
PS	Learning To Teach Online	6 weeks
PB	Learning To Teach Online	6 weeks
SB	Learning To Teach Online	6 weeks
DD	Learning To Teach Online	6 weeks
LD	Learning To Teach Online	6 weeks
RK	Learning To Teach Online	6 weeks
KD	Learning To Teach Online	6 weeks
KS	Learning To Teach Online	6 weeks
KB	Learning To Teach Online	6 weeks

AG	Learning To Teach Online	6 weeks
RM	Learning To Teach Online	6 weeks
SN	Learning To Teach Online	6 weeks
Shruti N Dodani	Machine Learning: Application in Communication & Signal Processing	21-24 July 2021
Shruti N Dodani	Computational Linguistics & Natural Language Processing	21-24 Dec 2020
Shruti N Dodani	Deep Learning	26-30 Nov 2020
Shruti N Dodani	Intellectual Property Rights	24-Aug-20
Shruti N Dodani	Satellite Photogrammetry & its Application	29June 2020 to 03 July2020
Shruti N Dodani	Assessment in Higher Education	5-Jul-20
Shruti N Dodani	Learning to Teach Online	6-Jul-20
Shruti N Dodani	Coursera,Basic Statistics,	13-Jul-20
Shruti N Dodani	Data Science Math Skills	2-Aug-20
Shruti N Dodani	Understanding and Visualizing Data with Python	25-Aug-20
Shruti N Dodani	Inferential Statistical Analysis with Python,	18-Sep-20
Shruti N Dodani	Fitting Statistical Models to Data with Python	20-Oct-20
Purva C Badhe	Machine Learning: Application in Communication & Signal Processing	21-24 July 2021
Purva C Badhe	Intellectual Property Rights	24-Aug-20
Purva C Badhe	Deep Learning	26-30 Nov 2020
Purva C Badhe	Assessment in Higher Education	July 2020
Purva C Badhe	Learning to Teach Online	July 2020
Purva C Badhe	Improving Deep Neural Networks: Hyper-parameter tuning, Regularization and Optimization	July 2020
Purva C Badhe	Structuring Machine Learning Projects	July 2020
Purva C Badhe	Python Basics	July 2020
Purva C Badhe	"Including Universal Human values in Technical Education"	1st to 5th Feb 2021
Purva C Badhe	Machine Learning: Algorithms and Applications in Data Science"	5th Oct to 10th Oct 2020

Purva C Badhe	"Improving Teaching Learning Experience using Best Practices"	15th June 2020 to 19th June 2020
Purva C Badhe	"Outcome based Education and NBA"	29th June to 3rd July 2020
Purva C Badhe	"Advances of Artificial Intelligence and Machine Learning in Societal Development"	16th Aug to 20th Aug 2021
Purva C Badhe	"Leadership and Excellence in Higher Education"	23rd Aug to 27th Aug 2021
Mangal Dandekar	"Intellectual Property Rights"	24th August 2020
Mangal Dandekar	"Connected Vehicles"	25th August 2020
Mangal Dandekar	"Innovation Ambassador training (Advanced Level)"	30th June 2021 to 30th July 2021
Mangal Dandekar	"A Crash Course in Data Science"	2nd July 2020
Mangal Dandekar	"Learning To Teach Online"	7th July 2020
Mangal Dandekar	"Assessment In Higher Education : Professional Development For Teachers"	11th July 2020
Mangal Dandekar	"AI For Everyone"	25th July 2020
Mangal Dandekar	"Spreadsheets For Beginners Using Googlesheets"	29th July 2020
Mangal Dandekar	"Perfect Tenses and Modals"	27th August 2020
Mangal Dandekar	"How to write a successful research paper "	14th January 2021
Mangal Dandekar	"Research Methodology "	16th January 2021
Mangal Dandekar	" Successful Research Papers : Concepts to Submission"	28th July 2020
Mangal Dandekar	" Basics of Machine Learning and Deep Learning"	15th June 2021
Mangal Dandekar	Hand-on with MATLAB	18th-23rd Jan 2021
Vivek Deodeshmukh	"Descriptive Analytics"	26th November to 30 Nov 2020
Vivek Deodeshmukh	"Machine Learning"	3rd July to 7th July 2020
Vivek Deodeshmukh	"SAS Base Programming 1&2"	27th to 31th July 2020
Vivek Deodeshmukh	"Applied Analytics Using SAS(R) Enterprise Miner™"	17th to 19th August2020
Vivek Deodeshmukh	"Enterprise Guide(R): ANOVA, Regression, and Logistic Regression"	12th to 14thAugust 2020

Vivek Deodeshmukh	"Visual Analytics using SAS 1 &2"	3rd to 6th August 2020
Vivek Deodeshmukh	"Learning to Teach Online"	20 July 2020
Dr. Vaibhavi Sonetha	Machine Learning	22nd – 25th July, 2020
Dr. Vaibhavi Sonetha	Applied statistical Analysis	28th June – 2 nd July, 2020
Dr. Vaibhavi Sonetha	Natural Language Processing with Google AI and Dialogflow and its applications	24 th to 29th May, 2021
Dr. Vaibhavi Sonetha	Applied Machine Learning, AI and its application using python	14th to 25th April, 2021
Dr. Vaibhavi Sonetha	Appled deep learning, NLP and computer vision with python	26th april to 9th May 2021
Dr. Vaibhavi Sonetha	Leveraging Artificial Intelligence and Data Analytics for healthcare	4th to 9th Jan 2021
Dr. Vaibhavi Sonetha	Improving Teaching Learning Experience using Best Practices	15th June 2020 to 19th June 2020
Dr. Vaibhavi Sonetha	Computational Linguistics & Natural Language Processing	21st – 24th Dec, 2020
Dr. Vaibhavi Sonetha	Deep Learning	26th – 30th Nov, 2020
Dr. Vaibhavi Sonetha	SAS programming	29th to 31st July, 2020
Dr. Vaibhavi Sonetha	SAS Visual Analytics	4th to 6th August, 2020
Dr. Vaibhavi Sonetha	SAS Enterprse Guide	14th to 19th August, 2020
Dr. Vaibhavi Sonetha	IBM data science professional certificate	4th to 10th July, 2020
Dr. Vaibhavi Sonetha	Python for Everybody: Specialization, University of Michigan	17th to 21st June, 2020
Dr. Vaibhavi Sonetha	The Data Scientist's Toolbox, John Hopkins University	22nd June 2020
Dr. Vaibhavi Sonetha	R Programming, John Hopkins University	24th June 2020
Dr. Vaibhavi Sonetha	Statistical Inference, John Hopkins University	27th June 2020
Dr. Vaibhavi Sonetha	AI for Everyone	14th June 2020
Dr. Vaibhavi Sonetha	A Crash Course in Data Science, John Hopkins University	14th June 2020
Dr. Vaibhavi Sonetha	Assessment in Higher Education: Professional Development for Teachers	14th July, 2020

