



# JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

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P.O. Wahnaghat, Teh. Kandaghat, Distt. Solan - 173234 (H.P.) INDIA

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Phone No. +91-01792-257999 (30 Lines)

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## Department of Civil Engineering

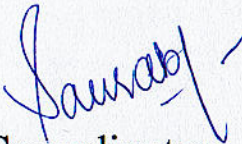
### B.Tech Major Projects

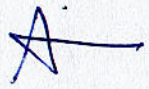
### Academic Year 2017-2018

S.No	Title	Name of Students	Name of Supervisor
1	Waste Settlement Analysis in an Aerobic Bioreactor	Shubam Abrol	Saurabh Rawat
2	Green Buildings Cost Benefit Analysis	Ashutosh Abrol	Saurav
3	Investigation of Structural Behaviour of RCC Beam-Column Joint using Finite Element Modelling	Samarth Aggarwal, Mohd. Nehan Rehman, Deepak Chhugani	Bibhas Paul
4	Seismic Resistant Design of Multistorey Building	Mohammad Tabrej Alam, Akshay Kapoor, Mukul Dev	Kaushal Kumar, Abhilash Shukla
5	Heavy Metal Removal from Steel Industry Wastewater by Electrocoagulation	Smriti Azad	Veeresh Gali
6	Study of Pullout Behaviour of Fibre Reinforced Piles	Aditya Bansal, Anirudh Gupta, Sumit Sohal	Saurabh Rawat
7	Water and Land Environment Carrying Capacity of Baddi – Barotiwala – Nalagarh Region of District Solan, Himachal Pradesh	Hitesh Bans	Veeresh Gali
8	Optimization of Substrate in Anaerobic Digester	Vibha Bansal, Anshul Bharti	Ashish Kumar
9	Use of Waste Plastic in Road Construction	Akarshit Baru	Ashok Kumar Gupta
10	Numerical Modeling of Concrete under Blast Loading	Monika Chaudhary	Abhilash Shukla
11	Mechanical Behaviour of Confined Circular Columns	Abhinav Chauhan	Gyani Jail Singh
12	Analysis of Steel Fibres in Fibre Reinforced Concrete	Lokesh Chandel, Madhav Vij	Ashok Kumar Gupta
13	Augmentation of Water Supply from Koldam to Shimla City	Arush Chauhan, Amit Sharma, Rajat Chauhan	Veeresh Gali
14	Study on Recron Fibres	Preeti Chauhan, Anchit Thakur, Divyansh Tewari	Abhilash Shukla
15	Performance Analysis of Existing Sewage Treatment Plants in Himachal Pradesh	Himanshu Dewan	Rajiv Ganguly
16	Partial Replacement of Cement with Metakaolin and RBI-81 in Concrete	Ajay Dhiman, Prashant Chandel, Yugansh	Chandra Pal Gautam

		Trivedi	
17	Stabilisation of Black Cotton Soil using Industrial Effluents	Aayush Garg, Samridhi Aggarwal, Jashandeep Singh Mann	Niraj Singh Parihar
18	Impact of Municipal Solid Waste on Soil	Raghav Gupta, Adarsh Chandra	Ashok Kumar Gupta
19	Mechanical Behavior of Porous Lightweight Concrete	Gaurav Gupta	Gyani Jail Singh
20	Structural Evaluation of Rural Hilly Roads	Somil Jain, Shivam Sharma	Aakash Gupta
21	Road Widening with Mxroad and Cost Estimation	Aditya Kalra, Tanmay Rajiv Banyal	Chandra Pal Gautam
22	Comparative Analysis of Compressive and Split Tensile Strength of Concrete Reinforced with Steel Fiber, Polypropylene Fiber and Recron Fiber	Rageshwar Kapoor, Nikhil Sharma	Ashish Kumar, Kaushal Kumar
23	Effect of Partial Replacement of Coarse Aggregate with Crushed Bricks on Concrete Properties	Ravi Kumar, Atishay Jain, Shubham kumar Singh	Abhilash Shukla
24	Functional Evaluation of Hilly Rural Roads	Munish Kumar, Sahil Chaudhary, Akhil Kumar	Rajiv Ganguly, Aakash Gupta
25	Analysis of Confined Circular Column	rohitkumar, Ankush Jindal, Deepak Bargoti	Gyani Jail Singh
26	Seismic Analysis of Floating Column Building	Ashish Kumar	Ashok Kumar Gupta
27	Buckling Behaviour of Compression Reinforcement Replaced by Angle Section in Flexure	Kunal Mahajan, Rashiv Gandotra, Rohaan Wani	Gyani Jail Singh
28	Use of Foundry Sand in Highway Construction	Nitin Nautiyal, Hardik Goel, Himank Sen	Saurabh Rawat
29	Life Cycle Cost Analysis of Normal Building and Green Building	Sumant Negi	Ashok Kumar Gupta
30	Influence of Nanomaterials on Properties of Bituminous Concrete Mixes	Atul Pal, Pranav Sharma, Piyush Rathore	Aakash Gupta
31	Parametric Evaluation of Water Characteristics from Shimla to Solan	Palden Phuntshok, Karma Jamtsho, Jamyang Khandu	Rajiv Ganguly
32	Applicability of Public Private Partnership Model on Larji Dam Construction	Rhishabh Prashar	Ashok Kumar Gupta, Saurabh Rawat
33	Mechanical Properties of Concrete Incorporating Waste Ceramic Tiles and Waste Foundry Sand	Vishal Rajpoot, Suyash Sharma, Dashmeet Singh	Anirban Dhulia
34	Analysis and Design of Highway Bridges using VB Macros	Rajat Rana, Atul Kumar Verma, Pranab	Bibhas Paul

		Chauhan	
35	Utilization of Food Waste and Pine Needle for Generation of Methane	Amit Ratol	Ashish Kumar, Sudhir Kumar
36	Mix Design and Factors Affecting Strength of Pervious Concrete	Sagar	Aakash Gupta
37	Study of the Properties of Concrete Reinforced with Basalt Fiber	Ankaj Mohan Sandhu, Shubham Chaudhary	Abhilash Shukla
38	Design of Hostel Complex in Staad.Pro	Kunal Saurabh, Abhishek	Ashish Kumar
39	Analysis of Parameters Affecting Corrosion in Reinforced Concrete with Use of Additives	Hritick Shama, Vaibhav Mehta	Saurav
40	Stabilization of Black Cotton Soil using Untanned Leather Industry Solid Waste	Abhishek Sharma, Ribhu Gupta	Niraj Singh Parihar
41	Seismic Resistant Design of Multistory Building	Tushar Sharma	Bibhas Paul
42	Design of Pervious Paved Parking Area to Harness Reusable Rainwater	Ishan Sharma, Akshit Negi	Ashish Kumar
43	Study of Reinforced and Unreinforced Stone Column Behaviour for Ground Improvement	Apurva Singh, Rahul Mittal, Harshit Varshney	Saurabh Rawat
44	Quantifying Corrosion of Reinforcing Bars in Reinforced Concrete by Impressed Current Method	Shubham kumar Singh, Vikash Kumar, Saksham Sethi	Saurav
45	Behaviour of Jute and Polypropylene Fibre Reinforced Concrete	Shubham Singh, Aakash Sharma	Chandra Pal Gautam
46	Factors Affecting Compressive Strength of Geopolymer Concrete	Tarun Sarthak Sood	Anirban Dhulia, Veeresh Gali
47	Testing and Numerical Modeling of Mechanically Stabilized Earth Wall Reinforced with Geotextile	Manik Uppal, Hannaan Malik	Saurabh Rawat
48	Effect of Fly Ash and Polypropylene Fibre on Properties of Concrete	Abhishek Verma, Raghvendra Pratap Singh, Ankit Singh	Saurav
49	Identification of Leachate Pollution Index of Unlined Municipal Solid Waste	Samarth Vir, Abhishek, Aditya Sharma	Anirban Dhulia

  
 Co-ordinator  
 B Tech Project

  
 HoD  
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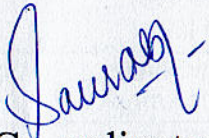
### Department of Civil Engineering B.Tech Major Projects Academic Year 2018-2019

S.No	Title	Name of Students	Name of Supervisor
1	Analysis of Crack Propagation using Digital Image Correlation Technique	Ammaan Zahoor Chat, Akshay Bhardwaj	Abhilash Shukla
2	Performance Evaluation of Electrocoagulation Reactor for the Treatment of Distillery Wastewater	Harish Chander, Prikshit Gupta, Vedansh Garg,	Anirban Dhulia
3	Performance Evaluation of Sequence Batch Reactor using Domestic and Synthetic Wastewater	Nitesh Chandel, Amit Singh,	Anirban Dhulia
4	Partial Replacement of Bitumen with Molasses	Arpan Chaudhary, Manik Ohri	Chandra Pal Gautam
5	Performance Assessment of Geocell Reinforced Municipal Solid Waste Ash in Pavements	Ashish Dangwal, Ayush Bhardwaj	Saurabh Rawat
6	Widening and Upgradation to 2 Lane with Paved Shoulder Configuration and Geometric Improvement from 0 KM - 16.990 on Chenani-Sudhmahadev Section of NH-244	PuneetGarg, Suryabhan Singh Jamwal	Ankur Verma, Ashok Kumar Gupta
7	Stabilization of Black Cotton Soil using Thermally Treated Untanned Leather Waste	Vibhor Gautam, Ankush Kumar	Niraj Singh Parihar
8	Study of Maintenance Strategy Provisions Based on Functional Evaluation of Pavements	Nakshatra Gautam	Aakash Gupta
9	Physio-Chemical Analysis of Water Collected From Villages Adopted Under Unnat Bharat Abhiyan	Karan Goel, Shubham Soni	Saurav
10	Influence of Coconut Fibre on Properties of Concrete	Charul Gupta, Kuenzang SC Choden	Ashok Kumar Gupta
11	Partial Replacement of Fine Aggregate by Waste Tyre Crumb Rubber in Concrete	Prajwal Gupta	Ashok Kumar Gupta

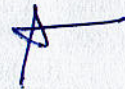
12	Settling Column Analysis of Surface Water Source-Chhausha River	Akal Singh Gurung, Abhishek Ahluwalia	Rishi Rana
13	Seismic Resistant Analysis and Design of Multistory Building	Anthesham Hussain	Saurav
14	Lightweight Concrete using Construction Demolition Waste and Industrial Waste	Aayush Jain, Sudhanshu Manikpuri	Ashok Kumar Gupta
15	Development of Pavement Deflection Prediction Model using Benkelman Beam for Hilly Rural Roads	Aayush Jain, Saksham Jain, Divesh Narang	Aakash Gupta
16	Study of Partial Replacement of Fine Aggregate by Oyster Shell and Partial Replacement of Cement by Rice Husk Ash	Abhinav Jamwal, Shubham Kumar	Chandra Pal Gautam
17	Evaluation of Interface Friction between Backfill and Fibre Reinforced Polymer (FRP) Inclusions	Ankur Jaret, Aatish Rajta	Saurabh Rawat
18	Prevention of Soil Erosion in Hilly Regions using Jute Footrubs Mats	Jigyashu Khanna, Shashi Shekhar	Chandra Pal Gautam
19	Parametric Evaluation of Existing Water Quality in Baddi Region of Himachal Pradesh	Pratiyush Kothari, Nikhil Sharma	Rajiv Ganguly
20	System Optimization of Sequencing Batch Reactor Using Municipal and Synthetic Wastewater	Vishv Kumar	Anirban Dhulia
21	Improvement in Highway Project Performance Using Lean Construction	Arun Kumar	Saurabh Rawat
22	Design and Scheduling of a Major Building Project	Anil Kumar	Ashok Kumar Gupta
23	Performance Evaluation of Chemically Treated Bamboo Reinforced Concrete	Sparsh N K Lath, Kartikey	Abhilash Shukla
24	Analysis of Blast Load on Structure using SAP2000	Shivani Negi, Ashutosh Sharma	Kaushal Kumar
25	Grey Water Degradation using Coupled Photocatalysis and Photofenton Processes using Fixed BED Reactor	Raitka, Khushbhu	Saurabh Rawat
26	Leachate Study of Soil using Leather as a Waste Material	Kuldeep Rana, Amit Sharma	Niraj Singh Parihar
27	Utilisation of Cement Kiln Dust and Red Mud for Construction of Highway Embankments in Cohesion Less Soil	Divesh Rana	Ashok Kumar Gupta
28	Effect of Metakalion and Fly Ash on Properties of Concrete	Pankaj Sankhyan, Rahul Verma, Sumit Dhankhar	Ashish Kumar
29	Ambient Air Quality Analysis in Shimla City: a modelling approach	Divyansh Sharma	Rajiv Ganguly

30	Experimental Study on Durability of Normal and High Performance Concrete	Arpan Sharma, Parikshit Thakur	Abhilash Shukla
31	Utilization of Waste Material in the Construction of Parapet	Gaurav Sharma, Gaurav Thakur	Amardeep
32	Effect of Unprocessed and Processed Recycled Aggregate on the Compressive Strength of High Strength Concrete	Aditya Sharma, Ashish Verma	Kaushal Kumar
33	Assessment of Groundwater Pollution Potential of Municipal Solid Waste Dumps in Himachal Pradesh	Rizul Sharma, Dipanshu Thakur	Anirban Dhulia
34	Bio Concrete: a bacteria based self-healing concrete	Vinayak Sharma, Ayush Thakur	Abhilash Shukla
35	Utilization of Waste Materials as a Partial Replacement of Bitumen	Akhi ISharma, Tarun Sharma	Amardeep
36	Effect of Freezing and Thawing on the Behaviour of Municipal Solid Waste (MSW)	Namit Sharma	Saurabh Rawat, Rishi Rana
37	Mechanical and Durability Analysis of Geopolymer Concrete	Harsh Vardhan Singh, Maanik Vatshyayan	Saurav
38	Widening and Upgradation to 2 Lane with Paved Shoulder Configuration and Geometric Improvement from 0 KM - 16.990 on Chenani-Sudhmahadev Section of NH-244	Puneet Singh ,Shally Singh, Gaurav Mahajan	Ankur Verma, Ashok Kumar Gupta
39	Analysis and Design of Guyed Tower using ANSYS	Himanshu Singh, Sarthak Gupta	Kaushal Kumar
40	Green Airport: an innovation in air transportation	Rajat Thakur	Aakash Gupta
41	Stabilisation of Black Cotton Soil using Tanned Leather Waste Ash	Vaibhav Thakur, Akshay Sharma	Niraj Singh Parihar
42	Comparative Analysis of Truss Bridge by Replacing Solid Sections with Hollow Sections	Divyam Thakur, Ajay Mahajan, Akshay Kumar	Kaushal Kumar
43	Study on Pullout Behaviour of Inclined Composite Piles	Nikhilesh Thakur, Dikshant Agarwal, Hetain Sahi	Saurabh Rawat
44	Ambient Air Quality Analysis in Baddi Region	Ankit Tilokta, Abhimanyu Chauhan	Rajiv Ganguly
45	Consolidation Behaviour of Geotextile Reinforced Black Cotton Soil	Ishan Uniyal ,Saksham Kumar Sharma	Saurabh Rawat
46	Maturing the Construction Management of Delayed Projects Using BIM Model and Rescheduling Using Primavera	Akarshan Uppal	Ashish Kumar
47	Replacement of Bitumen with Pine Resin	Tarun Verma, Harshit Chauhan	Chandra Pal Gautam
48	Effect of Domestic Waste Water on Physical Properties of Concrete Mix	Vikas Verma, Saksham Sharma	Amardeep

49	Strength Parameters of Untanned Leather Ash Mixed Expansive Soil	Bhupinder Singh Verma, Aditya Dhiman	Niraj Singh Parihar
50	Impact Energy Assessment of Steel Fibre Reinforced Concrete	Himanshu Yadav, Gaurav, Anirudh Pratap	Pankaj Kumar



Co-ordinator  
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### Department of Civil Engineering B.Tech Major Projects Academic Year 2020-2021

S.No	Title	Name of Students	Name of Supervisor
1	Design and Comparative study of a G+6 Residential building using STAAD. Pro and ETABS	Abhay Thakur, Shubham Thakur, Tanishk Singh	Akash Bhardwaj
2	Designing a Flexible Pavement of Delhi Mumbai Greenfield (Phase-1 Vadodara Bharuch Highway)	Aditya Nath	Dr Amardeep
3	Methane Generation Potential of Municipal Solid Waste in Dumping Site Panchkula, Jalandhar and Amritsar	Himanshu Bansal, Venus Chauhan, Sanju	Dr. Rishi Rana
4	Comparison of 10 Story Building in Earthquake Zone-I and Zone-IV With Analysis of Green Building	Gunjan Chauhan, Tshechik Dema	Prof Ashok Kumar Gupta, Chandra Pal Gautam
5	Rigid Pavement Design and Analysis by Open Road Software	Suraj Chaudhary, Aditya Abrol	Dr Amardeep
6	Estimation of Greenhouse Gas Potential From Municipal Solid Waste	Siddhant Dubey, Shukla, Nikhil Shukla, Rijul Thakur	Dr Rajiv Ganguly
7			
8	Correlation Between Benkelmen Beam and Falling Weight Deflectometer Technique	Ganga Ram Ghalley, Lokesh Sharma, Ritvik Mehta	Dr Saurabh Rawat
9	A Case Study on Road Construction and Its Management	Harsh Goel, Priyanshu Sharma	Dr Tanmay Gupta
10	Design and Analysis of Framed Steel Structure for Warehouse	Hemant Goel, rohit kumar	Prof Ashish Kumar
11	Investigation of Ceramic Waste and Rubber Tire Waste as a Potential Material for Embankment Construction	Anmol Katna, Shubham Thakur	Dr Saurabh-Rawat
12	Industrial Training At Amazon Seller Service, India	Anubhav Kaundal	Dr Tanmay Gupta
13	Design and Analysis of Multi-Storey Earthquake Resistant Building	Ashish Kumar, Aditya Shekhar, Dikshant Joshi	Dr Saurabh Rawat
14	Life Cycle Assessment of Municipal Solid Waste in Shimla, Himachal	Mehul Kumar, Ritvik Sharma, Rakshit Sharma	Dr Rishi Rana



