



Bansilal Ramnath Agarwal Charitable Trust's

# Vishwakarma Institute of Technology

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

666, Upper Indiranagar, Bibwewadi, Pune 411 037

## Department of Instrumentation Engineering

### SEM1 AND SEM2 - A.Y 2023-24

Sr No.	PRNNo.	Name	Title of the project
1	12010361	MANE SHRUTI SATISH	Knee osteoarthritis detection
2	12120275	MANE SONALI ABASO	mern stack social media app
3	12010907	MANE UMESH PAPPU	Web-Based Local Services Manager with Admin-Dashboard using MERN
4	12010737	MANWATKAR VARUN KIRANRAO	PCB defects detection
5	12010279	MARKAD KUBER SANDEEP	Crack or fault detection using image processing
6	12010745	METHEKAR ROHAN PRAKASHRAO	Landslide-Sentinel :- IoT-Powered Early Landslide Detection
7	12010415	MOHANKAR PRASHANT KISHOR	Landslide-Sentinel :- IoT-Powered Early Landslide Detection
8	12010840	MOHITE AMIT ARUN	PCB defect detection
9	12010495	MORE KRUSHNA RAJENDRA	Detecting usage of LoRa
10	12010176	Nasser Ahmed Lahwal	Automatic washing Machine using PLC
11	12011075	NIGUDGE HARSH RATANDEEP	Vehicle Accident Prevention System
12	12010557	NYALAPELLI NIKITA KIRANKUMAR	Website for student's market place
13	12011066	PADOLE SUMIT SAHEBRAO	Tokenized Transactions system for campus using blockchain
14	12011007	PAGAR SARTHAK UMESH	Raksha: A Shield for Women: A mobile application with SOS built in feature
15	12011219	PANKAJ MADHUKAR KAMBLE	Website for student's market place
16	12010820	PATANKAR AKARSH AMRUT	Crack or fault detection using image processing
17	12010332	PATIL ANJALI JEEVAN	Crack or fault detection using image



Bansilal Ramnath Agarwal Charitable Trust's

## Vishwakarma Institute of Technology

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

666, Upper Indiranagar, Bibwewadi, Pune 411 037

### Department of Instrumentation Engineering

			processing
18	12010912	PATIL PRASAD GANESH	Tokenized Transactions system for campus using blockchain
19	12010710	PATIL RAJ NILKANTH	Human Following smart assistant Robot
20	12011146	PAWAR OMKAR DATTU	Crowdwatch: Criminal Face Detection System for Crowded Environments using Facial Recognition
21	12011032	PHARANDE ONKAR RAJENDRA	Crowdwatch: Criminal Face Detection System for Crowded Environments using Facial Recognition
22	12010471	PITTULWAR AARYA SHRIKANT	Website for student's market place
23	12010518	PRASANNATA BANSODE	Stock Market Prediction Model
24	12011195	PUKALE PRITI DILIP	Stock Market Prediction Model
25	12011268	RANDHAVAN PRATIK PRAKASH	Comparison of algorithms for sentiment analysis in cricket
26	12010453	RATHOD RAVI KESHAV	Comparison of algorithms for sentiment analysis in cricket
27	12010439	RAUT PRATHMESH NAVNATHRAO	Human Following smart assistant Robot
28	12010636	RAUT RIYA RAHUL	Comparison of algorithms for sentiment analysis in cricket
29	12010369	RUDRAWAR KRUSHNA GOVIND	Hyperspectral Image classification
30	12120225	SARAF RUTUJ PRAVIN	Detecting usage of LoRa
31	12010612	SAWANT NIKITA UDAY	Raksha: A Shield for Women: A mobile application with SOS built in feature
32	12011382	SAWANT SAKSHI SURESH	Underwater Image Restoration System
33	12010231	Shaunak Shashank Joshi	Hyperspectral Image classification