Dr. Vaibhavi Sonetha	Learning to Teach Online	14th July 2020
Mr. C.K.Beral	Deep Learning	26th – 30th Nov, 2020
Mr. C.K.Beral	Embeded Technology for IOT	7th -10th Dec2020
Mr. C.K.Beral	IOT ENTERPRISE SOLUTION ARCHITECTURE	29 - 23 July 2021
Mr. C.K.Beral	Object Localization with TensorFlow	23 Mrach2021
Mr. C.K.Beral	Handle Missing Survey Data Values in Google sheet	27 Mrach2021
Mr. C.K.Beral	Chi-Squared Test in Google Sheets	22 Mrach2021
Mr. C.K.Beral	Compose and Program Music in Python using Earsketch	22 Mrach2021
Mr. C.K.Beral	Transfer Learning for NLP with TensorFlow Hub	23 Mrach2021
Mr. C.K.Beral	Python Basics	23 Mrach2021
Mr. C.K.Beral	Training and Development with Eduflow	24 Mrach2021
Mr. C.K.Beral	'PSIM Software and its Applications in Power Electronics	22th May 2021
Mr. C.K.Beral	Telecommunication Networks"(sttp)	03rd May to 08th May, 2021.
Mr. C.K.Beral	"Telecommunication Networks- Phase II(sttp)	05 th July to 10 th July, 2021.
Mr. C.K.Beral	"DIGITAL SKILL DEVELOPMENT FOR PROFESSIONALS" (Phase-II)	08/02/2021 to 13/02/2021
Mr. C.K.Beral	Research Areas in Technologies For Societal and Rural Development(STTP)	21st December 2020 to 1 st January 2021
Mr. C.K.Beral	One Week STTP on Academic Innovationsin Industry 4.0"	14th December 2020 to 19th December 2020
Dr. Manali J. Godse	Assessment in Higher Education: Professional Development for Teachers	11.07.2020
Dr. Manali J. Godse	Digital Manufacturing & Design	03.07.2020
Dr. Manali J. Godse	Learning to Teach Online	05.07.2020
Dr. Manali J. Godse	Positive Psychology	13.08.2020
Dr. Manali J. Godse	Supply Chain Logistics	22.07.2020
BS,	Remote Sensing Applications in Agricultural Water Management, IIRS – ISRO,	03/08/2020 to 07/08/2020
BS,	Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System, IIRS – ISRO,	17-08-2020 to 20-11-2020

BS,	Research Areas in Technologies For Societal and Rural Development, FRCRCE, Bandra	21/12/2020 to 01/01/2021
SAK	AICTE sponsored STTP on Recent Advancements of Computational Electromagnetics in Modern Microwave Antennas	23 Nov - 28 Nov 2020
SAK	STTP TEQIP-3 on Evolution of RF Electromagnetics from Microwave to mmWave Technologies	19 Dec-23 Dec 2020
SAK	One day workshop on Sequel App	16th January2021
MRR	IoT : Product Design Development and Implementation	02-08-2021 to 06-08-2021
MRR	IoT: Applications in Medical Science	09-08-2021 to 13-08-2021
MRR	Data Science	16-08-2021 to 20-08-2021
MRR	Emerging Materials, Sensors and Devices for IoT and Industry 4.0	23-08-2021 to 27-08-2021
MRR	FDP on Intellectual Property Rights	24-08-2020
MRR	Inculcating Universal Human Values in Technical Education	1 February - 5th February 2021
VN	Intellectual Property Rights	24-08-20
VN	Future of Automation, Control & Technologies	26 to 30 December 2020
VN	Recent Trends in Green Energy and Smart Grids	20 to 24 December 2020
VN	FDP - Shaping a Data Science Curriculum	3 to 7 May 2021
PSJ	NL India - Climate Smart Agriculture, RVO - Webinars, Netherlands	24-06-2020
PSJ	Successful research paper: Concept to Submission, Webinar.	28-07-2020
PSJ	Relevance of IEEE Standards in Teaching, Learning and Industry Collaborations.	4/6/2020
PSJ	Importace of Engineering Education, Webinar by MITAOE, Alandi	25-05-2020
PSJ	Python 3.4.3, FDP by Spoken Tutorial, IIT - Bombay	3rd to 7th May 2020
SN	Improving teaching learning experiences using best practices	15th to 19th June 2020
SN	Electric vehicles	5th to 9th Oct 2020

SN	Energy Storage	27th to 31st Oct 2020
SN	MHRD Innovation cell innovation	28th April to 22nd May 2020
SN	Innovation Ambassador training (Advanced level)	30th June to 30th July 2021
BS	"Emerging Trends In The Field Of Artificial Intelligence And Machine Learning Applications"	14/06/2021 - 18/06/2021
RK	Internet of Things(IOT)	26/10/2020- 30/10/2020
RK	Flexible and Wearable Antennas: Recent Advancements, Fabrication Techniques and Applications	12/10/2020- 16/10/2020
RK	Improving teaching learning experiences using best practices	15th to 19th June 2020
RK	Smart Computing	12/7/2021- 16/7/2021
RK	Successful research paper: Concept to Submission, Webinar.	28-07-2020
SAK	Microwave Theory & Techniques	July-Nov 2020
SAK	Millimeter wave technology	July-Nov 2020
MRR	Python for data science	Jan-Feb 2020
PSJ	Introduction to Industry 4.0 and Industrial Internet of things	Sept - Dec 2020
PSJ	Introduction to internet of things	Sept - Dec 2020
BS	Programming in Java	Jan-April 2021
BS	Learning to Teach Online	July - Aug 2020
SAK	Learning to Teach Online	July - Aug 2020
RK	Learning to Teach Online	July - Aug 2020
MRR	Learning to Teach Online	July - Aug 2020
BS	Foundations of Virtual Instruction	July - Aug 2020
MRR	Foundations of Virtual Instruction	July - Aug 2020
DS	Foundations of Virtual Instruction	July - Aug 2020
BS	Foundations of Teaching for learning : Introduction to stuent assesment	July - Aug 2020
DS	Foundations of Teaching for learning : Introduction to stuent assesment	July - Aug 2021