	Pradesh		
15	Design of High-rise Building	Rinchen Leki, Sonam	Prof Ashok Kumar
16	Design of Flexible Pavement for Hot and Rainy Regions	Divyanshu Pandit, Gaurav Prakash Negi	Chandra Pal Gautam
17	Analysis and Design of Single Column Building Using Staad Pro	Akshay Pathania, Hardik Nagpal	Chandra Pal Gautam
18	Bioremediation on Stability of Slopes	Tanish Sharma, Abhishek Bind	Dr Saurabh Rawat
19	Design and Analysis of Curves in Two-lane Highway Using MX Road Software	Manika Sharma	Dr Amardeep
20	Design and Cost Estimation of Hostel Building	Shekhar Sharma Akshit Thakur	Prof Ashish kumar
21	Efficiency Analysis of Himachal Pradesh Wastewater Treatment Plants	Kanishka Sharma, Anjan Sood, Ayush Rana	Anirban Dhulia
22	Modeling and Performance Analysis of Electrocoagulation Reactor	Mohit Sharma, Rishabh Chauhan	Anirban Dhulia
23	Simulation of an Intersection Using PTV Vissim	Sharma, Pranjal ;Gupta, Ashok Kumar;Bhardwaj, Aaksh	Prof Ashok Kumar, Aaksh Bhardwaj
24	Analysis of Highway Alignment Using Openroads Software	Sharma, Shubham;Amardeep	Amardeep[Guided by]
25	Design and Stability Analysis of Gravity Dam Using Staad Pro	Ishant Shekhr	Akash Bhardwaj
26	Analysis and Design of Elevated R.C.C. Water Tank	Vaibhav Singh, Manik Seth	Anirban Dhulia
27	Analysis and Designing of Box Culvert for Heavy Load Conditions Using STAAD Pro	Pawas Soni, Sameep Aggarwal	Dr Saurav
28	Dynamic Analysis of Structure With Basement	Aditya Srivastva, Manik Thapa, Rohit Sharma	Kaushal Kumar
29	Landslide Mitigation Using Soil Nailing	Tenzin, Bikash Subba, Kinzang Peldon	Dr Amardeep, Niraj Singh Parihar
30	Watershed Prioritization of Upper Beas Region Using RS and GIS"	Sahil Thakur, Saksham Kaushal, Nikhil Thakur	Dr Saurav
31	Vehicular Emission Inventory for Shimla City	Ankit Thakur, Chander Bhushan, Passang Wangdi	Dr Rajiv Ganguly
32	Slope Stability Analysis of Kotropi Landslide and its Remediation	Sourav Thakur, Nikhil Takur, Aman Thakur	Niraj Singh Parihar
33	Helical Anchor Foundation for Street Lights A Project Report	Saurabh Tomar	Dr Saurabh Rawat
34	Designing of Retaining Walls	Uday Verma, Aditya Rana	Prof Ashok Kumar Gupta
35	Analysis of Underground Storage Tank Using Abaqus Software	Kartik Verma, Navèen Karar	Kaushal Kumar
36	Building Information Modelling of College Building	Vivek Thakur, Sukrit Sharma	Dr Saurabh Rawat

37	A Study on Environmental and Human Impact Assessment of Parliament Building in Delhi.	Sonam Wangmo, Saurabh Thakur	Dr Tanmay Gupta
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*Saurav*

Co-ordinator  
B Tech Project

*[Signature]*

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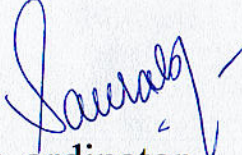
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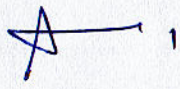
### Department of Civil Engineering B.Tech Major Projects Academic Year 2019-2020

S.No	Title	Name of Students	Name of Supervisor
1	Autoclaved Aerated Concrete Incorporating Bauxite Mud and Aluminum Dross	Harjot Singh	Amardeep, Abhilash Shukla
2	Characterisation of Water Treatment Sludge and its Reuse as Coagulant in Waste Water	Harshit Bansal	Niraj Singh Parihar, Anirban Dhulia
3	Utilization of Waste Foundry Sand in Concrete Paver Blocks	Atish Bhardwaj	Abhilash Shukla
4	To Study Cost Efficiency of Buildings in Different Geographical Location of India by Utilizing Wastes in Concrete	Akshay Chandel	Chandra Pal Gautam
5	Sales and Management	Utkarsh Chauhan	Saurabh Rawat
6	Failure Mechanism Analysis at Steel Concrete Composite Interface	Gaurav Chauhan, Abhishek Thakur, Amol Srivastava	Kaushal Kumar, Pankaj Kumar
7	Design of Flexible Pavement Using Provisions of IRC: 37-2018 for a Stretch between Solan-Parwanoo on NH-5	Ritesh Kumar Chaurasia, Keshav Singh Thakur	Aakash Gupta
8	An Integrate Solid Waste Management Plan (ISWM): Mohali Punjab	Abhinav Choudhary, Karma Yangzom	Rishi Rana
9	Feasibility Study of Using Glass Fiber Reinforced Polymer Rebars as Reinforcement in Concrete	Ngawang Dolkar, Ujjwal Nadda	Kaushal Kumar
10	Construction of Eco-Friendly Bricks using Plastic Waste	Cheku Dorji, Leki Wangchuk	Amardeep
11	Effect of Waste Plastic and Crumb Rubber on Properties of Semi Dense Bituminous Concrete Mix	Pranav Gupta, Vivek Kashyap	Tanmay Gupta
12	Analysis of Soil Behaviour during Box Jacking	Sushant Gupta, Yashwant Singh Rana	Saurabh Rawat
13	Electrocoagulation: Treatment of Industrial Wastewater	Anish Kapil, Nishant Thakur, Yash Goyal	Rajiv Ganguly, Anirban Dhulia

14	Assessment of Pesticides and Heavy Metals in Ground Water in Parts of District Patiala	Rohit Kumar ,Samarth Sharda,Shivam Gupta	Rishi Rana
15	Utilisation of Reclaimed Asphalt Pavement in Flexible Pavement	Sumit Kumar, Seraj Habib	Aakash Gupta
16	Shear Wall Design for High Rise Buildings	Shourabh Maanju	Ashish Kumar, Tanmay Gupta
17	Use of Coupled Photocatalysis and Photofenton Processes for Degradation of Contaminated Soil	Shivam Nag, Siddharth Verma	Saurabh Rawat
18	Zero Level Wastewater Treatment	Hitesh Panwar, Rishabh Kumar Tiwari	Ashok Kumar Gupta
19	Real Time Corrosion Monitoring of Steel Bars Embedded in Concrete Using Piezo-electric Sensors	Muku lPrashar, Harshit Saxena	Saurav
20	Performance Assessment of Steel-Concrete Composite Bonded Specimen under Slant Shear	Prashant	Abhilash Shukla
21	Leachate Study of the Pavement Model Stabilised with Tanned Leather Waste Ash	Arpit Rana, Shankar Kumar,Deepak Sharma	Niraj Singh Parihar
22	Utilization of Waste Marble Powder in Cement-Based Products by Incorporating Nano Silica	Ritanjay;Shubang Malgotra, Saksham Mahajan	Ashok Kumar Gupta
23	Combined Use of Nano Silica and Microsilica to Improve Durability Properties of Concrete	Xitiz Sen	Abhilash Shukla
24	Design of Ultra High Performance Fiber Reinforced Concrete	Abhishek Sharma, Vivek Pundir, Deven Mahajan	Abhilash Shukla
25	Characteristics of Concrete after Partial Replacement of Fine Aggregate by Recycled Plastic	Nikhil Sharma, Teja sGarg, Pritul Jaswal	Chandra Pal Gautam
26	Modification of Bitumen Using Fly Ash	Ajay Sharma, Himanshu Kapoor, Anmol Singhal	Rajiv Ganguly, Aakash Gupta
27	Experimental and Analytical Studies of Bond Strength Between Concrete and Steel Bars in Different Types of Concrete	Shivam Sharma, Ria Thakur, Anirudh Guleria	Kaushal Kumar
28	Evaluation of Properties of Concrete by Adding Different Proportion of Cellulose Fiber	Rishi Singh, Ketan Mishra, Aditya Vikram Jamwal	Abhilash Shukla, Tanmay Gupta
29	Assessment of Cured and Uncured Strength of Leather Waste Stabilised Expansive Soil	Sourav Singh, Chahat Garg	Chandra Pal Gautam,Niraj Singh Parihar
30	Study of Synthetic Wastewater using Sequencing Batch Reactor in Anoxic-Aerobic Phase	Amber Soni, Ambuj Awasthi, Prasanna Kumar	Amardeep

31	Augmentation of Water Distribution Scheme for Sundernagar Municipal Council	Abhinandan Thakur, Mayank Sharma	Anirban Dhulia
32	A Study on Corrosion of Reinforcement in Concrete and Effect of Inhibitor on Service Life of Reinforced Cement Concrete	SonamTshomo, Pema Yangden	Saurav
33	Accessibility Study for Maglev Based Transit in New Delhi	Alakshendra Singh Wazir	Tanmay Gupta
34	Influence of Low Velocity Impact on Steel Concrete Composite Bridge Deck	Pema Zangmo, Parmila Gurung,	Tanmay Gupta
35	Slope Stabilization and Design of Four Storeyed Residential Building	Sangay Zangmo, Ngawang Dorji	Chandra Pal Gautam

  
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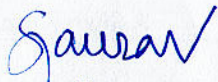
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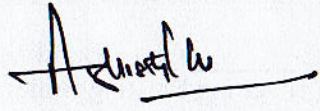
### B.Tech Major Projects

### Academic Year 2021-2022

S.No	Title	Name of Students	Name of Supervisor
1	Force Base V/s Displacement Base Seismic Analysis of a 5-storey Rc Building	Aniket and Rohit Lakhera	Tanmay Gupta
2	Remediation and Stabilization of Slope in Reldri Bhutan	Sonam Tshewang Dema and Namgay Wangmo	Niraj Singh Parihar
3	Estimation and Design of Formwork and Scaffold for G+4 Building	Yamit Dhalaik and Ritik	Akash Bhardwaj
4	Energy Efficiency and Effect of Reinforced Cement Concrete Wall	Phub Dorji and Tshering Gyeltshen	Sugandha Singh
5	Foreshock Effect on Elevated Water Tank	Vishal Garg and Aditya Chauhan	Tanmay Gupta
6	Pushover Analysis of a Residential Building	Rishabh Jaswal and Sushant	Chandra Pal Gautam
7	Modelling and Seismic Analysis of Z Z 5- Story Building	Abhay Kaith and Arnav Rawat	Ashok Kumar Gupta and Rohan Singhal
8	Green Buildings	Ujjwal Kumar	Ashish Kumar
9	Converting Existing Building Into Green Building	Muskan Negi and Abhishek Sharma	Chandra Pal Gautam
10	Anaylses and Design of G+4 Building on Staad Pro and Comparison Study	Ritik Kumar Puri and Utkarsh	Saurav
11	Utilization of Waste Materials in Construction of Rigid Pavement	Abhay Sharma; Sonam Dorji and Sonam Tshering	Amardeep
12	Design and Stability Analysis of Gravity Dam Using Staad Pro Software	Gaurav Sharma and Abhay Joshi	Niraj Singh Parihar
13	Green Building Design and Scheduling	Navneet Sharma and Ayush Sharma	Arnav Anuj Kasar
14	Design and Analysis of Water Tank Using Staad pro V8i	Ayush Thakur and Deepak Sharma	Rishi Rana
15	Finite Element Analysis of Underground Storage Tank a Project Report	Priyanshu Sharma and Amish Kartik	Kaushal Kumar
16	Comparative Study on the Effect of Slopes on a Building in Different Seismic Zones	Rakshit Sharma and Anushka Anand	Ashish Kumar

17	Design and Analysis of Gravity Dam	Nikhil Sharma and Deval	Saurav
18	Estimation and Costing of a Building	Shubham and Varun kapil	Arnav Anuj Kasar
19	Seismic Demand Calculations for an Elevator	Madhvender Singh and Abhay Kanwar	Sugandha Singh
20	Comparision of Traditional and Concrete Bricks	Suryansh Singh and	Rohan Singhal
21	Warehouse Analysis Using Staad Pro	Harshit Thakur and Yash Gupta	Kaushal Kumar
22	Developing and Analyzing the model of railway underpass Box Pushing Technique	Vishali Thapta and Saijal Verma	Akash Bhardwaj
23	Microplastic Detection in Water Using Image Processing	Abhinesh Thakur and Dechen Tshomo	Rana, Rishi
24	Performanceevaluation of Polyethylene Terephthalate (PET) Geocell Reinforced Municipal Solid Waste Pavement Layer: a Finite Element (FE) Numerical Study	Atul Vashisht and Hemang Jandrotia	Saurabh Rawat
25	Factors Affecting the Supplier Selection and Performance in a Constraction Project	Bhuvan Walia and Pranav Dogra	Akhilesh Gandhi
26	Structural Behaviour Evaluation of Corroded and Non Corroded RCC Beams an Experimental and Numerical Approach	Kinley Zam and Pema Yuden	Saurav

  
Co-ordinator  
B Tech Project

  
HoD  
Civil Engineering  
Dr. Ashish Kumar  
Professor & HOD of Civil Engineering  
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### Department of Civil Engineering B.Tech Minor Projects Academic Year 2020-2021

S.No	Title	Name of Students	Name of Supervisor
1	Cost estimation for design of water tank using primavera	Kinley Zam and Pema yuden	Dr. Saurav
2	Non-Destructive testing for Corrosion Monitoring in reinforced concrete	Muskan negi and Abhishek sharma	Dr. Saurav
3	Design Of Earthquake Resistant Building	Aniket and Rohit Lakhera	Dr. Tanmay Gupta
4	Codal Provision For Foundation Designing On Soil/Rocks	Vishal Garg and Aditya Chauhan	Dr. Tanmay Gupta
5	Air Dispersion Modelling Near a Cement Factory	Dechen Tshomo, Tshering Gyelsten and Phub Dorji	Dr. Rishi Rana
6	Plant Disease Detection using Image Processing	Ayush Thakur and Deepak Sharma	Dr. Rishi Rana
7	Design and Modelling of Infrastructure for Residential and Community Water Reuse	Madhvender Singh, Abhay Kanwar and Abhinesh Thakur	Dr. Rishi Rana
8	Design of Residential Building	Ujjwal and Passang Dorji	Prof. Ashish Kumar
9	Building design & Analysis	Rakshit Sharma and Anushka Anand	Prof. Ashish Kumar
10	Static and dynamic analysis of hill slopes	Sonam Tshewang Dema and Namgay Wangmo	Niraj Singh Parihar
11	Design and Analysis of G+6 building using STAAD PRO	Gaurav Sharma and Abhay Joshi	Niraj Singh Parihar
12	Civil Estimate of a Seminar Hall	Vishali Thapta and Saijal Verma	Prof. Ashok Kr. Gupta and Mr. Akash Bhardwaj
13	Planning and scheduling of G+2 building using Primavera	Yamit Dhalaik and Ritik	Akash Bhardwaj
14	Detail Study of Burj Khalifa	Manish and Lakshay Sharma	Chandra Pal Gautam
15	To plan and design a framed structure	Sahil Negi	Chandra Pal Gautam
16	Design and Analysis of Commercial Building in STADD Pro	Rishabh Jaswal and Sushant	Chandra Pal Gautam

*Gaurav*  
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B.Tech Project

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### Department of Civil Engineering B.Tech Major Projects Academic Year 2021-2022

S.No	Title	Name of Students	Name of Supervisor
1	Assessment of a damaged underground water tank	Nischay Thakur and Deepak Thakur	Dr. Saurav
2	Foamed concrete: An introduction	Arjun Verma and Astik Prashar	Dr. Tanmay Gupta
3	Artificial Intelligence for surface water quality monitoring	Ujjwal Sharma and Manan Sharma	Dr. Rishi Rana
4	Efficacy of IoT in Sewage Treatment Plant	Harish Singh Kanwar and avinash	Dr. Rishi Rana
5	Utilization of waste materials in the construction of rigid pavement	Sonam Dorji, Sonam Tshering and Abhay Sharma	Dr. Amardeep
6	Understanding Structural Dynamics and Earthquake Engineering for Conducting Probabilistic Seismic Risk Assessment	Rada Wangmo and Tenzin Wangchuk	Sugandha Singh
7	Conventional and sustainable treatment of sulphatic and non-sulphatic expansive soils	Aryan Singh and Apoorav Bedi	Niraj Singh Parihar
8	Treatment of Industrial Waste water using Sustainable techniques and to Resuse it for Agricultural purposes	Shubham Sharma, Ayush Thakur And Naman Bhardwaj	Prof. Ashok Kr. Gupta and Mr. Akash Bhardwaj
9	Project Management Using IoT	Devendra Ahlay And Pem Dorji	Akash Bhardwaj
10	Remediation of Greywater for sustainable use	Paras Jaswal	Saurabh Rawat
11	Bond Strength of epoxy resin systems used with concrete.	Jeewan Biswa and Karma Choden	Dr. Arnav Anuj Kasar

*Saurav*  
Co-ordinator  
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*Ashish Kumar*  
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## B.Tech Final Year Projects (2017-18)

S.No	Roll No	Name	Group Code	Supervisor	Area of Interest/Topic
1	141026	AMIT KUMAR TIWARI			
2	141063	AMAN SINGH			
3	141065	SHREYA GUPTA	ALK-1	Mr. Alok Kumar	Energy efficient Wireless Sensor Network
4	141062	ADITYA SHEFORAN			
5	141089	SACHIN SURA			
6	141103	VANDANA KHURANA	NAJ-1	Mr. Naveen Jaglan	Wireless Sensor Network
7	141029	HARSHUL TANDAN			
8	141039	PARIMA GOEL	AWS-1	Dr. Ashwani Sharma	Design of cross layer protocol and methods for wireless sensor network
9	141030	AMAN SHARMA			
10	141049	SHAGUN MALHOTRA			
11	141053	ABHISHEK RANA	AWS-2	Dr. Ashwani Sharma	Investigation of the effect of directional antenna's uses in cognitive radio ad-hoc networks
12	141042	SATYA PRAKASH YADAV	HAR-1	Dr. Harsh Sohal	FPGA Based Algo Implementation
13	141014	RADHIKA DUBE			
14	141021	SARTHAK GUPTA			
15	141027	TARUN GUPTA	HAR-2	Dr. Harsh Sohal	Implementation of heart rate variability analysis on FPGA platform
16	141069	RAHUL ATTRI			
17	141072	SHIVEN	HAR-3	Dr. Harsh Sohal	An FPGA Based Singular Value Decomposition Processor
18	141070	NISHANT SINGH			
19	141076	GAURAV VERMA			
20	141081	VISHAVIJIT SHARMA	HAR-4	Dr. Harsh Sohal	Implementation of FFT algorithm using FPGA
21	141003	ANUBHAV MATHUR			
22	141010	FRANCO BHALLA			
23	141011	RACHIT SAINI	MGG-1	Mr. Mohit Garg	Unmanned aerial vehicle control design
24	141043	SANDHYA BHADOURIA			
25	141048	ANUBHAV JAIN			
26	141096	SUSHILA KUMARI MEHTA	MGG-2	Mr. Mohit Garg	Protocols for VLAN based infrastructure:Design and layout
27	141077	SHREYA GOEL			
28	141078	MUKUL NAIN			
29	141079	AAKANSHA SAROHA	MGG-3	Mr. Mohit Garg	Simplification & Approximation Analysis of Dynamic Systems for Control Design
30	141095	ANKIT VERMA			
31	141107	ABHISHEK KUMAR SINGH			