Bansilal Ramnath Agarwal Charitable Trust's

## Vishwakarma Institute of Technology

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

666, Upper Indiranagar, Bibwewadi, Pune 411 037

### Department of Instrumentation Engineering

34	12010643	Shekhar Vishwanath Shegokar	Hyperspectral Image classification
35	12011236	SHIMPLE SANSKRUTI SANJAY	Detecting usage of LoRa
36	12011365	SHLOK RUPESH AGARWAL	Internal blockchain token system
37	12011378	SHRUTI VIJAY TIBILE	mern stack social media app
38	12011051	TAYADE ISHA SURESH	Underwater Image Restoration System
39	12010429	THAKUR DIVYESH NITIN	Human Following smart assistant Robot
40	12010865	UGE TINISH RAJESH	Raksha: A Shield for Women: A mobile application with SOS built in feature
41	12011139	WADKAR PARTH ANAND	Design and Development of Hydroponic System
42	12010446	WAGH ANURAG HARIDAS	Blockchain based personalised token system
43	12010247	WAGHMARE ADESH TANAJI	PID performance tuning for water level control using different PID tuning and machine learning methods
44	12010743	WANGIKAR VARAD SANTOSHRAO	Design and Development of Hydroponic System
45	12010570	YEOTE OMKAR SHANKARRAO	Crowdwatch: Criminal Face Detection System for Crowded Environments using Facial Recognition
46	12010880	ABHANG SHRUTIKA BALASAHEB	Development of Smart Toilet
47	12011065	ADITYA GANESH BHOITE	Designing Control System and Feed for 3-Meter Radio Telescope and using it for Mapping the Andromeda Galaxy
48	12011273	AGLAWA ROHIT PUNJARAM	PID performance tuning for water level control using different PID tuning and machine learning methods
49	12011374	AMANE SHAILESH SHRINIVAS	Camera-Based Factory Leakage Detection System



Bansilal Ramnath Agarwal Charitable Trust's

## Vishwakarma Institute of Technology

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

666, Upper Indiranagar, Bibwewadi, Pune 411 037

### Department of Instrumentation Engineering

50	12010725	ANIRUDHA DEEPAK SONAWANE	Predictive Maintenance for Rotary Machines using Machine Learning
51	12011006	APTE SHARV SHIRISH	Fatigue and abnormal cardiac condition detection from ECG signals
52	12011209	ATHARVA POPATRAO SARDE	Camera-Based Factory Leakage Detection System
53	12010955	AWALEKAR HARSHADA SURESH	Knee osteoarthritis detection
54	12010535	CHAFEKANADE SHASHANK SURYAKANT	Fatigue and abnormal cardiac condition detection from ECG signals
55	12120159	CHAUHAN MAYUR RAGHAVENDRA	Design and Development of Hydroponic System
56	12011362	CHAVAN PARITOSH SWAPNIL	Fatigue and abnormal cardiac condition detection from ECG signals
57	12010633	DEORE ATHARVA VINAY	Camera-Based Factory Leakage Detection System
58	12010324	DESHMUKH ANEESH SANTOSH	Fatigue and abnormal cardiac condition detection from ECG signals
59	12120151	DESHMUKH RUTUMBRA RAMESH	PID performance tuning for water level control using different PID tuning and machine learning methods
60	12011099	DHALE HRISHIKESH RAJESH	Vibroarthrography Signal Classification
61	12011386	DONGRE AMOGH SANTOSH	Milk Purity Tester
62	12011276	DURGE GAURAV BHAUSAHEB	Vibroarthrography Signal Analysis & Classification Using Wavelet Transform
63	12010971	GAIKWAD RUTWIK PRADIP	Mental Health Disorder Detection Using ML
64	12011005	GANDHI TANUSH PRASHANT	Development of Smart Toilet
65	12011115	GAURAV RAJU KAMBLE	Real-Time Implementation of Multi-Security AI Based Authentication System