BS	Assessment in Higher Education: Professional Development for Teachers	July - Aug 2020
RK	Assessment in Higher Education: Professional Development for Teachers	July - Aug 2020
MRR	Assessment in Higher Education: Professional Development for Teachers	July - Aug 2020
BS,	What is "the mind" and what is artificial intelligence?	July - Aug 2020
BS,	Methods for Solving Problems	July - Aug 2020
BS,	Computational Vision	July - Aug 2020
BS,	Interpersonal, Developmental, and Evolutionary Perspectives of the Mind	July - Aug 2020
SAK	Linear Circuits-DC Analysis	August - September 2020
SAK	Business Applications of Hypothesis Testing and confidence interval estimation	July 2020
SAK	Introduction to satellite communication	June- July 2020
SAK	Python Functions, Files, and Dictionaries	June- July 2020
MRR	Python Functions, Files, and Dictionaries	June- July 2020
SAK	Python programming essentials	July 2020
MRR	Python, Classes and Inheritance	July 2020
MRR	Basic Statisctics	August - September 2020
VN	Get Interactive: Practical Teaching with Technology	June- July 2020
VN	Performance Assessment in the Virtual Classroom	June- July 2020
VN	Introduction to the Internet of Things and Embedded Systems	June- July 2020
VN	The Arduino Platform and C Programming	July - Aug 2020
VN	Interfacing with the Arduino	July - Aug 2020
PSJ	Learning to Teach Online	July - Aug 2020
SN	Getting started with SAS programming	July - Aug 2020
SN	Getting started with SAS Visual Analytics	July - Aug 2020
SN	Doing more with SAS Programming	July - Aug 2020
SN	Learning to Teach Online	July-Aug 2020

SN	Solar energy	July - Aug 2020
SN	Probabilty and statistics	July - Aug 2020
BS	Introduction to Java	April - May 2021
SAK	Applied Statistics	28th June to 2nd July 2020
SAK	Machine Learning	22nd July to 26th July 2020
SAK	Deep Learning	26 Nov-30 Nov 2020
SAK	Computational linguistic & Natural language processing	21 Dec-24 Dec 2020
SAK	Pattern & Anomaly detection	07 June-11 June 2021
MRR	IoT Enterprise Solution Architecture	19July - 23July 2021
MRR	Analytics of IoT	07 June-11 June 2021
VN	SENSOR INSTRUMENTATION AND TECHNOLOGY	28 June - 1 July 2020
SN	SENSOR INSTRUMENTATION AND TECHNOLOGY	28 June - 1 July 2020
SN	Wireless sensor network	2 july -4 July 2020
RK	SENSOR INSTRUMENTATION AND TECHNOLOGY	28 June - 1 July 2020
RK	Wireless sensor network	2 July -4 July 2020
RK	Embeded Technology for IOT	7 Dec -10 Dec 2020
RK	IoT Enterprise Solution Architecture	19July - 23July 2021
RK	Analytics of IoT	07 June-11 June 2021
SN	SAS (R) Programming 1: Essentials	27th to 29th July 2020
SN	SAS (R) Programming 2 : Data Manipulation Technique	30th to 31st July 2020
SN	SAS (R) Visual Analytics 1 for SAS(9) Basics	2nd to 4 Aug 2020
SN	SAS (R) Visual Analytics 2 for SAS(9) Advanced	5th Aug to 6th Aug 2020
SN	SAS (R) Enterprise Guide: Annova, Regression, logistics regression	12th to 14th Aug 2020

SN	Applied Analytics using SAS enterprise miner	15th to 19th Aug 2020
SC	5-week online course on "Performance Assessment in the Virtual Classroom"	
(VS	5-week online course on "Learning to Teach Online"	
NK	5-week online course on "Learning to Teach Online"	
SC	5-week online course on "Learning to Teach Online"	
NR)	5-week online course on "Learning to Teach Online"	
(ARJ)	webinar on "Outcome Based Education"	
(SC)	5-week online course on "Cybersecurity Roles, Processes & Operating System Security!"	
(VS)	4-week online course on The Blockchain	
(VS)	guided project on Visualizing Citibike Trips with Tableau	
(VS)	guided project on Image Processing with Python	
(NR)	4-week online course on "Java Programming:solving problems with software"	
(NK)	4 week online course on "Python Basics"	
(NK)	7 week online course on "Python Data Structures"	
(HD)	"The Data Scientist's Toolbox" an online non-credit course	
(HD)	"AWS Fundamentals: Going CloudNative" an online non-credit course	
(HD)	"Data Science Math Skills" an online non-credit course	
(SC)	4-week online course on "Cryptography and Information Theory"	
(NK)	5 week online course on "Using Databases with Python"	
(HD)	"Getting Started with SAS Programming" an online non-credit course	
(HD)	"Introduction to Blockchain: Benefits, Values and Opportunities" an online non-credit course	
(HD)	"Information Security: Context and Introduction" an online non-credit course	

(HD)	"Blockchain Transformations of Financial Services" an online non-credit course	
(NK)	6 week online course on "Using Python to Access Web Data	
(NK)	online, non-credit Specialization course "Python for Everybody"	
(ARJ)	Faculty Development Program on "Intellectual Property Rights"	24th August 2020
(SC)	Faculty Development Program on 'ETL in the age of Artificial Intelligence'	26-Sep-20
(ARJ)	4 weeks course on "Design Thinking - A Premier"	Sept-Oct 2020
(VS)	guided project on "Detecting COVID-19 with Chest XRay using PyTorch"	
(VS	ATAL FDP on Design Thinking	7th -11th December 2020.
NK	ATAL FDP on Design Thinking	7th -11th December 2020.
PT)	ATAL FDP on Design Thinking	7th -11th December 2020.
(NR)	ATAL FDP on IOT	11th-15th of January 2021
(ARJ)	Faculty Development Program of 4 weeks course on "Effective Engineering Teaching in Practice"	Jan-Feb 2021
(ARJ)	Faculty Development Program of 4 weeks course on "Effective Engineering Teaching in Practice"	Jan-Feb 2021
PT)	Faculty Development Program of 4 weeks course on "Designing Learner-centric MOOC"	Jan-Feb 2021
(VS)	NPTEL course of 8 weeks on "Cloud Computing"	(Feb-Apr 2020
(HD)	2nd One Week Short Term Training Program (ONLINE MODE) On Research Methodology: Tools and Techniques - II	February 1 -5, 2021
(NR)	8 weeks NPTEL course by AICTENITTT on "Student Assessment and Evaluation"	Mar -May 2020
(NR)	4 weeks NPTEL course on "Python for data Science"	(Jan-Feb 2021
(NK)	one week STTP on "Recent Trends in Statistical Analysis"	29th March 2021 to 3rd April 2021