  
 20/08/2018

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455 631 409 (9 Hrs) 452 450 (4 hrs) 453 454 (4 hrs)


32	141056	NIKHIL ELIAS			
33	141074	AMIT MEHTA			
34	141075	SHWET ANMOL	MNS-2	Dr. Meenakshi Sood	Speech recognition using MFCC
35	141013	RISHABH SHAHI			
36	141082	ANUPAM KAUSHAL			
37	141083	SUNNY GULERIA	MNS-3	Dr. Meenakshi Sood	IOT based Smart plant system
38	141032	SIDDHARTH SINGH			
39	141038	SAYAM GUPTA			
40	141052	MANAS SRIVASTAVA	MNS-4	Dr. Meenakshi Sood	Matlab image processing
41	141028	AMAN PATEL			
42	141033	AMRITYA PRADEEP			
43	141037	ABHINAV SHARMA	MSD-1	Mr. Munish Sood	Embaded System
44	141041	DEAVERSHI TEWARI			
45	141084	RUCHIKA RANAUT			
46	141092	APOORVA SAHU	MSD-2	Mr. Munish Sood	Traffic system
47	141055	ABHISHEK SHARMA			
48	141071	HIMANI BHARDWAJ			
49	141040	PARITOSH SRIVASTAVA	NSA-1	Dr. Neeru Sharma	IOT Based Garbage Monitoring System
50	141085	NIPUN AGGARWAL			
51	141090	SHASHI SHEKHAR SHUKLA			
52	141098	RAAJ	NSA-2	Dr. Neeru Sharma	IOT Based Air and sound Monitoring System
53	141020	SMRITI SHUKLA			
54	141091	VANSHIKA SHARMA			
55	141104	YASHVI KHANDELWAL	NSA-3	Dr. Neeru Sharma	Smart room using IOT
56	141002	KUSHAGAR TYAGI			
57	141004	NISHANT AMBIYA			
58	141088	PRASHANT SHARMA	PDG-1	Mr. Pradeep Garg	TelePresence Robot
59	141001	PRINCE RAJ			
60	141005	RAVI KUMAR			
61	141007	NIKHIL SHARMA	EMP-1	Dr. Emjee Puthooran	Mobile controlled robot
62	141008	SURAJ SINGH THAKUR			
63	141016	DHRITAYMAN SHARMA			
64	141017	PANKAJ SHARMA	RKU-1	Dr. Rajiv Kumar	The Smart plant pot using Arduino
65	141006	ABHINAV KUMAR PANDEY			
66	141015	SHIVANGI SUD			
67	141018	ABHINAV KUMAR	RKU-2	Dr. Rajiv Kumar	E health care system
68	141046	NITESH PORWAL			

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*(Signature)*  
 04/10/2022

69	141086	DEEPESH KUMAR GUPTA			
70	141094	HARSH VARDHAN SINGH	RKU-3	Dr. Rajiv Kumar	Infra red ground imaging using quadcopter
71	141045	ASHISH SAINI			
72	141051	ADITYA RAJ			
73	141099	NITESH KUMAR	SHR-1	Dr. Shruti Jain	FPGA based ECG signal analysis system using least square linear phase FIR filter
74	141034	NIKHIL AGGARWAL			
75	141035	RAJAT VERMA			
76	141044	SHIKHER GUPTA	RKU-4	Dr. Rajeev Kumar	Home Automation Using Bluetooth
77	141054	ALANKRIT DUBEY			
78	141058	AKASH LUTHRA			
79	141060	VANSHIKA JUYAL	PRG-1	Pragya Gupta	Probability distribution model (Mobile signal distortion)
80	141057	ROHIT PATHAK			
81	141068	ABHINAV GOEL			
82	141080	SHUBHAM NANDA	SWT-1	Dr. Shweta Pandit	FM Radio
83	141064	PUSHPENDER SINGH			
84	141087	MAYANK AMETA			
85	141106	KESHAV SAINI	RKU-5	Dr. Rajeev Kumar	Intelligent Parking Automation System
86	141066	ARPIT ARORA			
87	141067	SHAURYA MEHRA			
88	141097	SHRUTI GUPTA	NSA-4	Dr. Neeru Sharma	Network Security
89	141022	VIMAL CHOUDHARY			
90	141050	VIRENDER SINGH	NTJ-1	Mr. Nishant Jain	Face detection in a image using image processing

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 02/08/2022



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DISTT. SOLAN (H.P.) - 173234;**

**Department of Electronics and Communication Engineering**

**B. Tech. (Final Year) PROJECT TITLES 2018-19**

SR. NO.	ROLL NO.	NAME OF THE STUDENT	GROUP CODE	Supervisor/Guide Name	PROJECT TITLES
1	151045	RAMNEET KAUR	ALK1	Mr. Alok Kumar	SPECTRUM SENSING IN COGNITIVE RADIO USING FUZZY LOGIC.
2	151058	SIDDHARTH SHARMA	ALK1		
3	151073	SUCHITA SINGH KANTHWAL	ALK1		
4	151019	MAHIMA SURI	ALK2	Mr. Alok Kumar	NODE SELECTION SCHEME FOR COOPERATIVE SPECTRUM SENSING IN COGNITIVE RADIO
5	151079	ABHINAVAN DAN SHARMA	ALK2		
6	151080	SHIVAM VERMA	ALK2	Dr. Emjice Puthooran	IOT ENABLEED SMART WATER HEATING SYSTEM
7	151078	RISHAV KASHYAP	EMP1		
8	151097	RISHAB UPMANYU	EMP1		
9	151111	ARPIT JINDAL	EMP1		
10	151095	AKSHIT CHANDEL	EMP2		
11	151098	RISHABH KANWAR	EMP2		
12	151110	SANDEEP SHARMA	EMP2		
13	151053	HARSHIT JAIN	HSL2		
14	151055	SACHIN TAKYAR	CND7	Dr. Harsh Sohal	IMPLEMENTATION OF VARIOUS PROTOCOL USING FPGA
15	151081	SHAURYA MEHROTRA	HSL2		
16	151052	HIMANSHU CHOUDHARY	HSL1	Mr. Mohit Garg	DESIGN AND PERFORMANCE EVALUATION OF PCIE ON DIFFERENT FPGA
17	151057	LOVISH SINGLA	HSL1		
18	151066	GUNDEEP SINGH	HSL1		
19	151007	ANUJ PURWAR	MGG2		
20	151013	MOHIT PATEL	MGG2		
21	151025	KARAN AHUJA	MGG2		
22	151051	RISHI CHAWLA	MGG1		
23	151059	RIVA OHRI	MGG1		
24	151067	AKRAMA SAIFI	MGG1	Dr. Rajiv Kumar Head, Department of Electronics and Comm. Engg. Jaypee University of Information Technology, Waknaghat, Distt. Solan (H.P.) Pin-173234	AUTOMATED WATER MONITORING SYSTEM WITH WATER LEAKAGE DETECTION AND LOCALIZATION
25	151063	SHRUTI SABHERWAL	MNS1		
26	151064	Deepankar Mathur	MNS1		
27	151089	ANJLISH JAIN	MNS1	Dr. Rajiv Kumar Head, Department of Electronics and Comm. Engg. Jaypee University of Information Technology, Waknaghat, Distt. Solan (H.P.) Pin-173234	SWARM ROBOT FOR MILITARY APPLICATIONS

Page 3 of 3  
Page No. 10  
Date: 10/01/2019

28	151061	KAUSHIKEE	MNS2	Dr Meenakshi Sood	SEGMENTATION AND ANALYSIS OF DIAPHRAGM FROM ULTRASOUND IMAGES
29	151076	SWARIT SOOD	MNS2		DESIGN AND DEVELOPMENT OF IOT BASED SMART AGRICULTURE MONITORING SYSTEM
30	151077	NIKHIL VERMA	MNS2		
31	151041	BHUMIKA GARG	MNS3		
32	151042	JASLEEN KAUR	MNS3		
33	151043	MAHIMA PARASHAR	MNS3		
34	151044	DIHRUV GARG	MSD1		
35	151072	ABHINANDAN GUPTA	MSD1		
36	151109	SAHIL JAS	MSD1		
37	151009	SAHAJ CHOPRA	MSD2		
38	151086	MANAN KASHMIRI	MSD2		
39	151060	ANUBHAV TOMAR	MSD2		
40	151100	KANGHAN RANI	NFK1		
41	151107	PALLVI	NFK1		
42	151088	MANIKYA SABHARWAL	NFK2		
43	151106	DIVYANSHI KAISTHA	NFK2		
44	151112	PARAS GUPTA	NFK2		
45	151028	KRITIKA CHAUDHARY	NSA2		
46	151039	AMOGH MISHRA	NSA2		
47	151047	PRAFULL RAINA	NSA2		
48	151049	AKHIL RANA	NSA1		
49	151069	SMRITI THAKUR	NSA1		
50	151091	SHIVANGI	NSA1		
51	151001	SAHIL SINGLA	NTJ1		
52	151010	KARTIK BANTA	NTJ1		
53	151093	ARPIT RITURAJ	NTJ2		
54	151102	AKSHIT SHARMA	NTJ2		
55	151103	GOURI SHARMA	NTJ2		
56	151090	ANNIE SHARMA	NAJ2		
57	151101	MEDHA GUPTA	NAJ2		
58	151105	SIMRAN CHAUHAN	NAJ2		
59	151027	AKSHAT BHATTNAGAR	NAJ1		

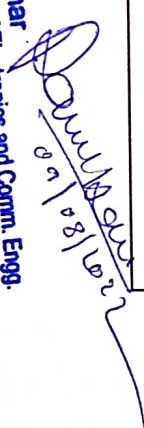
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Dr. Naveen Jaglan  
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DATA TRANSMISSION  
 DESIGN OF MICROSTRIP ANTENNA FOR PRACTICAL APPLICATIONS BAND NOTCHED CHARACTERISTICS

60	151030	AJAY SINGH	CND6		DATA TRANSMISSION THROUGH WIFI
61	151040	RHEA KUKRETI	NAJ1		FIDELITY (LI-FD) COMMUNICATION
62	151011	RITUL SINGH	CND2		ANALYSIS OF WINDOW LENGTH VARIATION OF SHORT-TIME FOURIER TRANSFORM IN VARIOUS APPLICATIONS
63	151021	RICHA BHARDWAJ	PDG1	Ms Pragyaa Gupta	IOT BASED SMART ASSISTANT BOT
64	151024	AKRITI GUPTA	PDG1		
65	151014	PRAKHAR TIWARI	PDG2		
66	151034	PRASHANT ARYA	PDG2		
67	151008	PARAS MITTAL	PRG1		ALCOHOL LEVEL DETECTION SYSTEM FOR DRIVER'S SECURITY USING IOT
68	151017	AYUSHI AWASTHI	PRG1		
69	151018	ISHUJA	PRG1	Mr Pardeep Garg	IOT COLOR BASED PRODUCT SORTING MACHINE
70	151012	JAGRITI LONDON	PRG2		
71	151070	MAHIMA AGARWAL	PRG2		
72	151082	SIDDHIKA SETHI	PRG2		SMART CROPS MONITORING SYSTEM USING IOT
73	151037	NIKHIL K SHANDELYA	RJK1	Dr Rajiv Kumar	EARTHQUAKE DETECTOR USING ARDUINO
74	151083	ROHAN	RJK1		
75	151085	KARMAANYA SHARMA	RJK1		
76	141025	ANNMOL SHARMA	RJK2		
77	151020	BHAVISHYA PATHAK	RJK2		
78	151062	PRABIHAT KUMAR SINGH	RJK2		
79	151005	ANISH VIJAN	SHR1	Dr Shruti Jain	COMPARATIVE ANALYSIS OF VARIOUS IMAGE FUSION TECHNIQUES ON MULTI SENSOR AND MEDICAL IMAGES
80	151015	MOHIT SACHDEVA	SHR1		
81	151065	PARTH DUBEY	CND3		ABSENTEEISM IN MNCS-A PREDICTIVE MODEL
82	151087	KRITTIKA TEWARI	SHR2		
83	151092	SHIRYA VANDITA	SHR2		
84	151002	ADITYA THAKUR	CND4	Dr Sunil Datt Sharma	APPLE GRADING USING IMAGE PROCESSING
85	151022	MAHESH KUMAR	SLD1		
86	151023	NIKHIL THAKUR	SLD1		
87	151004	MANISHA SHARMA	CND1		DIAGNOSIS OF RESPIRATORY DISEASES USING SIGNAL PROCESSING AND MACHINE LEARNING
88	151016	RETIKA MITTAL	SLD2		
89	151048	SANSHIT DANG	SLD2		
90	151031	MOHIT KUMAR GUPTA	SWT1	Dr. Rajiv Kumar Head, Department of Electronics and Comm. Engg. Jaypee University of Information Technology, P.O.-Waknaghat, Distt. Solan (H.P) Pin-173 234	SMART STREET LIGHTING SYSTEM
91	151056	RUSHIL BIHATNAGAR	SWT1		

92	151029	DIVESH KUMAR	SW/T2	Dr Shiveta Pandit	ALCOHOL DETECTION WITH AUTOMATIC CAR ENGINE LOCKING SYSTEM
93	151094	ANSHUMAN THAKUR	SW/T2		
94	151108	APPOORV UPADHYAY	SW/T2	Dr Vikas Baghel	SUN TRACKING SOLAR PANAL RFID BASED AUTO THEFT SECURITY SYSTEM AND IMMOBOLIZER
95	151036	TARUN PRAKASH	VKB1		
96	151071	AYUSH GOEL	VKB1		
97	151054	ADISH	VKB2		
98	151074	RAGHAV BAWA	VKB2		

  
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Department of Electronics and Communication Engineering

B. Tech. (Final Year) MAJOR PROJECT TITLES 2019-20

Sl.	Roll No.	Name	Group Code	Supervisor	Title of the Project
1	161046	Narendra Jangid	ALK-1	Dr. Alok Kumar	Effects of PUEA on Cognitive Radio Networks
2	161118	Prashant Kumar			
3	161023	Parthsarthi Bassi			
4	161834	Bhashit Aggarwal	ALK-2	Dr. Alok Kumar	Security Analysis in Cognitive Radio
5	161116	Kanwar Singh Riat			
6	161005	Samson Shukla	ALK-3	Dr. Alok Kumar	Voice Focus
7	161030	Himanshu Walia	EMP-1	Dr. Emjee Puthooran	Smart water quality monitoring system using IoT
8	161028	Yash Porwal			
9	161003	Akshay Som	EMP-2	Dr. Emjee Puthooran	Non-invasive blood glucose monitoring system using IoT
10	161006	Sumit Thakur			
11	161015	Siddharth Singh	EMP-3	Dr. Emjee Puthooran	Automatic safe drive assistance
12	161063	Alok Shekhar Bhardwaj			
13	161059	Rahul Singh			
14	161098	Yatharth Gautam	HSL-1	Dr. Harsh Sohal	FPGA based signal generation and acquisition
15	161092	Ashish Kumar Verma	HSL-2	Dr. Harsh Sohal	ECG data acquisition & wireless transmission
16	161021	Himanshi Singh			
17	161014	Anushka Sharma			
18	161073	Surbhi Garg	MSD-1	Mr. Munish Sood	Mind controlled drone
19	161679	Prachi Bekta			
20	161648	Uday Sood			
21	161041	Manthan Thakur	MSD-2	Mr. Munish Sood	Pulse signal processing for analysis of cardiovascular diseases
22	161106	Sahil Rana			
23	161107	Shubham Jamwal			
24	161060	Abhinav Sharma	NVN-1	Dr. Naveen Jaglan	Design and analysis of compact UWB antenna
25	161102	Archit Sugha	NVN-2	Dr. Naveen Jaglan	Multiplexing based displaying of data in a 3D matrix of LEDs
26	161011	Sarthak Kaushik			
27	161062	Abhishek Jha			
28	161056	Kriti Verma	NFK-1	Dr. Nafis uddin Khan	Detection of driver's drowsiness
29	161645	Pragati Srivastava			
30	161069	Mehak Beakta			
31	161035	Aditya Mohan	NFK-2	Dr. Nafis uddin Khan	Plant disease detection using clustering-based segmentation and neural network
32	161040	Arjun Sharma			
33	161097	Utkarsh Sharma			
34	161115	Sarthak Srivastava	PDG-1	Mr. Pardeep Garg	Driving assistant platform for self driving vehicles
35	161038	Shashwat	PDG-2	Mr. Pardeep Garg	Multiple organ failure detection using Machine Learning
36	161081	Utkarsh Gupta	NTJ-1	Dr. Nishant Jain	Vehicle accident automatic detection & informing system
37	161093	Aditya Tiwari			
38	161087	Shikhar Srivastava			
39	161104	Abhishek Koundal	NTJ-2	Dr. Nishant Jain	Intruder detection system using IoT
40	161078	Tarun Gupta			
41	161101	Divyansh Parmar	NTJ-3	Dr. Nishant Jain	Automatic number plate recognition system
42	161641	Aman Dhir	SRU-1	Lt. Pragya Gupta	Person-Following autonomous robotic car
43	161114	Nitin Rahi			
44	161113	Ayush Goel			
45	161042	Sonia Jain	RKU-1	Dr. Rajiv Kumar	Development of tools & technology for visually impaired
46	161032	Tanya Gupta			
47	161034	Nilesh Kishor			
48	161099	Somya Chaturvedi	RKU-2	Dr. Rajiv Kumar	IoT based smart mirror
49	161082	Shikhar Srivastava			
50	161090	Deepak Kumar			
51	161047	Suresh Arora	RKU-3	Dr. Rajiv Kumar	Epileptic patient care
52	161045	Shailu Srivastava	SHR-1	Dr. Shruti Jain	Design & simulation of optimum digital filters using windowing technique
53	161027	Garima Malhotra	SHR-2	Dr. Shruti Jain	Liver cancer detection and classification based on optimum feature fusion
54	161033	Kushagra Srivastava			
55	161117	Manthan Chauhan			

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*[Signature]*  
07/08/2022

56	161683	Uday Sharma	SLD-1	Dr. Sunil Datt Sharma	Promoter recognition in human DNA sequence using Deep Learning
57	161080	Ayshika Kapoor			
58	161017	Kanika Choudhary	SLD-2	Dr. Sunil Datt Sharma	Structural health monitoring using signal processing & deep learning
59	161070	Rushmika Singh			
60	161009	Satyam Kumar	SWT-1	Dr. Shweta Pandit	Robotic vehicle metal detector
61	161025	Shivansh Gusain			
62	161075	Bhavya Chadha	SWT-2	Dr. Shweta Pandit	Wireless surveillance robot
63	161068	Inderpreet Singh	VBL-1	Dr. Vikas Baghel	Optical Character Recognition
64	161083	Apurva Padiyal			
65	161086	Devashish Dimri			
66	161110	Hardik Sharma	VBL-2	Dr. Vikas Baghel	Gesture control robotics arm