Bansilal Ramnath Agarwal Charitable Trust's

# Vishwakarma Institute of Technology

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

666, Upper Indiranagar, Bibwewadi, Pune 411 037

## Department of Instrumentation Engineering

66	12010628	GHODE ADITYA MANOJ	Predictive Maintainance for Rotary Machines using Machine Learning
67	12011144	GIRI ARUNDHATI YASHWANT	Building a Machine Learning model to predict disease outbreaks based on historical data
68	12011193	HAMAND SRUSHTI GAJANAN	Mental Health Disorder Detection Using ML
69	12010420	HIREMATH SAKSHI DHANAYYA	Mental Health Disorder Detection Using ML
70	12010716	IRAKATE SWAPNIL SAMBHAJI	Milk Purity Tester
71	12011363	JADHAV AISHWARYA SHIVAJI	Knee osteoarthritis detection
72	12010811	JADHAV GAJANAN CHANDRAKANT	Mental Health Disorder Detection Using ML
73	12010834	JADHAV SAHIL MOHAN	CottonVision : A machine learning Based App for Rapid Diagnosis of Cotton Disease
74	12010621	JAID ATHARVA SUNIL	Vibroarthrography Signal Analysis & Classification Using Wavelet Transform
75	12120104	JAIN SAMYAK CHANDRAPRAKASH	Detecting usage of LoRa
76	12010436	JAYBHAYE VARUN ASHOK	Milk Purity Tester
77	12011117	JOSHI ASHUTOSH SHIVPRASAD	Vibroarthrography Signal Analysis & Classification Using Wavelet Transform
78	12011191	KALAMBE KHOMESH YOGESHWAR	Vibroarthrography Signal Classification
79	12011215	KALASKAR KRISHANA LAXMAN	Development of Smart Toilet
80	12010465	KAMBLE SPANDAN RAJESH	Video surveillance using YOLO
81	12010327	KANAWADE ATHARVA MANOHAR	Predictive Maintenance For Rotary Machines Using Machine Learning



Bansilal Ramnath Agarwal Charitable Trust's

## Vishwakarma Institute of Technology

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

666, Upper Indiranagar, Bibwewadi, Pune 411 037

### Department of Instrumentation Engineering

82	12010875	KEDARE PRITI BALASAHEB	Fire detection and localization using surveillance camera
83	12011383	KHANDVIKAR TUSHAR SUNIL	Landslide detection
84	12011241	KOLEKAR AMIT TUKARAM	MERN stack web application: Enriching Donation Processes and Inventory Control
85	12011266	KUDTARKAR SRUSHTI ARVIND	Hemoglobin Prediction Using ML
86	12011145	KULKARNI ANISH NITIN	Hemoglobin Prediction Using ML
87	12010384	KULKARNI PRATIK PRABHAKARRAO	Hemoglobin Prediction Using ML
88	12010350	KULKARNI RAMAN SHASHIKANT	Hemoglobin Prediction Using ML
89	12011155	KURADE OMKAR LAXMAN	MERN stack web application: Enriching Donation Processes and Inventory Control
90	12010766	MAHALE AKSHIT BHIMRAO	CottonVision : A machine learning Based App for Rapid Diagnosis of Cotton Disease
91	12011253	MANDLE DIGVIJAY ANIL	Vehicle Accident Prevention System
92	12120121	INGAWALE PRATIK GORAKHNATH	Design and Development of Hydroponic System
93	12010361	MANE SHRUTI SATISH	Knee osteoarthritis detection
94	12120275	MANE SONALI ABASO	mern stack social media app
95	12010907	MANE UMESH PAPPU	Web-Based Local Services Manager with Admin-Dashboard using MERN
96	12010737	MANWATKAR VARUN KIRANRAO	PCB defects detection
97	12010279	MARKAD KUBER SANDEEP	Crack or fault detection using image processing



Bansilal Ramnath Agarwal Charitable Trust's

# Vishwakarma Institute of Technology

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

666, Upper Indiranagar, Bibwewadi, Pune 411 037

## Department of Instrumentation Engineering

98	12010745	METHEKAR ROHAN PRAKASHRAO	Landslide-Sentinel :- IoT-Powered Early Landslide Detection
1	12010432	BHOIR VEDANT LAXMAN	Comparative Analysis of Machine Learning Models for Alzheimer's Disease Prediction: A Comprehensive Study
2	12010334	CHAUHAN KARAN VIJAYSINGH	MPPT based solar charge control and monitoring system
3	12010396	CHAVAN SUMEDH VIJAYSINH	Inventry Management and HVAC System
4	12011063	DESHPANDE ISHA ABHIJEET	Mppt based solar charge control system
5	12010741	DESHPANDE PRATHAMESH DEVIDAS	Comparative Analysis of Machine Learning Models for Alzheimer's Disease Prediction: A Comprehensive Study
6	12011375	DESHPANDE SAKSHI RAHUL	Comparative Analysis of Machine Learning Models for Alzheimer's Disease Prediction: A Comprehensive Study
7	12011360	GORE MAITRRYEE MILIND	Diabetic Retinopathy Analysis diseases
8	12010697	KADAM SARA GANESH	Diabetic Retinopathy Detection
9	12120243	KAMBLE TEJAS SANJAY	Defi Saas app
10	12011376	KAPSE VAIBHAV VAIJNATH	Deep learning algorithms for Breast cancer Prognosis
11	12120138	KAPSE YASH NITIN	LORA Based Greenhouse Remote Monitoring System
12	12010607	KHAN ALI AKBAR	Synthetic Medical Image Creation using GAN
13	12010392	KULKARNI MRUNMAYEE VAIBHAV	Image generation and image inpainting using GAN
14	12010611	MALI YASH VIJAY	Parcelpal: Optimal Path Finder for Logistics
15	12120244	MHASKE GAYATRI CHANDRASHEKHAR	Bearing Fault Detection Using Discrete Cosine Transform