(AJ)	5-days online Faculty Development Program on "Inculcating Universal Human Values in Technical Education"	24th May 2021 to 28th May 2021
(NK	one day workshop on "Applications of Microsoft Power Automate & Virtual Assistant for AI Educational Bots"	5th June 2021
AJ)	one day workshop on "Applications of Microsoft Power Automate & Virtual Assistant for AI Educational Bots"	5th June 2021
(NK)	technical talk on "Artificial Intelligence & Video Analytics",	11th June 2021
(VS	seminar on "Basics of Machine LEarning and Deep Learning"	15th June 2021
ARJ	seminar on "Basics of Machine LEarning and Deep Learning"	15th June 2021
NK	seminar on "Basics of Machine LEarning and Deep Learning"	15th June 2021
AJ	seminar on "Basics of Machine LEarning and Deep Learning"	15th June 2021
PT	seminar on "Basics of Machine LEarning and Deep Learning"	15th June 2021
NR)	seminar on "Basics of Machine LEarning and Deep Learning"	15th June 2021
(VS)	One Week Faculty Development Program on "Strategies for Sustaining Quality Culture in Autonomous colleges"	21st - 25th June 2021
(PT)	seminar on "Design filing process in India, Copyright filing process in India"	
(AJ)	3-days online Faculty Development Program on "Industry 4.0-The Way Forward"	29th June - 1st July 2021
(MD)	5-week online course on "Performance Assessment in the Virtual Classroom"	
(MD)	3-week online course on "Data Collection and Processing with Python"	
(MD)	webinar on "Expectation of Industry during Covid-19"	
(MD)	3-week online course on "Python Classes and Inheritance"	
(MD)	webinar on "Progressive Web Application Development"	
(MD)	3 day FDP on "Interactive-Impactful E-Learning Techniques"	
(VS	Online Webinar on "Successful Research Papers: Concepts to Submission"	28th July, 2020.
NK	Online Webinar on "Successful Research Papers: Concepts to Submission"	28th July, 2020.

HD	Online Webinar on "Successful Research Papers: Concepts to Submission"	28th July, 2020.
NR)	Online Webinar on "Successful Research Papers: Concepts to Submission"	28th July, 2020.
(VS	one day National Webinar on "NAAC Revised Accreditation Guidelines & Role of IQAC in Post Covid-19 Era"	
NK)	one day National Webinar on "NAAC Revised Accreditation Guidelines & Role of IQAC in Post Covid-19 Era"	
(VS)	online course on "Assessment in Higher Education: Professional Development for Teachers"	
Ravikant Hattale	Tribology and Its Applications	18 - 22 January 2021
Ravikant Hattale	Shaping a Data Science Curriculum	22-26 February 2021
Ravikant Hattale	Data Analysis in MS Excel	29 June-04 July 2020
Ravikant Hattale	Assement in Higher Education	12 th July 2020
Ravikant Hattale	Learning To Teach Online	21 th July 2020
Ravikant Hattale	SAS (Base Programming, Visual Analytics, Predictive Modelling)	29 July 2020-14 August 2020
Ravikant Hattale	Intellectual Property Rights	24-Aug-20
Ravikant Hattale	Connected Vehicles	25-Aug-20
Vinit Katira	Emerging trends in Refrigeration and Air conditioning	1st - 6th June 2020
Vinit Katira	A Journey into the Manufacturing Sector in India in view of Industry 4.0 practices and COVID-19	9th - 13th June 2020
Vinit Katira	Advanced & Research Opportunities In Internal Combustion Engines	16th - 20th June 2020
Vinit Katira	Transformation in Engine Technology and Electric Vehicles	22nd - 27th June 2020
Vinit Katira	Learning To Teach Online	14th July 2020
Vinit Katira	Assement in Higher Education	22nd July 2020
Vinit Katira	Intellectual Property Rights	24th August 2020
Vinit Katira	Connected Vehicles	25th August 2020

Vinit Katira	Design - Past, Present & Future	13th June 2020
Vyankatesh Bagal	Assement in Higher Education	12 th July 2020
Vyankatesh Bagal	Learning To Teach Online	21 th July 2020
Vyankatesh Bagal	Institution's Innovation Council's Online Sessions	7 th July 2020
Vyankatesh Bagal	Innovation, Entrepreneurship and its Relevance in Industry 4.0	25th - 29th May 2020
Vyankatesh Bagal	Data Science and Applications	23rd May 2020
Rajnarayan Yadav	Learning to Teach Online	25th JULY 2020
Rajnarayan Yadav	Assessment of Higher education professional development for teachers	30th JULY 2020
Rajnarayan Yadav	Mechanics of Materials- III	14TH SEPT 2020
Rajnarayan Yadav	Mechanics of Materials- IV	12TH NOV 2020
Rajnarayan Yadav	Solar Basics	28TH AUG 2020
Rajnarayan Yadav	Mechanics of Advance composite Materials	9TH-13TH FEB 2021
Rajnarayan Yadav	Theory and analysis of Laminate composite and functionally graded Materials	8TH-11TH SEPT 2020
Rajnarayan Yadav	Successful Research papers: concepts to submission	28th july 2020
Rajnarayan Yadav	Recent Research Trends in Tribology :Webinar series	3RD -7TH JULY 2020
Rajnarayan Yadav	Intellectual Property rights	24TH AUG 2020
Dhaval Birajdar	Assessment in Higher Education: Professional Development for Teachers	
Dhaval Birajdar	Introduction to project management	
Dhaval Birajdar	Advanced Manufacturing Enterprise	
Dhaval Birajdar	Learning to Teach Online	
Dhaval Birajdar	AI For Everyone	
Dhaval Birajdar	Digital Manufacturing & Design	
Dhaval Birajdar	Understanding Research Methods	
Dhaval Birajdar	Industry 4.0 Scenario after Covid 19	
Dhaval Birajdar	One Week Online Faculty Development Program on R	