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*Rajiv Kumar*  
 09/08/2021



B. Tech. (Final Year) MAJOR PROJECT TITLES, 2020-21

Sl.	Roll No.	Name	Group	Supervisor	Title of the Project
1	171014	Ujjwal Jain	ALK-1	Dr. Alok Kumar	BLOCKCHAIN BASED VOTING SYSTEM
2	171031	Shubham Kumar			
3	171027	Sheetanshu Saurabh	ALK-2	Dr. Alok Kumar	HEALTH MONITORING SYSTEM using ESP8266 and ARDUINO
4	171020	Sanyam			
5	171002	Ayush Kumar Jaiswal	ALK-3	Dr. Alok Kumar	IOT BASED PET FEEDING SYSTEM
6	171043	Saurav Anand	EMP-1	Dr. Emjee Puthooran	SENTIMENT ANALYSIS
7	171052	Shubham Singh	EMP-2	Dr. Emjee Puthooran	STAIR CLIMBING ROBOT
8	171012	Tushar Agarwal	HSL-1	Dr. Harsh Sohal	VEHICLE THEFT PREVENTION
9	171079	Kartikey Bindal			
10	171034	Tarun Arora	HSL-2	Dr. Harsh Sohal	IMPLEMENTATION OF MACHINE LEARNING ALGORITHMS FOR HEART DISEASE PREDICTION
11	171035	Ishan Goyal			
12	171028	Hitesh Thakur	MSD-1	Mr. Munish Sood	HANDWRITING RECOGNITION USING MACHINE LEARNING
13	171024	Pankaj Singh Rathour	MSD-2	Mr. Munish Sood	IOT BASED CONTACTLESS THERMOMETER
14	171005	Akhil Chauhan	NFK-1	Dr. Nafis uddin Khan	IOT BASED TRAFFIC SIGNAL MONITORING AND CONTROLLER
15	171010	Sangharsh Singh	NFK-2	Dr. Nafis uddin Khan	ARDUINO BASED ULTRASONIC RADAR
16	171029	Sarthak Bisht	NFK-2	Dr. Nafis uddin Khan	ARDUINO BASED ULTRASONIC RADAR
17	171037	Shaurya Rajput	NTJ-1	Dr. Nishant Jain	Self Driving And Human Following Trolley
18	171078	Nikhil Tanwar			
19	171075	Aadhya Bajpai	NTJ-2	Dr. Nishant Jain	PYTHON GUI FOR IMAGE PROCESSING APPLICATIONS
20	171009	Kritik Verma	NVN-1	Dr. Naveen Jaglan	STOCK MARKET PRICE PREDICTION USING SENTIMENT ANALYSIS
21	171016	Keshav Vohra			
22	171042	Ramit Bawa	NVN-2	Dr. Naveen Jaglan	WEB SECURITY
23	171605	Amisha Kumari	NVN-3	Dr. Naveen Jaglan	Cluster Size And Cluster Head Selection Using Hybrid Techniques In Wireless Sensor Networks
24	171062	Vishal Srivastava	PDG-2	Mr. Pradeep Garg	PROBE INTO COMPANY REVIEWS: AN APPROACH TO INSPECT WORKSPACE ENVIRONMENT
25	171074	Akshat Gupta			
26	171041	Sushant Singh	PDG-3	Mr. Pradeep Garg	Extant: The COVID-19 Employee Attendance System
27	171023	Abhishek Malik	PKJ-1	Mr. Pankaj Kumar	RFID BASED DOOR LOCK SECURITY SYSTEM
28	171006	Prerna Kanwar	PRG-1	Lt. Pragya gupta	CHEST DISEASE DETECTION FROM X-RAY
29	171030	Alok Pandey	RKU-1	Dr. Rajiv Kumar	FAKE NEWS DETECTION USING MACHINE LEARNING
30	171040	Piyush Kumar Singh	RKU-3	Dr. Rajiv Kumar	SMART LIGHTING SYSTEM
31	171076	Sudhanshu Mishra			
32	171008	Sanket Saxena	SHR-1	Dr. Shruti Jain	DEEP LEARNING-BASED SEVERITY PREDICTION FOR DIABETIC RETINOPATHY
33	171019	Shivam Sinha			
34	171057	Bandana Pal	SHR-2	Dr. Shruti Jain	DETECTION OF CEREBROVASCULAR DISEASES EMPLOYING NOVEL FUSION TECHNIQUE
35	171033	Ritwik Sood	SLD-1	Dr. SunilDatt Sharma	CLASSIFICATION OF AUDIO SIGNALS USING STFT
36	161029	Akhilesh Sapehia			
37	171001	Abhishek Bundel	SRU-1	Dr. Salman Raju	NON-CONTACT THERMOMETER
38	171032	Shivansh Suhane			
39	171007	Sahitya Bhalaik	SRU-2	Dr. Salman Raju	AUTOMATING THE IRRIGATION PROCESS BY ANALYZING THE SOIL AND WEATHER CONDITION REPORT
40	171013	Karan Malik			
41	171004	Diwakshu Katoch	VKB-1	Dr. Vikas Baghel	IoT-Based Smart City
42	171025	Kshitij Katoch			
43	171070	Anupam Srivastava	SLD-2	Dr. SunilDatt Sharma	CLASSIFICATION OF CANCEROUS AND NON-CANCEROUS DNA SEQUENCES USING DSP BASED METHOD
44	171073	Saumya Jajodia			

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Department of Electronics and Communication Engineering

B. Tech. (Final Year) MAJOR PROJECT TITLES, 2021-22



Sl	Roll No.	Student Name	Group	Supervisor	Project Title
1	191007	Apurav Sharma	EC306	Dr. Harsh Sohal	Virtual Attendance System
	191015	Srajan Sharma	EC306	Dr. Harsh Sohal	
2	191010	Rohit Raj	EC308	Dr. Naveen Jaglan	Vehicle Ignition System
	191044	Shreyansh Srivastava	EC308	Dr. Naveen Jaglan	
3	191016	Varun Katoch	EC311	Dr. Shruti Jain	Bluetooth Control Robot Using Arduino
	191022	Karan Verma	EC311	Dr. Shruti Jain	
4	191028	Ritika Tiwari	EC315	Dr. Naveen Jaglan	Diabetic Retinopathy
	191035	Dhruv Thakur	EC315	Dr. Naveen Jaglan	
5	191031	Prakhar	EC316	Mr. Pankaj Kumar	AUTONOMOUS SELF DRIVING CAR
	191037	Chandramauleshwar Singh	EC316	Mr. Pankaj Kumar	
6	191002	Sagrika Gargya	EC302	Dr. Nafisudin Khan	Real Time Face Mask Detection Based On Deep Learning
	191034	Falguni Bharadwaj	EC302	Dr. Nafisudin Khan	
	191041	Vaishnavi Singh	EC302	Dr. Nafisudin Khan	
7	191021	Shubham Jha	EC313	Dr. Salman Raju Talluri	Stock Market Analyzer
	191043	Srinaga sai Kartik vinnakota	EC313	Dr. Salman Raju Talluri	
8	191033	Gaurang khanna	EC317	Dr. Nishant Jain	Wheel Chair Using Hand Gesture
	191045	Anjali Rana	EC317	Dr. Nishant Jain	
9	191038	Devansh Gupta	EC318	Dr. Sunil Datt Sharma	IOT Based Traffic Management System
	191039	Ambar S. Tiwari	EC318	Dr. Sunil Datt Sharma	
10	191042	Deepak Kumar	EC320	Dr. Salman Raju Talluri	Sentiment analysis on Amazon dataset
	191049	Shivendra Singh	EC320	Dr. Salman Raju Talluri	
11	191001	Harshit Thakur	EC301	Dr. Vikas Baghel	Inner Speech Recognition
	191005	Saksham Gupta	EC301	Dr. Vikas Baghel	
12	191003	Saloni Sharma	EC303	Dr. Shweta Pandit	RFID Based salary calculator
	191047	Shalini Siddhi	EC303	Dr. Shweta Pandit	
13	191008	Saanidhya Yadav	EC307	Dr. Emjee Puthooran	Computer-aided Diagnosis for early detection and classification
	191023	Saransh Rohilla	EC307	Dr. Emjee Puthooran	
14	191026	Dhruv Batra	EC314	Dr. Shweta Pandit	ON LINE VEHICLE ACCIDENT REPORTER
	191036	Sumant Kumar Singh	EC314	Dr. Shweta Pandit	
15	191040	Sanskriti Choudhary	EC319	Mr. Munish Sood	IOT Based Smart Baby Incubator
	191046	Stuti Roy	EC319	Mr. Munish Sood	
16	191004	Pragya Tiwari	EC304	Dr. Pardeep Garg	Indie Lingual (Language translator)
	191012	Shikhar Trivedi	EC304	Dr. Pardeep Garg	
17	191006	Vijayant Chauhan	EC305	Lt. Pragya Gupta	AC to High Voltage DC
	191017	Ripunjay Singh Jandrotia	EC305	Lt. Pragya Gupta	
18	191011	Zeeshan Naseem	EC309	Dr. Alok Kumar	Smart connectivity: Li-Fi
	191029	Mukul Anand	EC309	Dr. Alok Kumar	
19	191013	Abhishek	EC310	Mr. Anuj Kumar Maurya	Smart basket
	191025	Amber Atri	EC310	Mr. Anuj Kumar Maurya	
	191048	Prajwal Shukla	EC310	Mr. Anuj Kumar Maurya	
20	191018	Pratham Bhardwaj	EC312	Dr. Rajiv Kumar	Multifunctional Drone
	191019	Vimal Bhatia	EC312	Dr. Rajiv Kumar	
	191020	Kartik Katoch	EC312	Dr. Rajiv Kumar	

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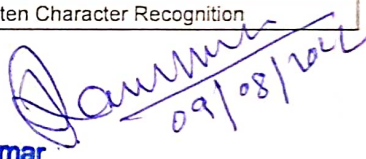


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Department of Electronics and Communication Engineering

B. Tech. (Final Year) MAJOR PROJECT TITLES, 2021-22

Sl	Roll No.	Student Name	Group	Supervisor	Project Title
1	181005	Vinayak Tiku	EC402	Dr. Shruti Jain	DETECTION OF DIABETIC RETINOPATHY USING DIGITAL IMAGE PROCESSING
2	181008	Arsh Kumar	EC404	Dr. Harsh Sohal	Content-Aware Image Resizing Using CNN
3	181025	Tavleen Singh	EC404	Dr. Harsh Sohal	
4	181011	Kartikay kaushal	EC406	Mr. Pankaj Kumar	
5	181023	Aditya Mishra	EC406	Mr. Pankaj Kumar	Web Application for Text Classification
6	181007	Aditya Kumar Jaiswal	EC403	Dr. Rajiv Kumar	IOT BASED BOT FOR MILITARY APPLICATIONS
7	181019	Avinash Verma	EC403	Dr. Rajiv Kumar	
8	181013	Nikhil Yadav	EC408	Dr. Nishant Jain	LIVER ULTRASOUND IMAGE SEGMENTATION USING MARKOV RANDOM FIELD
9	181027	Vaibhav Rastogi	EC413	Dr. Nafisudin Khan	Analysis of Machine Learning Models in Breast Cancer Detection
10	181029	Adarsh Thakur	EC414	Dr. Sunil Dutt Sharma	HUMAN ACTIVITY RECOGNITION
11	181010	Surbhi Kumari	EC405	Dr. Vikas Baghel	IoT Social Distancing And Monitoring Robot For Queue
12	181024	Kirti Parshionikar	EC405	Dr. Vikas Baghel	
13	181014	Sanyam gupta	EC409	Mr. Munish Sood	Arduino Based Face Mask Detection
14	181017	Kshitij Sharma	EC409	Mr. Munish Sood	
15	181020	Mudit katiyar	EC412	Dr. Emjee Puthooran	Gesture Controlled Robotic Arm
16	181001	Priyank Srivastava	EC401	Lt. Pragya Gupta	INTERNSHIP ON PATENT SEARCHING AND ANALYSIS
17	181012	Nikhil Thakur	EC407	Dr. Alok Kumar	Classification of Mushroom's into edible or poisonous
18	181022	Himanshu Thakur	EC407	Dr. Alok Kumar	
19	181015	Rakshit Sharma	EC410	Mr. Anuj Kumar Maurya	Hardware acceleration of Machine Learning on FPGA
20	181028	Raghav Sharma	EC410	Mr. Anuj Kumar Maurya	
21	181016	Kamlesh kumar	EC411	Dr. Pradeep Garg	Deep Learning Approach using CNN for Handwritten Character Recognition

  
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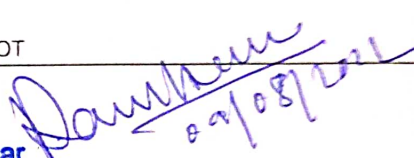
Department of Electronics and Communication Engineering

B. Tech. (Third Year) MINOR PROJECT TITLES, 2019-20

Sl.	Student Name	Roll No.	Group Code	Supervisor	Title of the Project
1	Ritvik Sood	171033	SLD-1	Dr. Sunil Datt Sharma	Intelligent alcohol system for car
	Akhilesh Sapehia	161029			
2	Sanket Saxena	171008	SHR-1	Dr. Shruti Jain	A review of image analysis using Machine Learning in retinal research
	Shivam Sinha	171019			
3	Bandana Pal	171057	SHR-2	Dr. Shruti Jain	A review on recent improved image fusion techniques
	Surya Mahajan	171060			
4	Kritik Verma	171009	NVN-1	Dr. Naveen Jaglan	Design of bandstop filter using Frequency Selective Surface
	Keshav Vohra	171016			
5	Ramit Bawa	171042	NVN-2	Dr. Naveen Jaglan	Smart security surveillance camera
	Ananya Sharma	171050			
5	Abhishek Bundel	171001	EMP-1	Dr. Emjee Puthooran	Autonomous car
	Rajnikant Yadav	171039			
6	Shubham Singh	171052	EMP-2	Dr. Emjee Puthooran	Implementation of vending machine algorithm using FPGA
	Nikunj Rastogi	171080			
7	Ayush Kumar Jaiswal	171002	NSA-1	Dr. Neeru Sharma	IOT based street light saving system
	Soham Anuja	171015			
8	Ananya Shukla	171038	NSA-2	Dr. Neeru Sharma	Automaali: Autonomous plant monitoring system
	Sushant Singh	171041			
9	Piyush Kumar Singh	171040	NSA-3	Dr. Neeru Sharma	Piezoelectric Power Generation
	Sudhanshu Mishra	171076			
10	Diwakshu Katoch	171004	VKB-1	Dr. Vikas Baghel	IOT based smart city
	Kshitij Katoch	171025			
11	Prachi Pal	171056	VKB-2	Dr. Vikas Baghel	Synthetic aperture RADAR imaging
	Aadhya Bajpai	171075			
12	Akhil Chauhan	171005	NFK-1	Dr. Nafisudin Khan	Water irrigation monitoring system
	Rohit Behl	171018			
13	Sangharsh Singh	171010	NFK-2	Dr. Nafisudin Khan	Vehicle number plate recognition
	Sarthak Bisht	171029			
14	Ojasvi	171058	NVN-3	Dr. Naveen Jaglan	Enhancement of life time of wireless sensor networks using clustering
	Amisha Kumari	171605			
15	Anupam Srivastava	171070	SLD-2	Dr. Sunil Datt Sharma	Bone fracture detection
	Saumya Jajodia	171073			
16	Prerna Kanwar	171006	PRG-1	Lt. Pragya Gupta	IOT based object detection smart band
	Shachi Sharma	171049			
17	Tushar Agarwal	171012	HSL-1	Dr. Harsh Sohal	Self balancing BOT
	Kartik Bindal	171079			
18	Tarun Arora	171034	HSL-2	Dr. Harsh Sohal	Credit card fraud
	Ishan Goyal	171035			
19	Sheetanshu Saurabh	171027	NTJ-1	Dr. Nishant Jain	Zig Bee vased home automation
	Saurav Anand	171043			
20	Shivansh Suhane	171032	NTJ-2	Dr. Nishant Jain	Fall detection using Image Processing
	Mehul Bandlish	171047			
21	Ujjwal Jain	171014	ALK-1	Dr. Alok Kumar	Initial coin offering
	Sanyam	171020			
22	Shubham Kumar	171031	ALK-2	Dr. Alok Kumar	Multistage spectrum sensing
	Shruti Singh	171065			
23	Archita Gupta	171021	SWT-1	Dr. Shweta Pandit	Wireless power transmission
	Shruti Sharma	171051			
24	Abhishek Malik	171023	SWT-2	Dr. Shweta Pandit	Light Fidelity and wireless communication
	Utkarsh Srivastava	171046			

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25	Spardha Kapil	171026	PDG-1	Mr. Pardeep Garg	IOT Based smart wristband
	Nikita Pandey	171053			
26	Vishal Srivastava	171062	PDG-2	Mr. Pardeep Garg	Stock forecasting using Machine Learning model
	Akshat Gupta	171074			
27	Alok Pandey	171030	RKU-1	Dr. Rajiv Kumar	Natural language processing - Spam filter
	Prashant Jaiswal	171048			
28	Anushka Dixit	171059	RKU-2	Dr. Rajiv Kumar	Agriculture system for developing farmer using IOT and AI
	Anshul Deorane	171069			
29	Shaurya Rajput	171037	SRU-1	Dr. Salman Raju	Creating different sound effects using electrical circuits
	Nikhil Tanwar	171078			
30	Sahitya Bhalaik	171007	SRU-2	Dr. Salman Raju	RF Filter Design
	Karan Malik	171013			
31	Mukul Bhatia	171003	MSD-1	Mr. Munish Sood	IOT based home security system
	Hitesh Thakur	171028			
32	Pankaj Singh Rathour	171024	MSD-2	Mr. Munish Sood	Parking system using IOT
	Dhananjai Bhalaik	171036			

  
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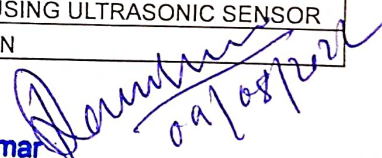


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Department of Electronics and Communication Engineering

