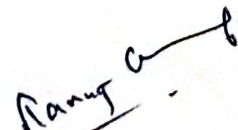


**Department of Electronics & Communication Engineering**  
**Faculty of Engineering & Technology, GKV Haridwar**  
**Annual Progress Report 2019-20**

1. Publication work/Research work
  - A. Number of Research Paper Published:03(Annexure-1)
  - B. Number of Book Published:NIL
  - C. Number Project Completed/Ongoing: NIL
2. Paper presented in Seminars/Conference/Webinar/Workshop: NIL
3. Invited lectures/Lectures/Radio-TV talks/debates: NIL
4. Awards from Society or Government: NIL
5. No. of Seminars/Conferences/Webinar/Workshop organized: 02(Annexure-2)
6. Foreign academic visits/Lectures of foreigner eminent Professors/Scientists: NIL
7. MoU with other Universities/Industries/Others: NIL
8. Any other Important Information's: (Annexure-3)
  1. List of patent published/granted by the department :-01
  2. FDP/STC/Refresher course attended by the faculty: 17

  
Head

Department of ECE

Faculty of Engineering & Technology

**Head**  
Dept. of Electronics & Communication Engineering  
Faculty of Engineering & Technology  
Gurukul Kangri (Deemed to be University)  
Haridwar-249404

# Annexure-1

## Details of Research Publications

1. Ashish Nainwal, "ECG Arrhythmia Classification Algorithm" International Journal of Recent technology and Engineering, 2019, ISSN number: 2277-3878. <https://www.scopus.com/sourceid/21100889873>
2. Vipul Sharma, "An Orthogonal Shaped Monopole Antenna for UWB Application with Band Notch Characteristics" , Wireless Personal Communications, Springer ,2019, ISSN number: 0929-6212, <https://www.scopus.com/sourceid/20725>
3. Vivek arya, Vipul Sharma "An Efficient Adaptive Algorithm for Electron Microscopic Image Enhancement and Feature Extraction" International Journal of Computer Vision and Image Processing, 2019, ISSN number: 2155-6997, <https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101000863&flag=Search>

# Annexure-2

## Seminars/Conferences/Webinars/ Workshop organized by the Department

1. Department of ECE organized a national webinar on "Challenges in MOSFET Technology" in which a talk delivered by Dr. Pankaj pal, NIT Uttarakhand on 3<sup>rd</sup> June, 2020.
2. Department of ECE organized a national webinar on "Industrial Automation" in which a talk delivered by Anil Rajrana, Prolific india Pvt. Ltd. on 12<sup>th</sup> June, 2020.

# Annexure-3

## 1. List of patent published by the department:

- 1.Mr. Vivek Arya published(granted) a Australian patent No 202041032791A "Automatic Fault Failure Detection Mechanism of Electronic Circuit Board of Consumer Appliances using Image Processing Algorithm" , 2020.

## 2.FDP/STC/Refresher course attended by the faculty:

S.No	Name of teacher who attended	Title of the program	Duration (from – to) (DD-MM-YYYY)
1	Mr. Prateek Agarwal	FDP on selection of camera shoots and editing on videos at NITTTR Chandhigarh	7-11 , january 2019
2	Mr. Prateek Agarwal	FDP on Advanced industrial automation technologies at COER roorkee	8-13 , July 2019
3	Mr. Atul kumar varshney	workshop on Artificial Neural Networks with MATLAB Implimentation at Gurukul kangri university haridwar	24-25 , january 2020
4	Mr. Vivek Arya	FDP on Machine Learning and Applications , Sagar Institute of Research and Technology, Bhopal	18-23 , May 2020
5	Mr. Vivek Arya	FDP on Computational Tools on Engineering & Research: Opportunities and Challenges	1-6 , June 2020
6	Mr. Vivek Kumar	FDP on RF and Biomedical at NITTTR Chandhigarh	10-14 , Feb., 2020
7	Mr. Anuj Kumar Sharma	FDP on RF and Biomedical at NITTTR Chandhigarh	10-14, Feb., 2020
8	Mr. Vivek Arya	FDP on Innovative E-Teaching Practices in Management and Technology , Babu Banarasi Das Institute of Technology and Management ,Lucknow	8-12 June,2020
9	Mr. Vivek Arya	Technical online course on Introduction to Internet of Things & Embedded Systems, University of California, Irvine	21-05-2020 to 21-06- 2020
10	Mr.Ashish Nainwal	FDP on Neural Network and CNN, NITTTR Chandhigarh	14-18, april,2020
11	Mr.Ashish Nainwal	Atal FDP ON Internet of Things	25-29, april,2020
12	Mr.Ashish Nainwal	FDP on Image and Embedded Processing , NITTTR Chandhigarh	11-15 , may ,2020
13	Mr. Gourav Malik	FDP on Artificial Intelligence	11-15 , may ,2020
14	Mr. Gourav Malik	FDP on Neural Network and CNN, NITTTR Chandhigarh	14-18, april,2020
15	Dr.Tanuj Grag	workshop on Intellectual Property rights	10, Feb, 2020
16	Mr. Amrish	FDP on Machine Learning and data analytics using python, IIT roorkee	5-13 , may ,2020
17	Mr. Amrish	FDP on Next generation Semiconductor devices for high end applications , NIT Patna	22- 28,june ,2020