Dhaval Birajdar	"Srujan-The way Ahead" based on "The Effective Techniques of Teaching and E-Commerce"	
Dhaval Birajdar	GREEN MANUFACTURING : THE PRESENT & THE FUTURE	
Dhaval Birajdar	"Career Prospects in Mechanical Engineering after Covid -19	
Rohit Chaurasia	Assessment in Higher Education: Professional Development for Teachers	
Rohit Chaurasia	Introduction to project management	
Rohit Chaurasia	Advanced Manufacturing Enterprise	
Rohit Chaurasia	Learning to Teach Online	
Rohit Chaurasia	AI For Everyone	
Rohit Chaurasia	Understanding Research Methods	
Rohit Chaurasia	Industry 4.0 Scenario after Covid 19	
Rohit Chaurasia	One Week Online Faculty Development Program on R	
Rohit Chaurasia	Computational Tool and Techniques METLAB and ANSYS. .(Government college of Engineering ,Karad	
Rohit Chaurasia	Outcome Based Education: A Step Towards Excellence.(Government college of Engineering ,Karad)	
Rohit Chaurasia	The Effective Techniques of Teaching and E-Commerce. (Saraswati College of Engineering Navi-Mumbai)	
Bronin Cyriac	Assement in Higher Education	11-Aug-20
Bronin Cyriac	Learning To Teach Online	16-Aug-20
Dr.Vinayak H. Khatawate	3D Printing & Design	01/02/2021 to 05/02/2021
Dr.Vinayak H. Khatawate	Robotics	24/08/2020 to 28/08/2020
Dr.Vinayak H. Khatawate	Design Thinking	30/09/2020 to 04/10/2020
Dr.Vinayak H. Khatawate	Learning to Teach Online	
Dr.Vinayak H. Khatawate	AI For Everyone	

Dr.Vinayak H. Khatawate	Mechanics of Materials-1	
Dr.Vinayak H. Khatawate	Mechanics of Materials-2	
Dr.Vinayak H. Khatawate	Mechanics of Materials-3	
Dr.Vinayak H. Khatawate	Data analytics for Lean Six Sigma	
Dr.Vinayak H. Khatawate	Machine learning for all	
Dr.Vinayak H. Khatawate	Assessment in Higher Education: Professional Development for Teachers	
Dr.Vinayak H. Khatawate	Intellectual Property Rights	24th August 2020
Dr.Vinayak H. Khatawate	Connected Vehicles	25th August 2020
Dr.Vinayak H. Khatawate	Kinematics of Mechanisms and Machines	JAN-MAR-2021
Dr.Vinayak H. Khatawate	A Journey into the Manufacturing Sector in India in view of Industry 4.0 practices and COVID-19	9th - 13th June 2020
Prashantkumar Patankar	Assement in Higher Education	12 th July 2020
Prashantkumar Patankar	Learning To Teach Online	21 th July 2020
Prashantkumar Patankar	Innovation, Entrepreneurship and its Relevance in Industry 4.0	25th - 29th May 2020
Prashantkumar Patankar	"OUTCOME BASED EDUCATION: A STEP TOWARDS EXCELLENCE"	11-15 May 2020
Prashantkumar Patankar	Data Science and Applications	23rd May 2020

Prasad Suresh Shirodkar	EXPERIMENTAL DESIGN BASICS	
Prasad Suresh Shirodkar	Faculty Development Program on "Connected Vehicles" on 25 Aug 2020	
Prasad Suresh Shirodkar	(ATAL) Academy Online Elementary FDP on "Educational Technology – Integration and Interaction" from 2021-6-6 to 2021-6-10 at ALIGARH MUSLIM UNIVERSITY CENTRE, MALAPPURAM.	
Prasad Suresh Shirodkar	Workshop on IP practical aspects - Patent drafting & filing, Trademark & copyright filing, 17 – 22 May-2021, at, IIT Kharagpur	
Prasad Suresh Shirodkar	Faculty Devolvement Program on "Advances in Machining, Manufacturing and Computing Process", 24th – 29th MAY, 2021, conducted at Faculty of Engineering & TechnologyJAIN (Deemed-to-be University)	
Prasad Suresh Shirodkar	One week FDP on Outcome based Pedagogy for Effective Teaching and Learning in Engineering Education, 14th June – 18th June, conducted at SKN Singhagad College Engineering, Pandharpur.	
Prasad Suresh Shirodkar	(ATAL) Academy Online Advanced FDP on "Redesigning Pedagogy: Educating for Innovation & Fostering for Society" from 2021-6-21 to 2021-6-25 at A. R. COLLEGE OF PHARMACY & G. H. PATEL INSTITUTE OF PHARMACY.	
Prasad Suresh Shirodkar	Short Term Training Program on "techniques for promoting creativity and innovation among students" approved by AICTE - ISTE, New Delhi during 24/05/2021 to 28/05/2021 Organised by Department of Applied Science and Humanities	
Shashikant M Auti	Assessment in Higher Education: Professional Development for Teachers	
pavan rayar	3D Printing	
pavan rayar	Research Techniques and tools	
pavan rayar	Innovation Through Design: Think, Make, Break,	
pavan rayar	Entrepreneurial Strategic Management	
pavan rayar	Quantum Mechanics	

Best Practice II

Title of the practice: **Soft Skills Training**

Goal

Soft skills refer to an individual's character trait as well as interpersonal skills that influences how well an individual can work and interact with others both in professional as well as personal life. We at D J Sanghvi focus on imparting wide range of skills as diverse as teamwork, time management, empathy & delegation to trustworthiness, adaptability, personal integrity, leadership, time management, taking initiative, communicating effectively and listening. These skills make it easier to form relationships with people, create trust and dependability, and lead teams.

The Context

World Economic Forum has suggested emotional intelligence as one of the most important skills required at workplace. Skills, such as listening, collaborating, presenting ideas and communicating with colleagues are all highly valued in the professional world. Good soft skills bring about a productive, collaborative and healthy work environment, which is crucial in today's dynamic digital world.