B. Tech. (Third Year) MINOR PROJECT TITLES, 2020-21

Sl.	Roll No.	Student Name	Group Code	Supervisor	Title
1	181001	Priyank Srivastava	NFK-1	Dr. Nafisudin Khan	Document Scanner and Data Extraction using Image Processing Techniques
2	181005	Vinayak Tiku	NTJ-1	Dr. Nishant Jain	FACIAL DETECTION AND COUNTING OF PEOPLE IN PYTHON USING OPEN CV
3	181007	Aditya Kumar Jaiswal	RKU-1	Dr. Rajiv Kumar	IOT BASED HEALTH MONITORING SYSTEM
4	181008	Arsh Kumar	HSL-1	Dr. Harsh Sohal	AI in Games Using ML
5	181010	Surbhi Kumari	VKB-1	Dr. Vikas Baghel	SMART AGRICULTURE SYSTEM
6	181011	Kartikay kaushal	MSD-1	Mr. Munish Sood	To predict the bee species from image
7	181013	Nikhil Yadav	NVN-1	Dr. Naveen Jaglan	IOT BASED REMOTE HEALTH PARAMETER SYSTEM
8	181014	Sanyam gupta	PDG-1	Mr. Pradeep Garg	DATA ANALYSIS OF COVID-19 CASES IN INDIA USING PYTHON
9	181015	Rakshit Sharma	SWT-1	Dr. Shweta Pandit	Real time classification & clustering of people using Machine learning for COVID
10	181016	Kamlesh kumar	AJM-1	Mr. Anuj Kumar Maurya	Real estate Price Prediction using machine learning
11	181017	Kshitij Sharma	SHR-1	Dr. Shruti Jain	
12	181019	Avinash Verma	RSU-1	Dr. Salman Raju Talluri	Detect and Recognize Vehicle's Number Plate with Machine Learning and Python
13	181020	Mudit katiyar	EMP-1	Dr. Emjee Puthooran	INTRUSION ALERT SYSTEM using Bolt Wi-fi Module
14	181022	Himanshu Thakur	EMP-2	Dr. Emjee Puthooran	USED AUTOMOBILE PRICE PREDICTION USING MACHINE LEARNING
15	181023	Aditya Mishra	PKJ-1	Mr. Pankaj Kumar	AgriWeather
16	181024	Kirti Parshionikar	SLD-1	Dr. Sunil Dutt Sharma	FACE RECOGNITION BASED ATTENDANCE SYSTEM
17	181025	Tavleen Singh	NFK-2	Dr. Nafisudin Khan	Road Crack Detection
18	181027	Vaibhav Rastogi	ALK-1	Dr. Alok Kumar	Implementation of Machine Learning to Predict Bitcoin Rate
19	181028	Raghav Sharma	NTJ-2	Dr. Nishant Jain	HEIGHT MEASUREMENT USING ULTRASONIC SENSOR
20	181029	Adarsh Thakur	PRG-1	Lt. Pragya Gupta	HOUSE PRICE PREDICTION

  
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### B.Tech Project Report 2018

SNo	Title	Author	Author Relator	Year
1	Identification of Role of Regulatory SNPs rs3213150 and rs3213183 of E2F1 Gene in Susceptibility of Common Cancer in Himachal Pradesh Population	Handa, Vrishbhanu ;Sihra, Abhideep Kaur ;Changotra, Harish	Changotra, Harish[Guided by]	2018
2	Computational Enrichment Analysis and Development of a Web Based Database of Alzheimer's Associated Human Mitochondrial Genes using Comparative Expression Approach	Kalra, Siddhant ;Singh, Tiratha Raj	Singh, Tiratha Raj[Guided by]	2018
3	Development of Database of Genes Related to Endometriosis	Pandey, Deeksha;Ramana, Jayashree	Ramana, Jayashree[Guided by]	2018
4	HSMD: Human Skin Microbiome Database	Sharma, Jatin ;Thakur, Namrata ;Sharma, Diksha ;Ramana, Jayashree	Ramana, Jayashree[Guided by]	2018
5	Nit MAP: Nitrilase Mining and Prediction Database	Gaur, Dhruv ;Mehta, Shaurya ;Rout, Chittaranjan;Kumar, Narendra	Rout, Chittaranjan[Guided by];Kumar, Narendra [Guided by]	2018
6	DNA Repair Mechanisms and their Role in Alzheimer's Disease	Sisondia, Apurva ;Singh, Tiratha Raj	Singh, Tiratha Raj[Guided by]	2018
7	Structural Dynamics, Mechanism, and Interaction of Lytic Polysaccharide Monooxygenases with Cellobiose dehydrogenase	Arora, Mansi ;Yenamalli, Ragothaman M	Yenamalli, Ragothaman M [Guided by]	2018

8	Computational Studies on Substrate Specificity in Lytic Polysaccharide Monoxygenases	Arora, Radhika ;Yennamalli, Ragothaman M	Yennamalli, Ragothaman M [Guided by]	2018
9	Differential Expression Analysis of Selected Genes from Aflatoxin Biosynthesis Pathway at Different Morphotypes of <i>Aspergillus flavus</i>	Arora, Nitin ;Verma, Ojus ;Shankar, Jata	Shankar, Jata[Guided by]	2018
10	To Evaluate the Anti-Oxidant Potential of Anti-Diabetic Ayurvedic Medicines using ABTS And DPPH Assay	Bajpai, Kanika ;Udayabanu, M	Udayabanu, M[Guided by]	2018
11	Production of $\alpha$ -Amylase by Solid State Fermentation of Apple Pomace	Bhandari, Amit ;Thakur, Anil Kant	Thakur, Anil Kant[Guided by]	2018
12	Cloning of Yeast Glycerol-3-Phosphate Phosphatase (GPP1) in <i>Escherichia Coli</i>	Bisht, Aakriti ;Bansal, Saurabh	Bansal, Saurabh[Guided by]	2018
13	Green Synthesis of Iron Oxide Nanoparticles using <i>Datura stramonium</i> and their Interaction with Bovine Serum Albumin	Chauhan, Rahul ;Kaul, Sushain ;Chaudhary, Abhishek	Chaudhary, Abhishek[Guided by]	2018
14	Evaluation of Prebiotic Activities of Resistant Starch from Potatoes	Chakravarty, Ankita ;Tandon, Moksh ;Goel, Gunjan	Goel, Gunjan [Guided by]	2018
15	Competitive Insights on the Oral Proteins and Peptides Market and Viral Vector and Plasmid DNA Manufacturing Market	Chakravarty, Nayanika ;Kumar, Sudhir	Kumar, Sudhir[Guided by]	2018
16	Formulation of Synbiotic Fermented Soymilk Product	Choudhary, Shagun ;Singh, Manisha ;Goel, Gunjan	Goel, Gunjan [Guided by]	2018

17	E- Mediation and Preventive Healthcare: insights for healthcare industry	Gupta, Kshitiz ;Kaur, Anupriya	Kaur, Anupriya[Guided by]	2018
18	Evaluation of Antibacterial Activity of Zinc Oxide Nanoparticles Synthesized Via Green Route against Bacillus Subtilus	Gyeltshen, Tandin ;Bisht, Gopal Singh	Bisht, Gopal Singh[Guided by]	2018
19	Predictive Modelling using Hadoop and Statistical Analysis of Gene Expression Data for Breast Cancer	Jaiswal, Somya ;Singh, Tiratha Raj;Gupta, Pradeep Kumar	Singh, Tiratha Raj[Guided by];Gupta, Pradeep Kumar[Guided by]	2018
20	Green Synthesis of Copperoxide Nanoparticles using Alium Cepa and its Usage for Lead Detection	Johari, Archita ;Chaudhary, Abhishek	Chaudhary, Abhishek[Guided by]	2018
21	Elicitation of Salidroside under Tissue Culture Conditions in The Transhimalayan Plant Rhodiola Imbricata	Kad, Anaida ;Pundir, Archit ;Sood, Hemant	Sood, Hemant[Guided by]	2018
22	Screening of Antimicrobial and Antibiofilm Compounds against Acinetobacter Baumannii and Illustration of Quorum Sensing Molecules	Kapoor, Shivangi ;Vashistt, jitendraa	Vashistt, jitendraa[Guided by]	2018
23	Biopackaging Applications of Pine Needles: Microfibrillated Cellulose Isolation and Handmade Papermaking	Kayasth, Vedika ;Srivastava, Rahul	Srivastava, Rahul[Guided by]	2018
24	Polymeric Coated CdSe Quantum Dots	Kumari, Bandana ;Chaudhary, Rimple	Udayabanu, M[Guided by]	2018

		;Udayabanu, M		
25	Recombinant Expression of Genes ZLP and AMDase in E. coli	Kumar, Atul ;Bhardwaj, Vijay Kumar ;Thakur, Anil Kant	Thakur, Anil Kant[Guided by]	2018
26	Fruit Pomace: A new substrate for Polygalacturonase Production through Solid State Fermentation	Maheshwari, Shilpi ;Garlapati, Vijay Kumar	Garlapati, Vijay Kumar[Guided by]	2018
27	Green Synthesis of Silver Nanoparticles using Aqueous Leaf Extract of Ajuga parviflora	Mahajan, Nilaksh ;Chaudhary, Abhishek	Chaudhary, Abhishek[Guided by]	2018
28	Computational Analysis of Membrane Associated Genes of Mycobacterium Fortuitum to Validate as Drug Targets	Mittal, Shubham ;Shrivastava, Rahul;Yennamalli, Ragothaman M	Shrivastava, Rahul[Guided by];Yennamalli, Ragothaman M [Guided by]	2018
29	Random Mutagenesis for Identification of Gene(S) Responsible for Biofilm Formation in Mycobacterium Fortuitum	Pramjeet, Rahul ;Shrivastava, Rahul	Shrivastava, Rahul[Guided by]	2018
30	Transcriptome Analysis and Validation of Sex-specific Differential Expressed Transcripts in Sea Buckthorn	Salaria, Mehul ;Sharma, Tashil ;Kant, Anil	Kant, Anil[Guided by]	2018
31	Synthesis, Characterization and Antibacterial Study of Copper Oxide Nanoparticles	Samriti;Gupta, Akshita ;Bisht, Gopal Singh	Bisht, Gopal Singh[Guided by]	2018
32	Differential Expression Analysis of Genes Encoding for Heat Shock Proteins In Different Morphotypes of	Sameeksha;Shankar, Jata	Shankar, Jata[Guided by]	2018

	Aspergillus flavus			
33	Evaluation of Indigenous Probiotic Lactic Acid Bacteria to Overcome Gluten Induced Celiac Disease	Sharma, Kritika; Bhawanani, Sarita ; Goel, Gunjan	Goel, Gunjan [Guided by]	2018
34	Screening of Hydroalcoholic Leaf Extract of Ajuga Parviflora for Antidiabetic Potential	Sharma, Ankush; Udayabanu, M	Udayabanu, M [Guided by]	2018
35	Fruit Pomace: a new substrate for polygalacturonase production through solid state fermentation	Sharma, Lakshita ; Garlapati, Vijay Kumar	Garlapati, Vijay Kumar [Guided by]	2018
36	Computational Analysis of Expression and Interaction Data to Reveal Role of DNA Mismatch Repair in MSI, HNPCC and CRC	Sharma, Arushi ; Behl, Sadhika ; Singh, Tiratha Raj	Singh, Tiratha Raj [Guided by]	2018
37	To Study the Effect Of Polychromatic Light Emitting Diodes on Micropropagated Shoots of Swertia Chirayita and Picrorhiza Kurroa	Sharma, Rhythem ; Singh, Satyam; Sood, Hemant	Sood, Hemant [Guided by]	2018
38	Extraction of the Enzyme Asparaginase from Mycobacterium smegmatis	Sharma, Apoorv; Ganate, Pallavi ; Bansal, Saurabh	Bansal, Saurabh [Guided by]	2018
39	Synthesis and Characterization of II-VI Group Quantum Dots and Their Antimicrobial Studies	Sharma, Aditi; Soni, Tamanna ; Singh, Ragini Raj	Singh, Ragini Raj [Guided by]	2018
40	Designing of Portable Water Filter and Groundwater Quality Assessment	Srivastava, Sakshi ; Razdan, Kumud ; Kumar, Sudhir; Kumar, Ashish; Gupta, Ashok Kumar	Kumar, Sudhir [Guided by]; Kumar, Ashish [Guided by]; Gupta, Ashok Kumar [Guided by]	2018

41	Screening of Bacterial Isolates for Laccase Enzyme Production and it's Utilization in Bioremediation	Thakur, Kritisha ;Bansal, Saurabh	Bansal, Saurabh[Guided by]	2018
42	Application of Cotylidia Pannosa in Dye Decolourization of Textile Effluents	Wangdi, Kencho ;Goel, Gunjan	Goel, Gunjan [Guided by]	2018

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 19/08/2022  
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 (Dr. Udaya Bhanu)

## B.Tech Project Report 2019

SNo	Title	Author	Author Relator	Year
1	Production of Pectinase by Solid State Fermentation of Apple Pomase	Chauhan, Arshiya ;Thakur, Anil Kant	Thakur, Anil Kant[Guided by]	2019
2	In-Silico Screening of Deleterious SNPs of Gene U2AF1 for their Role in Lung Cancer	Parmar, Shweta ;Singh, Tiratha Raj	Singh, Tiratha Raj[Guided by]	2019
3	Structure Based Substrate Identification of Protein Kinase	Singh, Mandeep ;Singhal, Rashika;Kumar, Narendra ;Kumar, Sudhir	Kumar, Narendra [Guided by];Kumar, Sudhir[Guided by]	2019
4	Machine Learning Based Approach for Functional Annotation of Lytic Polysaccharide Monoxygenases	Srivastava, Pulkit Anupam ;Yennamalli, Ragothaman M	Yennamalli, Ragothaman M [Guided by]	2019
5	T-Cell Immunotherapies Market (4th Edition), 2019-2030	Srivastava, Sanjeevani Ravi ;Ramana, Jayashree;Lahmo, Pemba	Ramana, Jayashree[Guided by];Lahmo, Pemba[Guided by]	2019
6	Computational Analysis of Gene Expression and Pathway Data for Colorectal Cancer	Thakur, Shorya Singh ;Singh, Tiratha Raj	Singh, Tiratha Raj[Guided by]	2019
7	REMAP: a web server for regulatory elements mapping and prediction	Thakur, Hitesh ;Singh, Tiratha Raj	Singh, Tiratha Raj[Guided by]	2019
8	Expression Analysis of Transcriptional Factor 'aflR' during Aspergillus Flavus-maize Kernel Interaction	Akriti;Jata Shankar	Jata Shankar[Guided by]	2019
9	Saccharification of Pine Needle Biomass using Commercial Cellulase	Arunima;Kumar, Ashok	Kumar, Ashok[Guided by]	2019

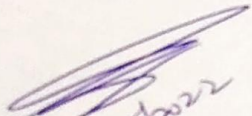
10	Physico-Chemical Studies of Quercetin with Cationic Surfactant CTAB in Hydro-Ethanollic Solvent System	Attri, Himalya ;Sharma, Diksha ;Sharma, Poonam	Sharma, Poonam[Guided by]	2019
11	Preparation of Plant Extract of Euphorbia Prostrata, Its Phytochemical Screening and Evaluation of Antibacterial and Antioxidant Activity	Bhatnagar, Soumya ;Bisht, Gopal Singh	Bisht, Gopal Singh[Guided by]	2019
12	Development of Machine Learning based Prediction Method for Laccases	Chandel, Mritunjay Singh ;Ramana, Jayashree	Ramana, Jayashree[Guided by]	2019
13	Green Synthesis of Silver Nanoparticles using Garlic Extract	Chauhan, Janhvi ;Chaudhary, Abhishek	Chaudhary, Abhishek[Guided by]	2019
14	Isolation and Characterization of Cellulose Degrading Fungal Strains	Chettri, Arushi ;Bansal, Saurabh	Bansal, Saurabh[Guided by]	2019
15	Isolation and Characterization of Probiotic Strain from Traditional Fermented Food	Chowdhury, Anwasha ;Sharma, Vidushi;Garlapati, Vijay Kumar	Garlapati, Vijay Kumar[Guided by]	2019
16	Formulation and characterization of Vancomycin loaded Chitosan- Polyvinyl Alcohol Transdermal Patches	Dhar, Rashika ;Bisht, Gopal Singh	Bisht, Gopal Singh[Guided by]	2019
17	Expression Profile of Genes Encoding for Heat Shock Protein of Aspergillus flavus during Interaction with Maize	Govil, Kunjan ;Jata Shankar	Jata Shankar[Guided by]	2019
18	Greener Synthesis of Silver Nanoparticles using Waste of Onion (Allium cepa) and Quercetin: a	Gulati, Sehaj Singh ;Chaudhary, Abhishek	Chaudhary, Abhishek[Guided by]	2019

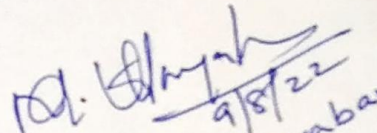


	comparative study			
19	Synergistic Studies of Peptide, Plant Extract against Gram Positive and Gram Negative Bacteria	Gupta, Sakshi ;Bisht, Gopal Singh	Bisht, Gopal Singh[Guided by]	2019
20	Depression Assessment and Adolescence Stress Survey	Jishtu, Kashish ;Prabhu, Pranesh;Udayabanu, M;Srivastava, Saurabh	Udayabanu, M[Guided by];Srivastava, Saurabh[Guided by]	2019
21	Food and Agriculture Waste as an Organic and Inorganic Nutrient Source for the Cultivation of <i>Desmodium Armatum</i>	Kashyap, Anushka ;Taneja, Tanvi;Garlapati, Vijay Kumar	Garlapati, Vijay Kumar[Guided by]	2019
22	Identification of Novel Inhibitors against <i>Helicobacter pylori</i> and <i>Campylobacter jejuni</i>	Kumar, Bhushan ;Bansal, Saurabh	Bansal, Saurabh[Guided by]	2019
23	Optimization of Culture Conditions for Callus and Cell Suspensions of <i>Nothapodytes nimmoniana</i>	Nadir, Rudrashish ;Sood, Hemant	Sood, Hemant[Guided by]	2019
24	Study of Antimicrobial Properties of Himalayan Flora against Pathogenic Bacterial Species	Puri, Sophia ;Srivastava, Rahul	Srivastava, Rahul[Guided by]	2019
25	CYP1A1 variant rs4646093 and Cancer susceptibility in Himachal Population	Saini, Vishakha ;Vardhan, Kirti;Changotra, Harish	Changotra, Harish[Guided by]	2019
26	Study of the Physico-Chemical Properties of Vancomycin Hydrochloride for Applications in the Formulation Development	Saini, Harjas ;Bisht, Gopal Singh	Bisht, Gopal Singh[Guided by]	2019