Bansilal Ramnath Agarwal Charitable Trust's

## Vishwakarma Institute of Technology

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

666, Upper Indiranagar, Bibwewadi, Pune 411 037

### Department of Instrumentation Engineering

16	12011068	MUNDE SAURABH SHRIHARI	IVCA: Integrated Voice and Char Assistant
17	12010802	NERPAGAR PUSHKAR VIJAY	Digitization of P&ID using YOLO and R-CNN
18	12010241	NISARG NAYAN GANDHI	MineMonitor: IoT-powered Environmental Oversight System
19	12010341	PATHAK ISHA MANDAR	IVCA: Integrated Voice and Char Assistant
20	12010540	PATIL ATHARVA DEEPAK	Development of a Smart Shopping Cart for Enhanced Retail Experience
21	12010309	PATIL SALIL NITIN	BLDC Motor Driver Design and Implementation of Field Orientation Control Technique
22	12120269	PATIL VAISHNAVI SHEKHAR	Design & Implementation Of Wireless Sensor Node For Parameter Monitoring For Smart Agriculture.
23	12010878	PATIL VIPUL MANOJ	Deepfake video detection using deep learning
24	12120213	PAWAR SAURABH DATTATRAY	Bearing Fault Detection Using Discrete Cosine Transform
25	12010503	PINGLE VARAD VIVEK	Deepfake video detection using deep learning
26	12010626	POKHARNA RONIT KIRAN	AI-Powered Equity Research Analysis Platform Technology
27	12010469	PRITHVIRAJ DAYANAND KAMALAPURE	Bearing Fault Detection Using Discrete Cosine Transform
28	12120270	RANE SHREYASH YUVARAJ	Design & Implementation Of Wireless Sensor Node For Parameter Monitoring For Smart Agriculture.
29	12011380	SHAIKH FAIZAN RIYAZ	Smart Farming Using IOT-based Automated Plant Care System





Bansilal Ramnath Agarwal Charitable Trust's

## Vishwakarma Institute of Technology

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

666, Upper Indiranagar, Bibwewadi, Pune 411 037

### Department of Instrumentation Engineering

30	12011188	SHAIKH MOBIN SHAKIL	AI-Powered Equity Research Analysis Platform Technology
31	12010999	SHENDGE PURVA SUNIL	BLDC Motor Driver Design and Implementation of Field Orientation Control Technique
32	12010622	SHEWADE SHARVIT SUMER	Development of a Smart Shopping Cart for Enhanced Retail Experience
33	12011230	SHIRSATH SIDHHESH SATYANARAYAN	Inventry Management and HVAC System
34	12010762	TALEKAR PRATHMESH PARMESHWAR	Hot and Cold Water Regulation System for Industrial Applications
35	12010778	THIGALE AWANTI KETAN	Hot and Cold Water Regulation System for Industrial Applications
36	12120024	VEDANT RAJENDRA ROTKAR	LORA Based Greenhouse Remote Monitoring System
37	12011238	VYAS APOORAV RAVINDRA	Defi Saas app
38	12010279	KUBER SANDEEP MARKAD	Development of a Smart Shopping Cart for Enhanced Retail Experience
39	12010432	BHOIR VEDANT LAXMAN	Comparative Analysis of Machine Learning Models for Alzheimer's Disease Prediction: A Comprehensive Study
40	12010334	CHAUHAN KARAN VIJAYSINGH	MPPT based solar charge control and monitoring system
41	12010725	ANIRUDHA DEEPAK SONAWANE	Impact Analysis using Vibration Signal
42	12011006	APTE SHARV SHIRISH	Mppt based solar charge control system
43	12010535	CHAFEKANADE SHASHANK SURYAKANT	MPPT based solar charge control and monitoring system
44	12010633	DEORE ATHARVA VINAY	Parcelpal: Optimal Path Finder for Logistics