The Practice

Soft skills and competencies in communication are imparted to the students through subjects like, Communication Skills and Business Communication & Ethics subjects in Sem II and Sem V across all programmes. However, considering the growing need for good interpersonal skills, additional Soft Skills training is imparted to students by the institute in the 1st year (Foundation course), 2nd year (Personality development) and 3rd Year (Pre-placement package).

While evaluating these training programmes, emphasis is laid on practical learning through team-based activities. Providing in-depth feedback on the interpersonal and behavioral aspects, which were displayed in the course of these activities, provide for a continual and practical learning experience.

Realizing this vital need, our institute has been ensuring that the soft skills training is taken up in a sustained manner for the maximum benefit of our students.

Scheme for First Year Undergraduate Program (Common to all branches) : Semester I (Autonomous)
(Academic Year 2021-2022)

Semester I

Sr	Course Code	Course	Teaching Scheme				Semester End Examination (A)						Continuous Assessment(B)							Aggregate (A+B)	Credits earned	
			Theory (hrs.)	Practical (hrs.)	Tutorial (hrs.)	Credits	Duration (Hrs)	Theory	Oral	Pract	Oral & Pract	SEE Total (A)	Term Test 1 (TT1)	Term Test 2 (TT2)	Avg (TT1 & TT2)	Termwork			CA Total (B)			
																Laboratory Work	Tutorial / Mini project / Presentation/ Journal	Term Work Total				
1	DJ19FEC101	Engineering Mathematics - I	4	--	--	4	3	75	--	--	--	75	25	25	25	--	--	--	25	100	4	5
	DJ19FET101	Engineering Mathematics - I Tutorial	--	--	1	1	--	--	--	--	--	--	--	--	--	--	25	25	25	25	1	
2	DJ19FEC102	Engineering Physics - I	2	--	--	2	3	75	--	--	--	75	25	25	25	--	--	--	25	100	2	3.5
	DJ19FEL102	Engineering Physics - I Laboratory & Tutorial	--	1	1	1.5	--	--	--	--	--	--	--	--	--	25	25	50	Scaled to 25	25	1.5	
3	DJ19FEC103	Engineering Chemistry - I	2	--	--	2	3	75	--	--	--	75	25	25	25	--	--	--	25	100	2	3.5
	DJ19FEL103	Engineering Chemistry - I Laboratory & Tutorial	--	1	1	1.5	--	--	--	--	--	--	--	--	--	25	25	50	Scaled to 25	25	1.5	
4	DJ19FEC104	Engineering Mechanics	3	--	--	3	3	75	--	--	--	75	25	25	25	--	--	--	25	100	3	4
	DJ19FEL104	Engineering Mechanics Laboratory	--	2	--	1	--	--	--	--	--	--	--	--	--	15	10	25	25	25	1	
5	DJ19FEC105	Basic Electrical & Electronics Engineering	3	--	--	3	3	75	--	--	--	75	25	25	25	--	--	--	25	100	3	4
	DJ19FEL105	Basic Electrical & Electronics Engineering Laboratory	--	2	--	1	--	--	--	--	--	--	--	--	--	15	10	25	25	25	1	
6	DJ19FEW	Workshop@	--	2	--	1	--	--	--	--	--	--	--	--	--	25	--	25	25	25	1	1@
7	DJ19A1	Indian Knowledge Tradition (Non Credit)$	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		Total	15	8	3	21	--	375	--	--	--	375	125	125	125	105	95	200	105	650	20	20

@ For Information Technology (Div A and B), Electronics and Telcommunication Engineering (Div C and D) and Computer Engineering (Div E, F and G)

$ For Mechanical Engineering (Div H and I), Computer Science and Engineering(Data Science) (Div J and K), Artificial Intelligence and Data Science (Div L), Artificial Intelligence and Machine Learning (Div M), Computer Science and Engineering(IoT, cyber seecurity with block chain) (Div N)

Shri Vile Parle Kelavani Mandal's
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING
(Autonomous College Affiliated to the University of Mumbai)
NAAC Accredited with "A" Grade (CGPA : 3.18)

Scheme for First Year Undergraduate Program (Common to all branches) : Semester II (Autonomous)
(Academic Year 2021-2022)

Semester II

Sr	Course Code	Course	Theory (hrs.)	Practical (hrs.)	Tutorial (hrs.)	Credits	Duration (Hrs)	Theory	Oral	Pract	Oral & Pract	SEE Total (A)	Term Test 1 (TT1)	Term Test 2 (TT2)	Avg (TT1 & TT2)	Laboratory Work	Tutorial / Mini project / Presentation/ Journal	Term Work Total	CA Total (B)	Aggregate (A+B)	Credits earned	
1	DJ19FEC201	Engineering Mathematics - II	4	--	--	4	3	75	--	--	--	75	25	25	25	--	--	--	25	100	4	5
	DJ19FET201	Engineering Mathematics - II _ Tutorial	--	--	1	1	--	--	--	--	--	--	--	--	--	--	25	25	25	25	1	
2	DJ19FEC202	Engineering Physics - II	2	--	--	2	3	75	--	--	--	75	25	25	25	--	--	--	25	100	2	3.5
	DJ19FEL202	Engineering Physics - II _ Laboratory & Tutorial	--	1	1	1.5	--	--	--	--	--	--	--	--	--	25	25	50	Scaled to 25	25	1.5	
3	DJ19FEC203	Engineering Chemistry - II	2	--	--	2	3	75	--	--	--	75	25	25	25	--	--	--	25	100	2	3.5
	DJ19FEL203	Engineering Chemistry - II _ Laboratory & Tutorial	--	1	1	1.5	--	--	--	--	--	--	--	--	--	25	25	50	Scaled to 25	25	1.5	
4	DJ19FEC204	Engineering Graphics *#	2	--	--	2	2	50	--	--	--	50	25	25	25	--	--	--	25	75	2	3
	DJ19FEL204	Engineering Graphics_Laboratory	--	2	--	1	--	--	--	--	--	--	--	--	--	10	15	25	25	25	1	
5	DJ19FEC205	Computer Programming *#	2	--	--	2	2	50	--	--	--	50	25	25	25	--	--	--	25	75	2	3
	DJ19FEL205	Computer Programming _Laboratory	--	2	--	1	--	--	--	--	--	--	--	--	--	25	--	25	25	25	1	
6	DJ19FEC206	Effective Communication Skills	2	--	--	2	3	75	--	--	--	75	25	25	25	--	--	--	25	100	2	3
	DJ19FEL206	Effective Communication Skills_Laboratory	--	2	--	1	--	--	--	--	--	--	--	--	--	--	25	25	25	25	1	
7	DJ19FEW	Workshop@	--	2	--	1	--	--	--	--	--	--	--	--	--	25	--	25	25	25	1	1@
8	DJ19A1	Indian Knowledge Tradition (Non Credit)$	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			14	10	3	22	--	400	--	--	--	400	150	150	150	110	115	225	325	725	22	22