27	Synthesis and Characterization of Ferrite @ Semiconductor Multifunctional Nanoparticles for Bio-applications	Sethi, Jandeep Singh ;Sahni, Simran;Singh, Ragini Raj;Udayabanu, M	Singh, Ragini Raj[Guided by];Udayabanu, M[Guided by]	2019
28	Development of a Nutraceutical Product as a Supplement during Pregnancy	Sharma, Abha ;Sinha, Shraddha;Udayabanu, M	Udayabanu, M[Guided by]	2019
29	Isolation and Characterization of Phytase Producing Bacteria of Himachal Pradesh Origin	Sharma, Lalit Prakash ;Sharma, Shivam;Bansal, Saurabh	Bansal, Saurabh[Guided by]	2019
30	Extraction of keratin from Waste Biomass for Novel Biomaterial Synthesis	Sharma, Tania ;Pandey, Pratibha;Kumar, Ashok	Kumar, Ashok[Guided by]	2019
31	Effect of Different Growth Hormones and In-vitro Propagation of Stevia rebaudiana and Quantification of Secondary Metabolites	Singh, Anubhavi ;Sood, Hemant	Sood, Hemant[Guided by]	2019
32	FDFT1 Variant rs2645429 and Cancer Susceptibility in Himachal Population	Singh, Siddhant ;Changotra, Harish	Changotra, Harish[Guided by]	2019
33	Evaluation and Comparison of Antioxidant Activity in Diplazium Esculentum and Evaluation of Antioxidant Activity in Rhododendron Arboreum	Sood, Yashaswi ;Gupta, Shubham;Thakur, Anil Kant	Thakur, Anil Kant[Guided by]	2019
34	Expression analysis of Crz1 and Rho-GDP of Aspergillus flavus during Interaction	Srivastava, Swati ;Pradhan, Subhashree;Jata Shankar	Jata Shankar[Guided by]	2019

	with Triticum aestivum			
35	Optimization of Hydroponic System for Propagating and Hardening of In-vitro Grown Medicinal Plants	Thakur, Kritika ;Sood, Hemant	Sood, Hemant[Guided by]	2019
36	RNAi Therapeutics Market (2nd Edition) 2019-2030	Verma, Saesha ;Chaudhary, Gaurav;Gupta, Simriti;Kumar, Sudhir	Chaudhary, Gaurav[Guided by];Gupta, Simriti[Guided by];Kumar, Sudhir[Guided by]	2019

  
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## B.Tech Project Report 2020

SNo	Title	Author	Author Relator	Year
1	Computational Studies to Analyze DNA Methylation Alterations in Alzheimer's Disease	Angra, Disha;Singh, Tiratha Raj	Singh, Tiratha Raj[Guided by]	2020
2	Development of Machine-Learning Based Approaches for the Identification of Expansin Proteins	Mohanty, Piyus;Kumar, Narendra	Kumar, Narendra [Guided by]	2020
3	Business Development – Kratikal Tech. Pvt. Ltd.	Pokhriyal, Medhavi ;Singh, Tiratha Raj	Singh, Tiratha Raj[Guided by]	2020
4	Identification and Analysis of MIRNA's and their Network Level Associations in Alzheimer's disease	Rana, Shivani ;Singh, Tiratha Raj	Singh, Tiratha Raj[Guided by]	2020
5	Gene Expression Analysis for Brain Derived Neurotrophic Factors (BDNF) and Their Role in Alzheimer's Disease	Shree, Saishta;Singh, Tiratha Raj;Srivastava, Saurabh	Singh, Tiratha Raj[Guided by];Srivastava, Saurabh[Guided by]	2020
6	Development of a Machine Learning Base Prediction Tool for Microtubule Associated and Binding Proteins	Agnihotri, Vidushi ;Singh, Tiratha Raj	Singh, Tiratha Raj[Guided by]	2020
7	Study on Carbapenem Resistance Associated Genes Prevalent in India	Agrawal, Shreeya ;Vashishtt, Jitendraa	Vashishtt, Jitendraa[Guided by]	2020
8	Training on Patent Searching	Arora, Shriya;Talwar, Punit	Talwar, Punit[Guided by]	2020

9	Study of Optimization of Keratin from Waste Biomass of Human Hairs: Industrial Importance	Bhattacharjee, Priyanjalee;Sambhavana;Kumar, Ashok	Kumar, Ashok[Guided by]	2020
10	Docking and Simulation Studies to Identify Novel Inhibitors for MAO-B Protein for Alzheimer's Disease	Bhattacharya, Shubhaditya ;Singh, Tiratha Raj	Singh, Tiratha Raj[Guided by]	2020
11	Structural Analysis of Bacterial Carbonic Anhydrases	Chauhan, Himani;Sood, Sayra;Kumar, Narendra	Kumar, Narendra [Guided by]	2020
12	Analysis of Bacterial Carbonic Anhydrase	Chauhan, Yashaswi Singh ;Upadhyay, Sarthak ;Kumar, Narendra	Kumar, Narendra [Guided by]	2020
13	Internship on Patent Searching and Analysis	Dhruvika;Talwar, Punit	Talwar, Punit[Guided by]	2020
14	3D Cell Culture Market (3rd Edition) 2020-2030	Dogra, Abhishek ;Chaudhary, Gaurav;Gaurav, Kanwar	Chaudhary, Gaurav[Guided by];Gaurav, Kanwar[Guided by]	2020
15	Development of Environmental Friendly Approach Towards the Usage of Sanitary Napkin	Ghosh, Shubhangi;Mehta, Saniya;Chaudhaury, Abhishek;Kumar, Sudhir	Chaudhaury, Abhishek[Guided by];Kumar, Sudhir[Guided by]	2020
16	Herbal Plant Extracts of Gentianakurroo and Rauwolfia serpentine Its Implications In-Breast Cancer	Gupta, Prahi;Udayabanu, M;Sood, Hemant	Sood, Hemant[Guided by]	2020
17	Immobilization of Lipase onto Epoxy Resin Based Bioinspired Surface	Hauta, Himadri;Bhinta, Sara;Kumar, Ashok	Kumar, Ashok[Guided by]	2020
18	Advanced Methods of Biochar Synthesis and Its Application	Jaiswal, Ishita;Kumar, Ashok	Kumar, Ashok[Guided by]	2020
19	Effect of Shikonin on Growth of Aspergillus Flavus	Kaur, Jasdeep;Thakur, Bandana;Shankar, Jata	Shankar, Jata[Guided by]	2020

20	Propagation and Hardening of Ornamental Plants Via Hydroponic System	Kaushal, Arush;Bankapur, Soumya;Sood, Hemant	Sood, Hemant[Guided by]	2020
21	Correlation between High Level of Uric Acid and Hypertension	Khimta, Ayushi;Bisht, Gopal Singh	Bisht, Gopal Singh[Guided by]	2020
22	Commercial Development - Sales and Marketing	Koul, Rimгим;Raina, Sakeet	Raina, Sakeet[Guided by]	2020
23	Micro Algal Based Bioremediation of Ciprofloxacin Effluents	Mahajan, Harshita;Sharma, Kritika;Garlapati, Vijay Kumar	Garlapati, Vijay Kumar[Guided by]	2020
24	Efficacy of ds RNA in Late Blight (Phytophthora Infestans) of Tomato	Porwal, Vasudha;Sharma, Aditi;Kant, Anil	Kant, Anil[Guided by]	2020
25	Comparison Between the Activities of Extracts of Allium Sativum (Garlic) and Allium Schenoprasum (Snow Mountain Garlic) Against Bacterial Species	Puri, Aashina;Sehgal, Tanvi;Srivastava, Rahul	Srivastava, Rahul[Guided by]	2020
26	CYP1A1 Variant rs2198843 and Cancer Susceptibility in Himachal Pradesh Population	Rakshita;Veena;Changotra, Harish	Changotra, Harish[Guided by]	2020
27	Bioinformatic Analysis of Quinolone Resistance in Bacteria	Saha, Shristi;Vashisht, Jitendraa		2020
28	Screening of Aspergillus Terreus for Antifungal Drug Susceptibility	Samaddar, Shiuli;Shankar, Jata	Shankar, Jata[Guided by]	2020
29	Assement of Antibacterial Properties of Ecofriendly	Saraswat, Srajit ;Chaudhary, Abhishek	Chaudhary, Abhishek[Guided by]	2020

	Synthesized Zinc Oxide nanoparticles			
30	Comparative Interaction Study of Lipase and Surfactants	Sharma, Palak; Sharma, Poonam	Sharma, Poonam [Guided by]	2020
31	Skin Cancer Database	Sharma, Naman ; Singh, Tiratha Raj	Singh, Tiratha Raj [Guided by]	2020
32	Design and Analysis of Compact UWB Antenna	Sharma, Abhinav; Sugha, Archit; Jaglan, Naveen	Jaglan, Naveen [Guided by]	2020
33	To Determine the Potential of Strychnos Potatorum for Management of Portable Water	Sharma, Lakshay; Udaybanu	Udaybanu [Guided by]	2020
34	Emerging Trends in Data Engineering : amazon web services	Singh, Tanya; Mano, Princy J. ; Selvam, Karthick	Mano, Princy J. [Guided by]; Selvam, Karthick [Guided by]	2020
35	Isolation of Metal Tolerant Microorganisms from Natural Environment and To Analyze Their Metal Bioleaching Capabilities	Singh, Shivangini; Ajrawat, Sunainy; Kumar, Sudhir	Kumar, Sudhir [Guided by]	2020
36	FDFT1 Variant rs2645424 and Cancer Susceptibility in Himachal Pradesh Population	Srivastava, Isha; Changotra, Harish	Changotra, Harish [Guided by]	2020
37	AR / VR Based Healthcare Digital Marketing Service Providers Market, 2020-2030	Thakur, Sunidhi ; Chaudhary, Gaurav; Gupta, Shifali	Chaudhary, Gaurav [Guided by]; Gupta, Shifali [Guided by]	2020
38	Production of Lipase by Aspergillus Sydowii Using Solid State Fermentation	Thakur, Rachit; Sharma, Mansi; Garlapati, Vijay Kumar	Garlapati, Vijay Kumar [Guided by]	2020
39	Production and Partial Purification of Phytase from Novel Bacillus Strain	Tyagi, Arsh; Bansal, Saurabh	Bansal, Saurabh [Guided by]	2020

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## B.Tech Project Report 2021

SNo	Title	Author	Author Relator	Year
1	Analysis of Various Market Research Services With Special Focus on Title Generation Through Use Cases	Chauhan, Aakriti;Singh, Tiratha Raj;Bakare, Shreeja	Singh, Tiratha Raj[Guided by];Bakare, Shreeja[Guided by]	2021
2	Antibody Drug Conjugates- Therapeutics Market (6th Edition), 2020-2030	Gautam, Aakanksha ;Chaudhary, Gaurav;Nanda, Ishita	Chaudhary, Gaurav[Guided by];Nanda, Ishita[Guided by]	2021
3	Identification of Entry Inhibitors for SARS-CoV-2 using Computational Drug Repurposing Approach	Kalla, Maharishi ;Dhiman, Riya ;Kumar, Raj	Kumar, Raj[Guided by]	2021
4	Development of AI Based Application for Early Diagnosis of AD	Kapoor, Muskan;Kapoor, Mehak;Singh, Tiratha Raj	Singh, Tiratha Raj[Guided by]	2021
5	Identification of Potential Inhibitors Against SARS-CoV-2 PL pro	Kaur, Sarvjeet;Thakur, Srishti;Kumar, Raj	Kumar, Raj[Guided by]	2021
6	Computational Studies to Investigate DNA Repair Mechanism and Mutations Involved in Lung Cancer	Mishra, Aagam;Singh, Tiratha Raj	Singh, Tiratha Raj[Guided by]	2021
7	Database on Epigenetics of Alzheimer s Disease	Sharma, Anjali;Singh, Tiratha Raj	Singh, Tiratha Raj[Guided by]	2021
8	Identification of Potential Inhibitors Against N- Protein of Covid-19 and Its Curation in the form of Database	Sharma, Garima;Sharma, Purvanshi;Singh, Tiratha Raj	Singh, Tiratha Raj[Guided by]	2021



9	Protein Metabolite Interaction Network	Sharma, Kritika;Kumar, Garlapati Vijay	Kumar, Garlapati Vijay[Guided by]	2021
10	Implication of ML for Disease Gene Prediction in Lung Cancer	Singh, Garima;Garg, Apurva;Singh, Tiratha Raj	Singh, Tiratha Raj[Guided by]	2021
11	Docking Analysis of Quercetin Gallic acid and Hexanoic acid with seven Domains of Polyketide Synthase A computational approach to Contemplate Quercetin Gallic acid mediated aflatoxin biosynthesis inhibition in Aspergillus flavu A potent carcinogenic Fungus	Thakur, Chhavi;Malhotra, Amanjot Singh;Jata Shankar	Jata Shankar[Guided by]	2021
12	Commercial Development Sales and Marketing	Tiwari, Prerna;Dhawan, Vikesh	Dhawan, Vikesh[Guided by]	2021
13	Analysis of Various Market Research Services With Special Focus on Title Generation Through Use Cases	Arora, Kirti;Sood, Hemant	Sood, Hemant[Guided by]	2021
14	Catalytic Insights Into Conversion of Co <sub>2</sub> into Methanol: a Comprehensive Review	Bhardwaj, Reva;Nadda, Ashok	Nadda, Ashok[Guided by]	2021
15	Meta-analysis of Osteoimmunology: Interactions of the Bone and Immune System	Biswas, Soumitra;Shrivastava, Rahul	Shrivastava, Rahul[Guided by]	2021
16	Green Synthesis of Nanomaterials and Their Applications	Chaturvedi, Shivani;Chaudhary, Abhishek	Chaudhary, Abhishek[Guided by]	2021
17	Fabrication of Hydroponic system for growing Exotic Vegetables	Devashish;Sood, Hemant	Sood, Hemant[Guided by]	2021

18	Virtual Screening of potential therapeutic inhibitors against SARS-COV-2 Main Protease	Gangta, Vaibhav;Kumar, Raj	Kumar, Raj[Guided by]	2021
19	Studies of Different Plants in Himachal Pradesh for Their Therapeutic Usage (Antibacterial Activity)	Garg, Yashkirti ;Vashistt, jitendraa	Vashistt, jitendraa[Guided by]	2021
20	Molecular Docking of Selective Phytochemicals for Acetylcholine Esterase Inhibition	Gupta, Rachita;Rastogi, Manvhi;Udayabanu, M	Udayabanu, M[Guided by]	2021
21	Iron Oxide Nanoparticles: a Review	Jalali, Vitasta;Chaudhary, Abhishek	Chaudhary, Abhishek[Guided by]	2021
22	Mainframe Technology Training in DXC Technology	Jigyasa;Udayabanu, M	Udayabanu, M[Guided by]	2021
23	Exploration and Cataloging of Different Plants From Himalayan Region for Their Therapeutic Activity	Karar, Naveeta;Vashistt, jitendraa	Vashistt, jitendraa[Guided by]	2021
24	Green synthesis and Characterization of Phyto -Metallic Quantum Dots	Kaul, Ananyaa;Thakur, Charu;Kumar, Garlapati Vijay	Kumar, Garlapati Vijay[Guided by]	2021
25	Role of ATG7 gene in Vitiligo	Kawar, Ishita;Choudhary, Ekta;Udayabanu, M	Udayabanu, M[Guided by]	2021
26	Arginase in Bacillus circulans	Korram, Vinay Kumar;Bansal, Saurabh	Bansal, Saurabh[Guided by]	2021
27	Training on Big Data	Paliwal, Diwakar;Udayabanu, M	Udayabanu, M[Guided by]	2021
28	Sales execution and Marketing automation platform	Pandey, Aakanksha;Gangadhar, Leela;Jata Shankar	Gangadhar, Leela[Guided by];Jata Shankar[Guided by]	2021
29	Sustainable Synthesis of Biopolymers From Co2 Using Chemo-biological Approaches	Rana, Divyansh ;Kumar, Ashok	Kumar, Ashok[Guided by]	2021

30	Bioactivity of Anti-cancerous Peptides	Roy, Rishab; Bisht, Gopal Singh	Bisht, Gopal Singh [Guided by]	2021
31	Systems, Applications and Products in Data Processing	Samrat, Ishita; Udayabanu, M	Udayabanu, M [Guided by]	2021
32	Big Data Analysis of Alzheimer's Disease for Early Prediction	Sharma, Nayanika; Shrivastava, Rahul	Shrivastava, Rahul [Guided by]	2021
33	Assessment, Management of Aflatoxins and Impact of Aflatoxin on Human Health	Sharma, Megha; Jata Shankar	Jata Shankar [Guided by]	2021
34	Iron Oxide Nanoparticles: a Review	Singh, Harmeet; Chaudhary, Abhishek	Chaudhary, Abhishek [Guided by]	2021
35	Valorization of Food Waste to Polymers	Singh, Vasudev; Singh, Sugam; Kumar, Garlapati Vijay	Kumar, Garlapati Vijay [Guided by]	2021
36	Studies of the Resistance Patterns of Different Bacterial Pathogens	Tyagi, Ayush; Vashistt, jitendraa	Vashistt, jitendraa [Guided by]	2021
37	A Statistical Model to Predict CO <sub>2</sub> Sequestrating Carbonic Anhydrase for Different Industrial Processes	Verma, Neha; Maheshwari, Umang; Nadda, Ashok	Nadda, Ashok [Guided by]	2021
38	Effect of Homemade Biocompost and Bioenzymes for Growing Exotic Vegetables	Yukti; Maheshwari, Khushi; Sood, Hemant	Sood, Hemant [Guided by]	2021

~~Dr. Udayabanu~~  
Dr. Udayabanu

Dr. Udayabanu  
9/8/22  
(Dr. Udayabanu)

**Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology  
Waknaghat Solan H.P.  
MSc Biotechnology 2020-2021 Dissertation / Project Titles**

S. N.	Roll No.	Name of Student	Dissertation Title	Dissertation Supervisor
1	197801	Rahul Kirmani	Computational studies to design inhibitors for EGFR based Mutations in Non-Small Cell Lung Cancer (NSCLC)	Dr. Tiratha Raj Singh
2	197802	Manoj	A study of mechanism of multi drug resistance in bacterial pathogens	Dr. Rahul Shrivastava
3	197803	Ankush Verma	Optimization of Hardening for Rhodiola imbricate and Valeriana jatamansi	Dr Hemant Sood
4	197804	Utkarsha Srivastava	Computational analysis of Podophyllum species and scientific validation of medicinal and aromatic plants	Dr Hemant Sood
5	197805	Leeza Sharma	Meta-analysis on TNF- $\alpha$ -308 G/A Polymorphism in Genetic Susceptibility to Vitiligo	Dr. Jitendraa Vashistt
6	197806	Anchal Bansal	Recent Trends on Utilisation of Phytochemicals against Mycotoxin producing Aspergillus and Penicillium species	Dr. Jata Shankar
7	197807	Rupali Bhardwaj	BIOCHAR FOR CARBON DIOXIDE CAPTURE AND SEQUESTRATION	Dr. Ashok Kumar Nadda
8	197808	Chinmayee Priyadarsini	Monitoring of Chilika water for faecal contamination using faecal coliform bacteria as an indicator	Dr. Gurdeep Rastogi Dr. Sudhir Kumar
9	197809	Suvanshita	Glucose transportation: Structure and Functional aspects of glucose transporters	Dr. Udayabanu
10	197810	Shefali	Biosimilar and identification of biosimilarity	Dr. Udayabanu
11	197811	Tanvi Kaushal	Application of Biochar for wastewater treatment and recovery of value added products	Dr. Ashok Kumar Nadda
12	197812	Disha Rohal	In silico structural and functional analysis of Bacillus megaterium arginase	Dr. Saurabh Bansal
13	197813	Natasha Panchal	Methane emission estimation from apple pomace	Dr. Sudhir Kumar
14	197814	Neha	Industrial Report at Magbro Healthcare	Dr. Jitendraa Vashistt
15	197815	Shivani Thakur	Preparation of Food Beverages and Products	Dr. Vijay Kumar Garlapati
16	197816	Pallavi	Human Genomics Sequence Compared with Mouse (Mus Musculus), Bonobo (Pan paniscus) and Chimpanzee (Pan troglodyte)	Dr. Udayabanu

