

Name : Narayanan Kallingal				
1. Designation : ASSOCIATE PROFESSOR				
2. Contact Number/ Mobile Number : 8075623055 E-Mail : knarayanan@fragnel.edu.in				
3. Academic Qualifications (Graduation onwards):				
Under graduate : BTech in Electrical Engineering From university of Calicut 1986 (77.55 % Honors)				
Postgraduate : ME in Electrical Engineering from University of Mumbai 1997 (68.5 % First Class)				
4. Field of Expertise : Control Engineering, Digital Signal Processing, Image Processing, Robotics				
5. Participant / Resource Person in Training Program				
	Program Details	Academic Year	Participant / Resource Person	Duration
1	"Improving Excellence InTeaching" April 24-30, 2021 APCE, Pune	2020-21	Participant	1 Week
2	Modern Educational Tools and pedagogical Practices for On lineTeaching June 21-25 VIT, Wadala	2020-21	Participant	1 Week
3	'Improving Teaching Learning Experience using Best Practices'June 15-19, 2020 DJSCE, Vile Parle	2020-21	Participant	1 Week
4	Post Covid Challenges andOpportunities-A Global Perspective June 6-12, 2020 SIIM, P{ollachi	2020-21	Participant	1 Week
5	"Sensor, IoT & Machine Learning"June 1-5, 2020 KJSCE, Vidyavihar	2020-21	Participant	1 Week
6	Challenges in Electronics industry -Post Covid VESIT, Chembur May 25-29, 2020	2019-20	Participant	1 Week
7	Insights into Quality Research andInnovations VESIT, Chembur May 13-20, 2020	2019-20	Participant	2 Week
8	Technological Advancement in	2019-20	Participant	1 Week

	the field of Electronics and Telecommunication Engineering VCET Vasai May 5-9, 2020			
9	ISTE STTP on “Industrial Automation: Hands-on” by K J Somaiya College of Engineering, June 04-08, 2018	2017-18	Participant	1 Week
10	ISTE STTP on “A Journey Towards Awareness” by Fr. CRCE, Jan 01-05, 2018	2017-18	Participant	1 Week
11	“Humanities and basic Science –The four pillars of engineering “ by Fr. CRCE, Nov 19 – 30, 2012	2012 - 13	Resource Person	1 Session (in 2 weeks program)
12	“Renewable Energy Technology” - By IIT, Mumbai – May 14-18, 2012		Participant	1 Week

6. Research Publications

Publication Details		Academic Year	Co – author
1	“MRI Image Enhancement for Extra axial Hemorrhages Classification” IJRCCE 2017/July/Vol.5/Issue 7	2017 - 18	Iqra Rizvi
2	"Diagnosis of Diabetic Retinopathy Using Morphology Methods" - International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE) ISSN: 2278 – 909X Volume 5, Issue 3, March 2016 (http://ijarece.org/?page_id=2255)	2015 - 16	Nadar Laveena Lasar
3	“Comparative Analysis of two Control Strategies based on Instantaneous Reactive Power Theory for Three Phase Shunt Active Power Filter” at ICAC3 – 15, organized by CRCE, Bandra on 1 st April, 2015	2014 - 15	Anju Yadav
4	“Detection of Tumor in MRI Images Using Artificial Neural Networks” in IJAREEIE – Volume 3, Issue 9, September 2014	2014 - 15	Ms Aqhsa Syed
5	“Intensity Mapping Function based High ISO Noise Reduction in Images” – IJGTI – International Journal of Global Technology Initiatives – ISSN(print) : 2277-6591, ISSN(Online): 2320-1207, volume 3, Issue 1, March 2014 http://www.ijgti.org.in/index.php/ijgti/article/view/232)	2013 - 14	Mr. Vinit Pereira

6	<p>“High Speed Multiplier Using Vedic Mathematics” – IJRET International Journal of Research in Engineering Technology – e-ISSN :2319-1163 p-ISSN : 2321-7308. Volume : 03 Issue : 01/ Jan 2014 Pages 548-552 (http://www.ijret.org)</p>	2013 - 14	Ms. Uttara Bhatt, Dr. Deepak Bhoir
7	<p>“Implementation of Web Page for Dam gate control using GPRS.” – “2nd International Conference on Innovations in Electronics and Telecommunication Engineering” – ICIECE – 2013. Guru Nanak Institute of Technology, Ibrahimpatnam, Hyderabad, AP, on 8 – 10 August, 2013</p>	2012 - 13	Mr. Pavan Sukode, Mrs. Shilpa patil
8	<p>“Methodology For Testing Of Battery De- Sulphator Circuit” - ICMEET2K12, “Recent Trends in Power systems” MAGNA COLLEGE OF ENGINEERING, REDHILLS- TIRUVALLUR HIGH ROAD, MAGARAL, CHENNAI-55, 12, 13, April, 2012</p>	2012 - 13	Ms. Sraddha Kadam
9	<p>“Power Quality Enhancement Technique Using Hybrid Filters” – ICMEET2K12, “Recent Trends in Power systems” MAGNA COLLEGE OF ENGINEERING, REDHILLS- TIRUVALLUR HIGH ROAD, MAGARAL, CHENNAI-55, 12, 13, April, 2012</p>	2012 – 13	Ms. Sraddha Kadam

7. Membership in Societies/professional bodies			
	Name of Society	Year of Joining	Supporting Documents
1	ISTE	May 1997	Life Membership No. LM 24023
2	Vidwan ID		323786
3	Orcid ID		0000-0002-5987-8278
8. Subjects taught			
<ol style="list-style-type: none"> 1. Basic Electrical Engineering 2. Circuit Theory 3. Linear Control Systems 4. Controls and Instrumentation 5. Signals and Systems 6. Digital Signal Processing 7. Image processing 8. Robotics 			
9. Recently guided Projects			
<ul style="list-style-type: none"> • Patient's detail management system using Block chain 			
<ul style="list-style-type: none"> • Surface (Floor) Cleaning Robot 			
<ul style="list-style-type: none"> • Rolling Pet Robot 			
<ul style="list-style-type: none"> • Robotic Arm 			
<ul style="list-style-type: none"> • Disaster management using Swarm Robotics 			
<ul style="list-style-type: none"> • Active Noise Cancellation 			
<ul style="list-style-type: none"> • Tactical Surveillance Robot 			
<ul style="list-style-type: none"> • Pick and Place Robot 			
<ul style="list-style-type: none"> • Automatic Traffic Control using Image Processing 			
<ul style="list-style-type: none"> • Noise Removal from ECG Signal by Adaptive filter 			
<ul style="list-style-type: none"> • Face Detection and tracking robot 			
<ul style="list-style-type: none"> • Robotic Leg Assist 			

12. Other responsibilities held	
	Details
	Member of DAB
	In-Charge Ambience
	In-Charge of MOOC
	In-Charge of Industry Institute Cell
	In-Charge of Newton Bhaba MOOCs Project
	IN-Charge of E-Cell (Co-ordinator)
	Programme Coordinator