* Online End sem examination

\# One term test will be online

@ For Mechanical Engineering (Div H and I), Computer Science and Engineering(Data Science) (Div J and K), Artificial Intelligence and Machine Learning (Div L), Artificial Intelligence and Data Science (Div M) Computer Science and Engineering(IoT, cyber seecurity with block chain) (Div N)

$ For Information Technology (Div A and B), Electronics and Telcommunication Engineering (Div C and D) and Computer Engineering (Div E, F and G)

SEMESTER V

Sr	Course Code	Course	Teaching Scheme				Semester End Examination (A)						Continuous Assessment (B)					Aggregate (A+B)	Credits earned	
			Theory (hrs.)	Practical (hrs.)	Tutorial (hrs.)	Credits	Duration (Hrs)	Theory	Oral	Pract	Oral & Pract	SEE Total (A)	Term Test 1 (TT1)	Term Test 2 (TT2)	Avg (TT1 & TT2)	Term Work Total	CA Total (B)			
1	DJ19ECC501	Microprocessor & Microcontroller	3	--	--	3	3	75	--	--	--	75	25	25	25	--	25	100	3	4
	DJ19ECL501	Microprocessor & Microcontroller- Laboratory	--	2	--	1	2	--	--	--	25	25	--	--	--	25	25	50	1	
2	DJ19ECC502	Digital Signal Processing	3	--	--	3	3	75	--	--	--	75	25	25	25	--	25	100	3	4
	DJ19ECL502	Digital Signal Processing -Laboratory	--	2	--	1	--	--	25	--	--	25	--	--	--	25	25	50	1	
3	DJ19ECC503	Radio Frequency Circuit Design	3	--	--	3	3	75	--	--	--	75	25	25	25	--	25	100	3	4
	DJ19ECL503	Radio Frequency Circuit Design - Laboratory	--	2	--	1	--	--	25	--	--	25	--	--	--	25	25	50	1	
4@	DJ19ECEC5011	Control Systems	3	--	--	3	3	75	--	--	--	75	25	25	25	--	25	100	3	4
	DJ19ECEL5011	Control Systems Laboratory	--	2	--	1	--	--	25	--	--	25	--	--	--	25	25	50	1	
	DJ19ECEC5012	Computer Organization & Architecture	3	--	--	3	3	75	--	--	--	75	25	25	25	--	25	100	3	
	DJ19ECEL5012	Computer Organization & Architecture - Laboratory	--	2	--	1	--	--	25	--	--	25	--	--	--	25	25	50	1	
	DJ19ECEC5013	Basic VLSI	3	--	--	3	3	75	--	--	--	75	25	25	25	--	25	100	3	
	DJ19ECEL5013	Basic VLSI -Laboratory	--	2	--	1	--	--	25	--	--	25	--	--	--	25	25	50	1	
	DJ19ECEC5014	Neural Network & Fuzzy Logic	3	--	--	3	3	75	--	--	--	75	25	25	25	--	25	100	3	
	DJ19ECEL5014	Neural Network & Fuzzy Logic - Laboratory	--	2	--	1	--	--	25	--	--	25	--	--	--	25	25	50	1	
	DJ19ECEC5015	Operating Systems	3	--	--	3	3	75	--	--	--	75	25	25	25	--	25	100	3	
	DJ19ECEL5015	Operating Systems- Laboratory	--	2	--	1	--	--	25	--	--	25	--	--	--	25	25	50	1	
	DJ19ECEC5016	Power Electronics	3	--	--	3	3	75	--	--	--	75	25	25	25	--	25	100	3	
	DJ19ECEL5016	Power Electronics- Laboratory	--	2	--	1	--	--	25	--	--	25	--	--	--	25	25	50	1	
5	DJ19ECSBC1	Data Structures & Algorithms	2	--	--	2	3	75	--	--	--	75	25	25	25	--	25	100	2	3
	DJ19ECSBL1	Data Structures & Algorithms - Laboratory	--	2	--	1	--	--	--	--	--	--	--	--	--	25	25	25	1	
	DJ19ECSBL2	Database Management System - Laboratory	--	2	--	1	--	--	--	--	--	--	--	--	--	25	25	25	1	1
#6	DJ19IHL2	Professional & Business Communication - Laboratory	--	4	--	2	--	--	--	--	--	--	--	--	--	50	50	50	2	2
7	DJ19ILL1	Innovative Product Development-III (DJ STRIKE)	--	2	--	1	--	--	25	--	--	25	--	--	--	25	25	50	1	1
		Total	14	18	--	23	17	375	100	--	25	500	125	125	125	225	350	850	23	

@ Any 1 Elective Course   # 2 hrs. of theory (class wise) and 2 hrs of activity based laboratory (batch wise)

Prepared by	Checked by			Head of the Department				Vice Principal		Principal

Syllabus for Third Year Electronics and Telecommunication Engineering-Semester V (Autonomous)

Program: Third Year B.Tech. in Electronics and Telecommunication						Semester: V			
Course: Professional and Business Communication Laboratory						Course Code: DJ19IHL2			
Teaching Scheme (Hours / week)				**Evaluation Scheme**					
				Semester End Examination Marks (A)			**Continuous Assessment Marks (B)**		**Total marks (A+ B)**
Lectures	Practical	Tutorial	Total Credits	Theory			Term Test 1	Term Test 2	Avg.
				--			--	--	--	--
				Laboratory Examination			**Term work**		**Total Term work**
--	4*	--	2	Oral	Practical	Oral & Practical	Laboratory Work	Tutorial / Mini project / presentation/ Journal	
				--	--	--	--	---	50	50