17	197817	Manisha Thakur	In silico structural and functional analysis of Bacillus megaterium asparaginase	Dr. Saurabh Bansal
18	197818	Pallavi Parihar		
19	197819	Anamika	Biofilm infection: Mechanism, tolerance and treatment	Dr. Rahul Shrivastava
20	197820	Rishu Kumari	Industrial Training at Magbro Healthcare Pvt. Ltd	Dr. Jata Shankar and Miss Rishpa Sharma
21	197821	Rajeshwari Thakur	Studies of Chemical disinfectants and their role as antimicrobials	Dr. Jitendraa Vashistt
22	197822	Akshay Dhadwal	Cultivation of Agaricus bisporus by using domestic system	Dr Hemant Sood



**Dr Anil Kant**

**Program Coordinator**

**Programme Coordinator**  
**DBT, PG Teaching Programme**  
**Deptt. of Biotechnology and Bioinformatics**  
**Jaypee University of Information Technology**  
**Waknaghat, Solan HP-173215**

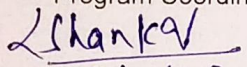


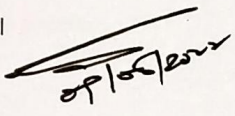
**Head of Department**

**Dr. Sudhir Kumar**  
**Professor & Head**  
**Department of Biotechnology and Bioinformatics**  
**Jaypee University of Information Technology,**  
**Waknaghat, Solan 173234, (H.P.) India**

Sr. No	Reg No	Name of the Student	Project Title M. Tech Biotechnology Year '2021-2022'	Name of the Supervisor
1	202551	Priyanjalee Bhattacharjee	Identification and Quantification of Pomfret allergens	Vijay Kumar Garlapati
2	202552	Sambhavana	Phytochemical Profiling and Quantification of rare Arisaema propinquum	Dr Hemant Sood
3	202553	Sara Bhinta	Enzymatic Hydrolysis of Mustard Oil Towards Bio-jet Fuel Production	Vijay Kumar Garlapati
4	202554	Himadri Hauta	Investigating therapeutic potential of mushroom derivatives for combating COVID-19	Dr Raj Kumar

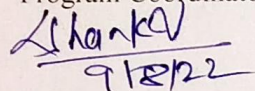
Program Coordinator HOD, BT & BI

  
9/8/22  
Dr Jata Shankar

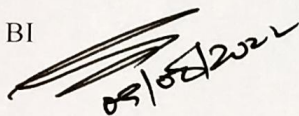
  
Dr. Sudhir Kumar

Sr. No	Reg No	Name of the Student	Project Title M. Tech Biotechnology Year '2020-2021'	Name of the Supervisor
1	161811	Shivangini Singh	Optimization of metal leaching bacteria and to characterize their protein expression/pathways using in silico approach	Dr Sudhir Kumar, Dr Jata Shankar
2	161841	Shreeya Agrawal	Screening of Natural Compounds as Potent Disinfectants	Jitendraa Vashishta
3	161842	Sunainy Ajrawat	In Silico Studies to Identify Commercially and Medicinally Important Phytochemicals of Bauhinia Variegata	Hemant Sood

Program Coordinator HOD, BT & BI

  
9/12/22

Dr Jata Shankar

  
08/12/2022

Dr. Sudhir Kumar

Project Title  
M. Tech  
Biotechnology  
Year '2019-  
2020'

Sr. No

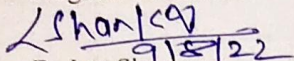
Reg No

Name of the Student

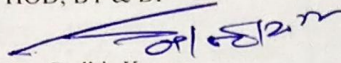
Name of the Supervisor

None

Program Coordinator

  
Dr. Jata Shankar

HOD, BT & BI

  
Dr. Sudhir Kumar



Sr. No	Reg No	Name of the Student	Project Title M. Tech Biotechnology Year '2018-2019'	Name of the Supervisor
1	141833	Sarita Bhawanani	Management of Arteriosclerosis in United States	Kumar, Sudhir, Hanjura, Shivani
2	141843	Shivangi Kapoor	Analysis of Non-Invasive Prenatal Genetic Testing in Europe Market	Kumar, Sudhir, Hanjura, Shivani
3	143801	Kritika Sharma	Study on Degradation Kinetics of Wheat and Barley Proteins by Lactobacillus Paracasei CD4	Saurabh Bansal
4	143802	Kumud Razdan	Comparison of Different Bio-similar for the Treatment of Auto-Immune Disorders in Europe Market	Sudhir Kumar

Program Coordinator HOD, BT & BI

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9/8/22

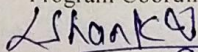
Dr. Jata  
Shanka

Dr. Sudhir  
Kumar

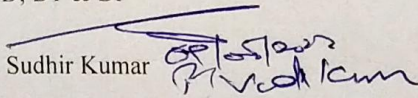
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(Dr. Sudhir Kumar)

Sr. No	Reg No	Name of the Student	Project Title M. Tech Biotechnology Year '2017-2018'	Name of the Supervisor
1	162551	SHIVANI THAKUR	Bioleaching of Gold and Silver from Mobile Phone Printed Circuit Boards (MPPCBS) using <i>Pseudomonas balearica</i> SAE1	Dr. Sudhir Kumar
2	162552	PAYAL GUPTA	Synthesis and Characterization of Quercetin Loaded Polycaprolactone microparticles	Gopal Singh Bisht
3	162553	ARPITA PRASAD	Overexpression of Isocitrate Lyase in <i>Mycobacterium Fortuitum</i> : In- Vitro Studies	Rahul Shrivastava
4	162554	SANCHITA SHARMA	Micropropagation & Molecular Characterization of <i>Picrorhiza kurroa</i> Chemotypes for Picroside-I Production	Dr Hemant Sood
5	162555	ASHISH CHAUHAN	Role of SNP rs510432 of Autophagy Related Gene ATG5 in Asthma	Harish Changotra
6	162556	DEEPAK KASHYAP	Antifungal Drugs Susceptibility Against <i>Aspergillus Terreus</i> And <i>Aspergillus flavus</i>	Dr Jata Shankar
7	131573	Mehul Salaria	Role of methanobactin protein from <i>Methylosinus trichosporium</i> in oxidation of greenhouse gas	Dr Sudhir Kumar and Prof Rajesh Sani
8	133806	Tashil Sharma	Exploration of high Temperature stress responsive genes in potato response to tuberisation using yeast functional screening	Dr Anilkant
9	133807	Natasha Thakur	Cell Therapy Manufacturing Market : 2018 - 2030	Sudhir Kumar
10	133808	Shagun Choudhary	Formulation of symbiotic fermented soyamilk product	Gunjan Goel
11	133811	Manisha Singh	Milk Based Extrusion Method for Microencapsulation of Probiotics	Gunjan Goel
12	133815	Chetansee Khanna	Expression analysis of key genes for medicinal compounds production and biosynthesis in tissue cultures of <i>Rhodiola imbricata</i> ."	Dr Hemant Sood
14	133801	Divya	Construction of Lipu Anti-Sense Knock Out Mutant of <i>Mycobacterium Fortuitum</i> and its In-Silico Analysis to Determine Its Potential Role in Pathogenesis	Rahul Shrivastava
15	131579	Gorky	Bioelectrosynthesis of Biopolymers using Whole Cell Microbial Electrocatalysts at Electrode-Electrolyte Interfaces	Prof Rajesh Sani and Dr Navanietha K Rathinam
16	131564	Anubhav Singh Jamwal	Evaluation of Commercial Probiotics against <i>Cronobacter Sakazakii</i>	Saurabh Bansal
17	131576	Anmol Bansal	Natural Saccharides Mediated Biogenic Synthesis of Noble Metal Nanoparticles and Explore its Application in Biomedical Sciences	Abhishek Chaudhary
18	133813	Sachin Sharma	Role of TYR Gene Variants (rs6482999 & rs7123654 ) in Genetic Susceptibility to Vitiligo in Himachal Pradesh Population	Harish Changotra

Program Coordinator

  
Dr Jata Shankar

HOD, BT & BI

  
Dr. Sudhir Kumar

**Jaypee University of Information Technology**CSE & IT Department Minor Project List, 6th Sem (Jan - June 2021)

Group No.	Proposed Project Title	Name & Roll	Project Supervisor
1	SLA (Smart lens audio)	181348-Shreyansh Rawat,181325-Aditya narayan singh,181347-Mridul Pratap Singh	Dr. Aman Sharma
2	Cancer Detection of Lymph Node Metas	Astitva Shrestha-181404 & Navdeep Singh Hada-181405	Dr. Aman Sharma
3	Emotion Detection Model using AI	Ananya Srivastav-181417, Parth Sharma - 181439	Dr. Aman Sharma
4	Assistive Ball	Mohammad Kounen Khan (181277), Sparsh Mittal(181272)	Dr. Aman Sharma
5	Smart Monitoring and Controlling of Government Policies using social media and Cloud computing.	Aditya Sharma(181395) , Abhay Suri(181389)	Dr. Aman Sharma
6	Braille Keyboard With Voice Output	181488 - GOPESH CHAWLA 181375 - SHREYA DWIVEDI	Dr. Aman Sharma
7	Face Mask Detection using machine learning	181247- Ritik Srivastava, 181253- Akshat agarwal	Dr. Amit Kumar Jakhar
8	Password Based Circuit Breaker	181412 Arpit Garg, 181453 Dikshant	Dr. Amit Kumar Jakhar
9	PAEZY - A payment app	181305 Utsarg Saxena , 181309 Mohit Malhotra	Dr. Amit Kumar Jakhar
10	Design and implementation of E-Carrer consultation system	Puru, 181294	Dr. Amit Kumar Jhakkhar
11	Car price prediction	181420 Chakori 181327 Sanjay Kumar 181340 Jigyasa	Dr. Amit Kumar Jhakkhar
12	Food Order Delivery Website	Abhishek Gupta(181243) Anil Kushwaha(181245)	Dr. Amit Kumar Jhakkhar
13	Credit Card Fraud Detection System	Manik Sayal 181474, Pritish Gujral 181475, Shaurya Pratap Singh 181492	Dr. Amol Vasudeva
14	E-Shopping Website	Akshat Agrawal-181207,Sahil Thakur-181221	Dr. Amol Vasudeva
15	Andriod and Arduino	(181477,Jaspreet Singh);(181462,Avirukh Dahiya);(181355,Abhishek Singh)	Dr. Amol Vasudeva
16	Full Stack web development	181393 -Ankita Sood 2) 181487 - Khushi Agarwal 3) 181427 - Tamanna	Dr. Amol Vasudeva
17	Data Science	181261(Aks Juneja) 181260(Pranchal Abrol)	Dr. Amol Vasudeva
18	Online auction system	181478- Sachin Sharma , 181451- Varun Rangra	Dr. Amol Vasudeva

**Jaypee University of Information Technology**CSE & IT Department Minor Project List, 6th Sem (Jan - June 2021)

<b>Group No.</b>	<b>Proposed Project Title</b>	<b>Name &amp; Roll</b>	<b>Project Supervisor</b>
19	Heart Disease Prediction using Machine Learning	181251 KRITIKA SHELLY ,181254 DIVYA SHARMA	Dr. Ekta Gandotra
20	Queue Management System	Utkarsh Bakshi (181284) , Harsh Garg(181479) , Akhil Sharma(181460)	Dr. Ekta Gandotra
21	MODIFIED ENIGMA MACHINE	PRANAV VERMA - 181333	Dr. Ekta Gandotra
22	based on Security	deepak kumar 181337 , devansh kaushik 181322 , diwakar 181330	Dr. Geetanjali
23	Online Chat Platform	181349 - Pranika Agarwal 181326 - Dev Kumar 181413 - Vidit Jindal	Dr. Geetanjali
24	Sentimental Analysis	Kashish Gupta(181476) Shriya Singh(181455)	Dr. Geetanjali
25	Thyroid Detection Using Machine Learning	Roll-no:- 181248 Name :- ALOK PRATAP SINGH	Dr. Hari Singh
26	Home automation system	Hrishabh 181298	Dr. Hari Singh
27	Minikiosk	Naina Garg - 181424 , Meenakshi Sharma-181419	Dr. Hari Singh
28	Machine Learning, using Apache Spark	181216 - Yash Goyal, 181246 - Saloni Singh	Dr. Hari Singh
29	Web Development using Hadoop Platform	181210 Kanishka Narang, 181213 Aman Rawat	Dr. Hari Singh
30	Spotify Playlist Automation WebApp and Music Player	Shashwat Kapoor-181418; Divyam Goyal-181273	Dr. Hari Singh
31	Web Development	Preetam Kumar Tripathy (181442), Mayank Tomar (181433)	Dr. Hemraj Saini
32	Traffic manipulation using block chain	Anirudh Singh Pal 181406 & Rohit Sharma 181345	Dr. Hemraj Saini
33	Handwritten character recognition using machine learning	181383 , Aditya Shukla	Dr. Hemraj Saini
34	Home Automation system.	(181472) Shubham Minhas, (181384) Raghav Minhas, (181226) Sahil Dhiman	Dr. Hemraj Saini
35	Data Science	181261- Aks Juneja 181260-Pranchal Abrol	Dr. Himanshu Jindal
36	Social Media Sentiments Analysis	181006 - Harsh Mishra 181469 - Harshit Yadav	Dr. Himanshu Jindal
37	Smart Agriculture system	181303 - Satvik garg 181329 - Pradyumn Pundir	Dr. Himanshu Jindal

**Jaypee University of Information Technology**CSE & IT Department Minor Project List, 6th Sem (Jan - June 2021)

Group No.	Proposed Project Title	Name & Roll	Project Supervisor
38	audio-sign language detector	181486 -Vidhita jain 181473- Isha anand	Dr. Himanshu Jindal
39	AI based personal assistant	181201-Akhilesh 181235-Nandan Agarwal 181239-Tarankit Chadha	Dr. Himanshu Jindal
40	Machine Learning model for Health Care	Harshita Sharma 181215, Tushar Gupta 181217, Hiteshwar Singh 181223	Dr. Jagpreet Sidhu
41	Music recommendation app	Muskan Thakur-181208, Shradha Agarwal- 181440	Dr. Jagpreet Sidhu
42	EMOJIFY ( Creating own emoji with deep learning)	Kautilya Sharma(181218); Aryan Datta(181219); Aakarsh Gupta(181232)	Dr. Jagpreet Sidhu
43	IoT based Wearable using ESP8266 to monitor heart rate vitals with Web Application	Amolik Vivian Paul - 181214	Dr. Jagpreet Sidhu
44	Software app on Information regarding Ocean Liners	181205 Ullas Kumar Bherav , 181256 Harshat Chanana , 181240 Shubam Tandon.	Dr. Jagpreet Sidhu
45	Stock Market Data Prediction and Alert System (Web app)	Archit Sharma 181276 Prakhar Pandey 181206	Dr. Jagpreet Sidhu
46	AskAgri (Agriculture consultant using ML and AI)	181249, Shreya Jayant	Dr. Yugal Kumar
47	Speech to text converter	Utkarsh Pandit, 181432	Dr. Kapil Sharma
48	Backend and Database Server for a Product Warehouse	Ritik Bhardwaj(181262) - Utkarsh Jaiswal(181346) - Nitin(181275)	Dr. Kapil Sharma
49	Metasploit framework	Roll no- 181366 Name - Yash Sharma	Dr. Mrityunjay Singh
50	Student registration system	181401 sukhpreet singh	Dr. Mrityunjay Singh
51	Thyroid detection using ML	Ishan thakur (181302) , Anirudh singh gangwar(181293), Vishal(181313)	Dr. Mrityunjay Singh
52	entry exit management tracker application	181385 vishnu kumar and 181379 ayush bari	Dr. Mrityunjay Singh
53	REAL TIME SPEECH DRIVEN FACE ANIMATION	181236- Vikal Choudhary, 181258- Nishkarsh Sharma, 181483- Harshit Sharma	Dr. Mrityunjay Singh

**Jaypee University of Information Technology**CSE & IT Department Minor Project List, 6th Sem (Jan - June 2021)

Group No.	Proposed Project Title	Name & Roll	Project Supervisor
54	Website for competitive programming and queries for college student	181400 Akshay Kumar,181387Ankit Sharma,181382Vikrant Singh jaryal	Dr. Mrityunjay Singh
55	Developing a Hashtag Analyzer tool to detect and predict the trends in Social Media	181402 - Perla Venkata Naga Sai Ganesh, 181282 - Advait Agnihotri	Dr. Pradeep Kumar Gupta
56	Application of Graph Neural Network	181297 Yadunandan Sood, 181300 Chirayushya M Singh and 181316 Shubham Chauhan	Dr. Pradeep Kumar Gupta
57	Weather app	181350 Lakshya Tyagi ; 181376 Kushagra	Dr. Pradeep Kumar Gupta
58	Accident Detector	181283 Poorvansh Gupta, 181352 Tanmay Kumar, 181363 Anurag Kanaujia,	Dr. Pradeep Kumar Gupta
59	Image Regeneration for old damaged reel picture	181209-Apurva Dubey, 181228-Rashi Singh, 181308-Apoorv Vats	Dr. Pradeep Kumar Gupta
60	STOCK MARKET PREDICTOR (ANDROID APP DEVELOPMENT)	ANKUR RANA (181267) Abhishek semwaal (181288) Harsh singhal(181318)	Dr. Pradeep Kumar Khokhar
61/62	Website Development	181230 Sunny Mittal	Dr. Pradeep Kumar Khokhar
63	Automated Calories calculation using str	181357 - Kunal Kansal; 181372 - Rudresh Sharma	Dr. Rajendar Sandhu
64	Breast Cancer Recognition/Sign Language Recognition	Purav Vashisht (181287), Kamal Singh (181264), Prabhat Rana (18423)	Dr. Rajinder Sandhu
65	Secure Online Auction System	181319, PRANAV DABRA and 181301, Shubham Mehta	Dr. Rajinder Sandhu
66	application for automated Data Cleaning	181331 - Aryan Gupta, 181336 - Esha Pandey	Dr. Rajinder Sandhu
67	Data Extraction of fitness band and Anal	181367 - ANANT MISHRA , 181429 - RAJAT GUPTA	Dr. Rajinder Sandhu
68	JUIT student portal	Suryansh Saraswat(181397) Vaibhav Thakur(18168)	Dr. Rajni Mohana
69	Sentiment Analysis	181468- Tanvi Tiwari ; 181425- Vardhan Chambial	Dr. Rajni Mohana
70	Customer experience enhancing for retail website( Data Analysis )	181411- Arpit Thakur; 181428- Shivansh Thakur	Dr. Rajni Mohana
71	Smartphone Messaging Application	181234(Priyanshu Sharma) & 181250(Akshit Jain)	Dr. Rajni Mohana

