

**PRADEEP KUMAR YADAV****BIOMEDICAL ENGINEERING****INSTRUMENTATION & CONTROL ENGINEERING**

BM18MTECH11005



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ACADEMIC BACKGROUND			
Degree	University/School	Year of Passing	CGPA / %
M.Tech in biomedical engineering	INDIAN INSTITUTE OF TECHNOLOGY HYDERABAD	2018-2020	7.6/2nd sem
B.Tech in Instrumentation & Control	Institute of Engineering and Rural Technology, Allahabad, UP	2013-2017	68.96%
Class XII, ISC	Scholars’ Home, Lucknow, UP	2012	74.75%
Class X, CBSE	Jawahar Navodaya Vidyalaya, Gyanpur, Bhadohi, UP	2010	9.2/10
ACHIEVEMENTS			
<ul style="list-style-type: none">Qualified GATE 2019,GATE 2018 and GATE 2017 in Instrumentation Engineering with AIR 675,AIR 776 and AIR 2067 respectively.Within Top 10% in school in ISC ExaminationQualified Jawahar Navodaya Vidyalaya Entrance Exam 2008			
COURSE work			
BIOMEDICAL ENGINEERING	Transducer in Healthcare, Biomechanics, Brain and Neuroscience, Cellular and Systemic Physiology, Microfluidic, Biomedical Devices, Bio fabrication ,neurosignal processing,biomedical imaging		
MATHEMATICS	Mathematics-I, Mathematics-II, Mathematics-III, Discrete Mathematics, Scientific Computing		
INSTRUMENTATION ENGINEERING	Transducer, Sensor and Industrial Instrumentation, Optical Instrumentation, Telemetry Principle, Electrical and Electronics Measurement and Instrumentation, Biomedical Instrumentation		
CONTROL ENGINEERING	Control System-I, Control system-II, Computerised Process control, Microcontroller		
ELECTRICAL&ELECTRONICS ENGINEERING	Basic Electrical Engineering, Basic Electronics Engineering, Electromagnetic Field Theory, Signals and Systems, Communication Systems, Electronic Circuits and Devices, Analog Circuits, Digital Electronics, Electrical Circuits, Data Structures, Microprocessor		
ENTREPRENEURSHIP	Introduction to Entrepreneurship		
OTHER	Product Design and Prototyping, Basic Mechanical Engineering, Fluid Mechanics		
PROJECTS/INTERNSHIPS/TRAINING			
Reverse Engineering in Open Bionic Arm, IIT Hyderabad		(Aug 2018)	
<ul style="list-style-type: none">Worked in designing CAD model and circuit design, mapping with degree of freedom of movement with brainSignal processing of EMG signal received different bionic movementsReducing the artifacts and feature extraction through MATLAB.			
Indian Farmers Fertiliser Co-operatives, Phulpur unit, UP		(Jun 2016 - July 2016)	
<ul style="list-style-type: none">Studied Distributed Control System through CENTUM CSStudied Field instrumentation and controlStudied Gas and liquid analysisStudied Central Processing Unit (CPU)			
Institute Of Engineering and Rural Technology Allahabad		(Jan 2017 – Mar 2017)	
<ul style="list-style-type: none">Circuit Study of sensors and Functional Analysis of Digital Contactless TachometerMicrocontroller Programming for pulse counting in Tachometer			
CONFERENCE			
<ul style="list-style-type: none">Attended Indo-European partnership symposium, 2018 on “Emerging trend in Cancer Research and Therapeutics” held at IIT Hyderabad			
TECHNICAL COMPETENCIES			
<ul style="list-style-type: none">MATLAB, CAD CAM Modeling, Lab view,MS Officeneurosignal processing and feature extraction through MATLAB.Image processing through MATLAB.C Programming, python			
EXTRA CURRICULAR ACHIEVEMENTS			
<ul style="list-style-type: none">Participated in walk the ramp in college copetition Elan&Vision in 2019.Participated in College Dance Competition 2018Participated in College Swimming Competition 2011Hobbies include Cycling, playing Cricket, Volleyball and Football			