*2 hrs. Theory (Class wise) and 2 hrs. Tutorial (Batch wise)

Pre-requisite:
Basic course in Effective Communication Skills

Objectives:
1. To inculcate professional and ethical attitude at the workplace
2. To enhance communication and interpersonal skills
3. To develop effective presentation skills
4. To hone written skills for technical documentation

Outcomes: On completion of the course, learner will be able to:
1. Plan, organize and write technical documents like reports, proposals and research papers in the prescribed format using appropriate language and style with an understanding of ethics in written communication
2. Apply techniques of writing resume, participating in a group discussion and facing interviews
3. Develop interpersonal skills in professional and personal situations
4. Understand the documentation process of meetings and conduct meetings in a professional manner
5. Understand communication across cultures and work ethics
6. Design and deliver effective presentations using Power Point

Detailed Syllabus: (unit wise)

Unit	Description	Duration
	Unit 1: Technical Writing	
	Report Writing: Types of report, parts of formal report, collection of data and survey analysis, pre-writing of report, language and style in reports, formatting of reports, referencing in report	**08**
	Proposal Writing: Types of technical proposals, format of proposal, language and style, presentation of proposal	
	Technical Paper Writing: Parts of a technical paper, language and formatting, referencing in IEEE format	
	Plagiarism: Types of plagiarism, consequences of plagiarism	
	Unit 2: Employment Skills	
	Group Discussion: Purpose of a GD, types of GD, criteria for evaluating a GD, Dos and Don'ts of a GD, Tips to be successful in GD	**06**
	Cover Letter & Resume Writing: Format and content of cover letter, types of resume, structure, content and formatting of resume	
	Interview Skills: Types and modes of interview, Preparation for interview, Dos and Don'ts of interview, frequently asked questions during interview	
	Unit 3: Introduction to Interpersonal Skills	
	Emotional Intelligence: Definition, difference between IQ and EQ, how to develop EQ	**05**
	Leadership: Types of leadership, leadership styles, case studies	
	Team Building: Difference between group and team, importance of team work, strategies to be a good team player	
	Time Management: Importance of time management, cultural views of time, 80/20 rule, time wasters, setting priorities and goals,	
	Conflict Management: Types of conflicts, strategies to manage conflict, case studies	
	Unit 4: Meetings and Documentation	
	Planning and preparation for meetings, strategies for conducting effective meetings, notice, agenda and minutes of a meeting, business meeting etiquettes	**02**
	Unit 5: Cross-cultural communication and Ethics	
	Communication across cultures, professional and work ethics, responsible use of social media, introduction to Intellectual Property Rights	**03**
	Unit 6: Presentation Skills	
	Presentation strategies, overcoming stage fear, techniques to prepare effective PowerPoint presentation	**02**

List of Assignments
1. Business Proposal (PowerPoint presentation)
2. Resume writing
3. Interpersonal Skills (documentation of activity)
4. Meetings and Documentation (Notice, Agenda, Minutes of Mock Meetings)
5. Business ethics
6. Presentation Skills

Books Recommended:
Reference Books

1. Fred Luthans, *"Organizational Behavior",* McGraw Hill, edition
2. Lesiker and Petit, *"Report Writing for Business",* McGraw Hill, edition
3. Huckin and Olsen, *"Technical Writing and Professional Communication",* McGraw Hill
4. Wallace and Masters, *"Personal Development for Life and Work",* Thomson Learning, 12th edition
5. Heta Murphy*, "Effective Business Communication",* Mc Graw Hill, edition
6. Sharma R.C. and Krishna Mohan, *"Business Correspondence and Report Writing",* Tata McGraw-Hill   Education
7. Ghosh, B. N., *"Managing Soft Skills for Personality Development",* Tata McGraw Hill. Lehman,
8. Bell, Smith, "Management Communication" Wiley India Edition, 3rd edition.
9. Dr. Alex, K.," Soft Skills", S Chand and Company
10. Subramaniam, R., "Professional Ethics" Oxford University Press.
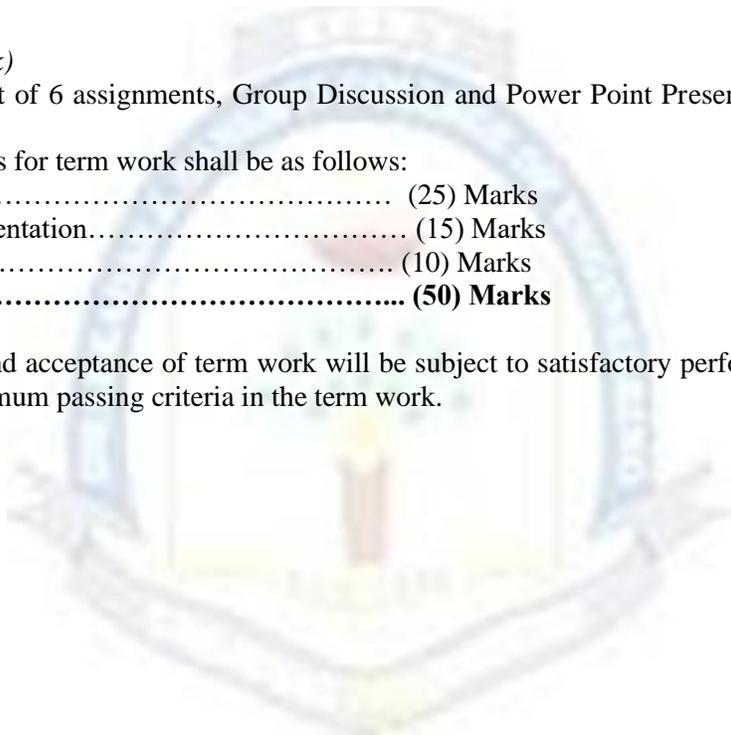
Evaluation Scheme:
Laboratory: (Term work)
 Term work shall consist of 6 assignments, Group Discussion and Power Point Presentation based on the written report
The distribution of marks for term work shall be as follows:
Assignments ………………………………………… (25) Marks
 Project Report and Presentation…………………………… (15) Marks
Group Discussion……………………………………….. (10) Marks
TOTAL: ………………………………………….... (50) Marks

The final certification and acceptance of term work will be subject to satisfactory performance of laboratory work and upon fulfilling minimum passing criteria in the term work.

Prepared by   Checked by   Head of the Department   Principal