**Jaypee University of Information Technology**CSE & IT Department Minor Project List, 6th Sem (Jan - June 2021)

Group No.	Proposed Project Title	Name & Roll	Project Supervisor
72	cloud based attendance system.	181343 - saurabh shukla , 181312 - ishaan verma.	Dr. Rajni Mohana
73	Discord Bot	181426 - Harshit Gautam , 181422 - Abhishek Yadav	Dr. Rakesh Kanji
74	Machine learning and deep learning based project for colorizing and restoring old images and videos	181458(Vinay Kumar), 181263(Akhil Makkar)	Dr. Rakesh kanji
75	Name entity recognition	181285(Aanchal Thakur) 181289(Kartik Bohra) 181278(Anurag)	Dr. Rakesh Kanji
76	Smart Alarm Clock	Aakash & Aashish Chauhan	Dr. Rakesh Kanji
77	A Mobile Application for carpooling	181266- Divyanshu Tewary,181268- Nitin Thakur	Dr. Ravindara Bhatt
78	Detection of Banking and Credit frauds in credit payments	Charvi Sharda(181399), Parul Damalu (181454)	Dr. Ravindara Bhatt
79	Application of machine learning in network security	Kavya Nagpal(181269), Shreya Chaudhary(181279), Ishika(181328)	Dr. Ravindara Bhatt
80	Building a costumer prediction model for insurance	Vardhan agarwal(181255) Kartik Ahluwalia(181299)	Dr. Ravindara Bhatt
81	Emotion Detection Using Machine Learning	181202 Ankush Kashyap, 181220 Prajwal Sharma, 181290 Kartik Gupta	Dr. Ruchi Verma
82	Complex Data Analysis of a large data set using Data Visualization and Machine Learning Algorithms	181227 - AYUSH SHUKLA   181394 - RANA VIJAY SINGH	Dr. Ruchi Verma
83	Recommendation system using machine learning techniques	181392 Vishrut Sharma 181466 Arpit Mehta 181203 Prikshit Thakur	Dr. Ruchi Verma
84	Detection of Covid-19 using chest X-rays	Rishabh Sharma(181280), Aniket Katoch(181271)	Dr. Ruchi Verma
85	Travelling Blog	181354 - Parth Bali, 181410 - Anshul Trivedi	Dr. Ruchi Verma
86	Surface Crack detection	181391 - Ojaswi Awasthi 181388-Mohak Goel 181485- Saksham	Dr. Ruchi Verma
87	Air Pollution Lidar Signals Classification Based on Machine Learning Methods	181257 Honey Gupta ; 181314 Jyoti Sarpal	Dr. Vivek Sehgal

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89	Time-efficient offloading for machine learning tasks between embedded systems and fog nodes	(181353 -VARUN SINGH) (181370 - ARPIT G. MISHRA)	Dr. Vivek Sehgal
90	Representation Learning on Social Internet of Things	181242 - Astha Kapil and 181459 - Ishita Kapoor	Dr. Vivek Sehgal
91	Data analysis , prediction and visualization of large data set on earthquakes and implementing machine learning algorithms.	181231- bhawna dey    181233- parthh dikshit	Dr. Vivek Sehgal
92	All Wheel drive Autonomous car	{Nikhil Naresh,181430} {Miguel Kundal ,181204 } {Ayush Soni ,181224}	Dr. Yugal Kumar
93	Fake News Detector using Natural Language Processing	Garima Singh- 181229, Palak Rustagi- 181212	Dr. Yugal Kumar
94	Info Hub	181414 - Kajal Singal, 181252-Nandini Ahuja	Dr. Yugal Kumar
95	Home Automation System	181421 SAHIL SHARMA 181361 KETAN MITTAL	Dr. Yugal Kumar
96	sentiment analysis	member 1- kritika lodha, 181398 ----- member 2- sanya kanwar, 181465	Dr. Yugal Kumar
97	ANDROID BASED ATTENDANCE SYSTEM	181237 Sudhanshu Shridhar	Mr. Arvind Kumar
98/99	Online IDE	Karan Sharma - 181317, Minakshi Sharma - 181306	Mr. Arvind Kumar
100	Driver Drowsiness	181315(Akriti Soni), 181484(Harshita Sharma)	Mr. Prateek Thakral
101	Hand Sanitizer Dispenser	(181461) Arushi and (181470) Jatin Garg	Mr. Prateek Thakral
102	Indian Stock Market Simulator	Shubham Sharma(181434) ,Apoorav Chaudhary(181371)	Mr. Prateek Thakral
103	Automatic Registration Number Plate Recognition and Detection System	Tanisha Ranta(181342) , Angima Anthwal(181464), Stuti Gupta (181467)	Mr. Prateek Thakral
104	Driver Drowsiness Detection System	181320 - Anmol Srivastava, 181339 - Vinayak Katoch	Mr. Prateek Thakral



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106	Python GUI application for data compression	Shivang Mishra (181369) and Ritwik Tripathi (181436)	Mr. Praveen Modi
107	Data Science or Machine Learning based	Prateek Sharma(181482), Gurpreet Singh(181009)	Mr. Praveen Modi
108	DS Minor Project	Gauri Mittal- 181304, Harshit Kumar- 181310	Mr. Praveen Modi
109	TagZIP	181437 - Rishab Sharma, 181438 - Siraj Sharma	Mr. Rizwan Ur Rehman
110	Smart Glasses	181358 Ameesha varma, 181359 Vatsal agrawal	Mr. Rizwan Ur Rehman
111	Smart Home Security Systems using IOT	Shazan Ahmed (181259)	Mr. Rizwan Ur Rehman
112	SMART BILLING CART	ISHAAN KOTWAL (181386) DEEPTI AGGARWAL (181378)	Mr. Rizwan Ur Rehman
113	Face Recognition based Attendance Management System	181351- Pankil Pathania 181456- Vasbi Sharma 181373- Chinmay Chatterji	Mr. Surjeet Singh
114	Mechanical Robot (Obstacle avoiding robot)	Chandan Dhiman(181344), Shivek Gupta(181323), Pradyuman Sharma(181335)	Mr. Surjeet Singh
115	Handwritten Char/Text Recognition system	Harshit Kumar Gupta (181334) , Aman Choubey (181338)	Mr. Surjeet Singh
116	Gender Detection and Age Prediction System	(181332) ROHAN SAINI, (181296) SHAGUN	Mr. Surjeet Singh
117	Audio Manager	181286, Anubhav Singh Thapa	Mr. Praveen Modi
118	Data Analysis	Tejaswee Tewari - 181362	Dr. Kapil Sharma
120	Reflex-Test	171256, Parvesh Sharma	Dr. Kapil Sharma
121	Food Ordering Android Application	161226, Prikshit Dogra	Dr. Ravindara Bhatt

**Jaypee University of Information Technology**CSE & IT Department Minor Project List, 6th Sem (Jan - June 2021)

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1	SLA (Smart lens audio)	181348-Shreyansh Rawat,181325-Aditya narayan singh,181347-Mridul Pratap Singh	Dr. Aman Sharma
2	Cancer Detection of Lymph Node Metas	Astitva Shrestha-181404 & Navdeep Singh Hada-181405	Dr. Aman Sharma
3	Emotion Detection Model using AI	Ananya Srivastav-181417, Parth Sharma - 181439	Dr. Aman Sharma
4	Assistive Ball	Mohammad Kounen Khan (181277), Sparsh Mittal(181272)	Dr. Aman Sharma
5	Smart Monitoring and Controlling of Government Policies using social media and Cloud computing.	Aditya Sharma(181395) , Abhay Suri(181389)	Dr. Aman Sharma
6	Braille Keyboard With Voice Output	181488 - GOPESH CHAWLA 181375 - SHREYA DWIVEDI	Dr. Aman Sharma
7	Face Mask Detection using machine learning	181247- Ritik Srivastava, 181253- Akshat agarwal	Dr. Amit Kumar Jakhar
8	Password Based Circuit Breaker	181412 Arpit Garg, 181453 Dikshant	Dr. Amit Kumar Jakhar
9	PAEZY - A payment app	181305 Utsarg Saxena , 181309 Mohit Malhotra	Dr. Amit Kumar Jakhar
10	Design and implementation of E-Carrer consultation system	Puru, 181294	Dr. Amit Kumar Jhakkhar
11	Car price prediction	181420 Chakori 181327 Sanjay Kumar 181340 Jigyasa	Dr. Amit Kumar Jhakkhar
12	Food Order Delivery Website	Abhishek Gupta(181243) Anil Kushwaha(181245)	Dr. Amit Kumar Jhakkhar
13	Credit Card Fraud Detection System	Manik Sayal 181474, Pritish Gujral 181475, Shaurya Pratap Singh 181492	Dr. Amol Vasudeva
14	E-Shopping Website	Akshat Agrawal-181207,Sahil Thakur-181221	Dr. Amol Vasudeva
15	Andriod and Arduino	(181477,Jaspreet Singh);(181462,Avirukh Dahiya);(181355,Abhishek Singh)	Dr. Amol Vasudeva
16	Full Stack web development	181393 -Ankita Sood 2) 181487 - Khushi Agarwal 3) 181427 - Tamanna	Dr. Amol Vasudeva
17	Data Science	181261(Aks Juneja) 181260(Pranchal Abrol)	Dr. Amol Vasudeva
18	Online auction system	181478- Sachin Sharma , 181451- Varun Rangra	Dr. Amol Vasudeva

**Jaypee University of Information Technology**CSE & IT Department Minor Project List, 6th Sem (Jan - June 2021)

Group No.	Proposed Project Title	Name & Roll	Project Supervisor
19	Heart Disease Prediction using Machine Learning	181251 KRITIKA SHELLY ,181254 DIVYA SHARMA	Dr. Ekta Gandotra
20	Queue Management System	Utkarsh Bakshi (181284) , Harsh Garg(181479) , Akhil Sharma(181460)	Dr. Ekta Gandotra
21	MODIFIED ENIGMA MACHINE	PRANAV VERMA - 181333	Dr. Ekta Gandotra
22	based on Security	deepak kumar 181337 , devansh kaushik 181322 , diwakar 181330	Dr. Geetanjali
23	Online Chat Platform	181349 - Pranika Agarwal 181326 - Dev Kumar 181413 - Vidit Jindal	Dr. Geetanjali
24	Sentimental Analysis	Kashish Gupta(181476) Shriya Singh(181455)	Dr. Geetanjali
25	Thyroid Detection Using Machine Learning	Roll-no:- 181248 Name :- ALOK PRATAP SINGH	Dr. Hari Singh
26	Home automation system	Hrishabh 181298	Dr. Hari Singh
27	Minikiosk	Naina Garg - 181424 , Meenakshi Sharma-181419	Dr. Hari Singh
28	Machine Learning, using Apache Spark	181216 - Yash Goyal, 181246 - Saloni Singh	Dr. Hari Singh
29	Web Development using Hadoop Platform	181210 Kanishka Narang, 181213 Aman Rawat	Dr. Hari Singh
30	Spotify Playlist Automation WebApp and Music Player	Shashwat Kapoor-181418; Divyam Goyal-181273	Dr. Hari Singh
31	Web Development	Preetam Kumar Tripathy (181442), Mayank Tomar (181433)	Dr. Hemraj Saini
32	Traffic manipulation using block chain	Anirudh Singh Pal 181406 & Rohit Sharma 181345	Dr. Hemraj Saini
33	Handwritten character recognition using machine learning	181383 , Aditya Shukla	Dr. Hemraj Saini
34	Home Automation system.	(181472) Shubham Minhas, (181384) Raghav Minhas, (181226) Sahil Dhiman	Dr. Hemraj Saini
35	Data Science	181261- Aks Juneja 181260-Pranchal Abrol	Dr. Himanshu Jindal
36	Social Media Sentiments Analysis	181006 - Harsh Mishra 181469 - Harshit Yadav	Dr. Himanshu Jindal
37	Smart Agriculture system	181303 - Satvik garg 181329 - Pradyumn Pundir	Dr. Himanshu Jindal

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38	audio-sign language detector	181486 -Vidhita jain 181473- Isha anand	Dr. Himanshu Jindal
39	AI based personal assistant	181201-Akhilesh 181235-Nandan Agarwal 181239-Tarankit Chadha	Dr. Himanshu Jindal
40	Machine Learning model for Health Care	Harshita Sharma 181215, Tushar Gupta 181217, Hiteshwar Singh 181223	Dr. Jagpreet Sidhu
41	Music recommendation app	Muskan Thakur-181208, Shradha Agarwal- 181440	Dr. Jagpreet Sidhu
42	EMOJIFY ( Creating own emoji with deep learning)	Kautilya Sharma(181218); Aryan Datta(181219); Aakarsh Gupta(181232)	Dr. Jagpreet Sidhu
43	IoT based Wearable using ESP8266 to monitor heart rate vitals with Web Application	Amolik Vivian Paul - 181214	Dr. Jagpreet Sidhu
44	Software app on Information regarding Ocean Liners	181205 Ullas Kumar Bherav , 181256 Harshat Chanana , 181240 Shubam Tandon.	Dr. Jagpreet Sidhu
45	Stock Market Data Prediction and Alert System (Web app)	Archit Sharma 181276 Prakhar Pandey 181206	Dr. Jagpreet Sidhu
46	AskAgri (Agriculture consultant using ML and AI)	181249, Shreya Jayant	Dr. Yugal Kumar
47	Speech to text converter	Utkarsh Pandit, 181432	Dr. Kapil Sharma
48	Backend and Database Server for a Product Warehouse	Ritik Bhardwaj(181262) - Utkarsh Jaiswal(181346) - Nitin(181275)	Dr. Kapil Sharma
49	Metasploit framework	Roll no- 181366 Name - Yash Sharma	Dr. Mrityunjay Singh
50	Student registration system	181401 sukhpreet singh	Dr. Mrityunjay Singh
51	Thyroid detection using ML	Ishan thakur (181302) , Anirudh singh gangwar(181293), Vishal(181313)	Dr. Mrityunjay Singh
52	entry exit management tracker application	181385 vishnu kumar and 181379 ayush bari	Dr. Mrityunjay Singh
53	REAL TIME SPEECH DRIVEN FACE ANIMATION	181236- Vikal Choudhary, 181258- Nishkarsh Sharma, 181483- Harshit Sharma	Dr. Mrityunjay Singh

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54	Website for competitive programming and queries for college student	181400 Akshay Kumar,181387Ankit Sharma,181382Vikrant Singh jaryal	Dr. Mrityunjay Singh
55	Developing a Hashtag Analyzer tool to detect and predict the trends in Social Media	181402 - Perla Venkata Naga Sai Ganesh, 181282 - Advait Agnihotri	Dr. Pradeep Kumar Gupta
56	Application of Graph Neural Network	181297 Yadunandan Sood, 181300 Chirayushya M Singh and 181316 Shubham Chauhan	Dr. Pradeep Kumar Gupta
57	Weather app	181350 Lakshya Tyagi ; 181376 Kushagra	Dr. Pradeep Kumar Gupta
58	Accident Detector	181283 Poorvansh Gupta, 181352 Tanmay Kumar, 181363 Anurag Kanaujia,	Dr. Pradeep Kumar Gupta
59	Image Regeneration for old damaged reel picture	181209-Apurva Dubey, 181228-Rashi Singh, 181308-Apoorv Vats	Dr. Pradeep Kumar Gupta
60	STOCK MARKET PREDICTOR (ANDROID APP DEVELOPMENT)	ANKUR RANA (181267) Abhishek semwaal (181288) Harsh singhal(181318)	Dr. Pradeep Kumar Khokhar
61/62	Website Development	181230 Sunny Mittal	Dr. Pradeep Kumar Khokhar
63	Automated Calories calculation using str	181357 - Kunal Kansal; 181372 - Rudresh Sharma	Dr. Rajendar Sandhu
64	Breast Cancer Recognition/Sign Language Recognition	Purav Vashisht (181287), Kamal Singh (181264), Prabhat Rana (18423)	Dr. Rajinder Sandhu
65	Secure Online Auction System	181319, PRANAV DABRA and 181301, Shubham Mehta	Dr. Rajinder Sandhu
66	application for automated Data Cleaning	181331 - Aryan Gupta, 181336 - Esha Pandey	Dr. Rajinder Sandhu
67	Data Extraction of fitness band and Anal	181367 - ANANT MISHRA , 181429 - RAJAT GUPTA	Dr. Rajinder Sandhu
68	JUIT student portal	Suryansh Saraswat(181397) Vaibhav Thakur(18168)	Dr. Rajni Mohana
69	Sentiment Analysis	181468- Tanvi Tiwari ; 181425- Vardhan Chambial	Dr. Rajni Mohana
70	Customer experience enhancing for retail website( Data Analysis )	181411- Arpit Thakur; 181428- Shivansh Thakur	Dr. Rajni Mohana
71	Smartphone Messaging Application	181234(Priyanshu Sharma) & 181250(Akshit Jain)	Dr. Rajni Mohana

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72	cloud based attendance system.	181343 - saurabh shukla , 181312 - ishaan verma.	Dr. Rajni Mohana
73	Discord Bot	181426 - Harshit Gautam , 181422 - Abhishek Yadav	Dr. Rakesh Kanji
74	Machine learning and deep learning based project for colorizing and restoring old images and videos	181458(Vinay Kumar), 181263(Akhil Makkar)	Dr. Rakesh kanji
75	Name entity recognition	181285(Aanchal Thakur) 181289(Kartik Bohra) 181278(Anurag)	Dr. Rakesh Kanji
76	Smart Alarm Clock	Aakash & Aashish Chauhan	Dr. Rakesh Kanji
77	A Mobile Application for carpooling	181266- Divyanshu Tewary,181268- Nitin Thakur	Dr. Ravindara Bhatt
78	Detection of Banking and Credit frauds in credit payments	Charvi Sharda(181399), Parul Damalu (181454)	Dr. Ravindara Bhatt
79	Application of machine learning in network security	Kavya Nagpal(181269), Shreya Chaudhary(181279), Ishika(181328)	Dr. Ravindara Bhatt
80	Building a costumer prediction model for insurance	Vardhan agarwal(181255) Kartik Ahluwalia(181299)	Dr. Ravindara Bhatt
81	Emotion Detection Using Machine Learning	181202 Ankush Kashyap, 181220 Prajwal Sharma, 181290 Kartik Gupta	Dr. Ruchi Verma
82	Complex Data Analysis of a large data set using Data Visualization and Machine Learning Algorithms	181227 - AYUSH SHUKLA   181394 - RANA VIJAY SINGH	Dr. Ruchi Verma
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