Bansilal Ramnath Agarwal Charitable Trust's

## Vishwakarma Institute of Technology

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

666, Upper Indiranagar, Bibwewadi, Pune 411 037

### Department of Instrumentation Engineering

45	12011386	DONGRE AMOGH SANTOSH	Switchable solar power battery for EV
46	12010971	GAIKWAD RUTWIK PRADIP	Advanced tactic/al helmet for military use
47	12010950	GAJBHIV ANURAG BHANUDAS	
48	12011115	GAURAV RAJU KAMBLE	AI-Powered Identification of Victim or Person After Resetting the Linux OS
49	12010628	GHODE ADITYA MANOJ	Deep learning algorithms for Breast cancer Prognosis
50	12011144	GIRI ARUNDHATI YASHWANT	Parcelpal: Optimal Path Finder for Logistics
51	12011193	HAMAND SRUSHTI GAJANAN	Advanced tactic/al helmet for military use
52	12010716	IRAKATE SWAPNIL SAMBHAJI	Parcelpal: Optimal Path Finder for Logistics
53	12010811	JADHAV GAJANAN CHANDRAKANT	Advanced tactic/al helmet for military use
54	12010327	KANAWADE ATHARVA MANOHAR	Impact Analysis using Vibration Signal
55	12010875	KEDARE PRITI BALASAHEB	Parcelpal: Optimal Path Finder for Logistics
56	12011383	KHANDVIKAR TUSHAR SUNIL	Pet health Monitoring system
57	12011241	KOLEKAR AMIT TUKARAM	Synthetic Medical Image Creation using GAN
58	12011266	KUDTARKAR SRUSHTI ARVIND	Advanced tactic/al helmet for military use
59	12010384	KULKARNI PRATIK PRABHAKARRAO	Plant Disease Detection System
60	12120275	MANE SONALI ABASO	Performance comparison of different algorithms for siso and mimo system.
61	12010737	MANWATKAR VARUN KIRANRAO	Pet health Monitoring system



Bansilal Ramnath Agarwal Charitable Trust's

## Vishwakarma Institute of Technology

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

666, Upper Indiranagar, Bibwewadi, Pune 411 037

### Department of Instrumentation Engineering

62	12010279	MARKAD KUBER SANDEEP	Development of a Smart Shopping Cart for Enhanced Retail Experience
63	12010745	METHEKAR ROHAN PRAKASHRAO	Pet health Monitoring system
64	12010840	MOHITE AMIT ARUN	Hand Gesture Recognition
65	12011007	PAGAR SARTHAK UMESH	MineMonitor : IoT-powered Environmental Oversight System
66	12010820	PATANKAR AKARSH AMRUT	MineMonitor : IoT-powered Environmental Oversight System
67	12010332	PATIL ANJALI JEEVAN	Design & Implementation Of Wireless Sensor Node For Parameter Monitoring For Smart Agriculture.
68	12011146	PAWAR OMKAR DATTU	Deepfake video detection using deep learning
69	12011032	PHARANDE ONKAR RAJENDRA	Deepfake video detection using deep learning
70	12011195	PUKALE PRITI DILIP	FITBOT' - A workout generator Chatbot
71	12120225	SARAF RUTUJ PRAVIN	Parcelpal: Optimal Path Finder for Logistics
72	12010612	SAWANT NIKITA UDAY	Workout Generator using Chatbot
73	12010643	Shekhar Vishwanath Shegokar	Parcelpal: Optimal Path Finder for Logistics
74	12011378	SHRUTI VIJAY TIBILE	Performance comparison of different algorithms for siso and mimo system.
75	12010865	UGE TINISH RAJESH	Development of a Smart Shopping Cart for Enhanced Retail Experience
76	12011139	WADKAR PARTH ANAND	Pet health Monitoring system
77	12010471	PITTULWAR AARYA SHRIKANT	FITBOT' - A workout generator Chatbot

**Prof. (Dr.) ShilpaSondkar**  
**Head of Department**