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DEPARTMENT OF STUDENTS' DEVELOPMENT

14th Inter-Collegiate/Institute/Department Avishkar Research Convention: 2019-20
(Selection Round)

Details of Research Projects Selected for 14th Inter-Collegiate/Institute/Department Avishkar Research Convention: 2019-20 (Final Round)

Name of the Zone: **All Engineering Colleges of all Districts**

Sr. No.	Category	Level	Title of the Research Project	Name of the College	Name of the Participant/s	Class and Roll No. of the Participant/s
1	Commerce, Management and Law	UG	Three Step Security Provider Application (SPA)	Bharati Vidyapeeth College of Engineering, Kharghar	Padhye Pritam Santosh	B.E/4238
					Walde Abhinav Pramod	B.E/4270
					Varade Shruti Shailendra	B.E/4267
2	Commerce, Management and Law	UG	A Hybrid Street Lamp-An Innovative Solution for Management of Environmental Issues and Social Laws	Pillais Hoc College of Engineering and Technology, Rasayani	Dhobale Chirag	BE CIVIL /9
					Patil Akshay Kumar	BE MECH /17
					Nautiyal Adarsh S	BE EXTC/16
					Pashte Sanskruti	BE CIVIL /42
3	Commerce, Management and Law	UG	Design of a HVAC system for an entire 5-star Hotel.	Saraswati College of Engineering, Kharghar	Ram Deepakkumar Shriniwas	BE-MECH/35
					Shaikh Sadhaquat Nasearuddin	BE-MECH/43
					Patil Sayali Machindra	BE-MCH/20
					Narkhede Bhagyashri Kishor	BE-MECH/6

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4	Pure Sciences	UG	Vacuum Bio-Toilets	Vishwaniketan Institute of Management Enterpreneurship and Engineering Technology, Kumbhivali, Khalapur	Dhembre Prathmesh Appasaheb	TE/23
					Chaudhary Shefali Hemant	TE/06
5	Agriculture and Animal Husbandry	UG	Vegetable Price Prediction using Machine Learning	Gharda Institute of Technology, Lavel, Khed	Shukla Gaurav kumar Sarvendra	BE COMPUTE/43
					Mahajan Omkar Sanjay	BE COMPUTE/25
					Shirke Parth Pravin	BE COMPUTE/43
6	Agriculture and Animal Husbandry	UG	Effect of mix ratios and sizes of palm kernel shells on asphalt concrete.	Saraswati College of Engineering, Kharghar	Shelar Vishal Ganesh	BE/60
					Gharat Rahul Kamalakar	BE/17
					Gondhali Rohit Ramesh	BE/20
					Dhirde Mayur Maruti	BE/13
7	Agriculture and Animal Husbandry	UG	Sensor analytics based climate resilient agriculture platform	Vidyavardhini College of Engineering and Technology, Vasai	poojary Karan A.	B.E.INSTRU/07
					Panchal Deep A	B.E.INSTRU/02
					Shetty Pratyush A	B.E. INSTR/33
					Powale Madhurima U.	B.E.INSTRU/37

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8	Agriculture and Animal Husbandry	UG	SMART POULTRY FARM	Vishwaniketan Institute of Management Enterpreneurship and Engineering Technology, Kumbhivali, Khalapur	Chaudhary Himanshu Pralhad	TE/12
					Bagul Harshal Eknath	TE/03
					Mali Niraj Jijabrao	TE/51
					Waghe Tanmay Anil	TE/45
9	Engineering and Technology	UG	Detection of Insect Breeding Zones and Spraying Insecticides using Drone	Bharati Vidyapeeth College of Engineering, Kharghar	Mhatre Shubham Suresh	BEET/54
					Damle Ketan Sameer	BEET/17
					Mishra Rupesh Kamalkant	BEET/56
					Gurao Krutika Kishor	BEET/28
10	Engineering and Technology	UG	Generation of brain model from MRI scan data to assist in brain surgery	Don Bosco Institute Of Technology, Kurla	Kulkarni Neeraj Nithin	BE/27
					Kashyap Arunkumar Prakashchandra	BE/22
					Patil Siddhi Avinash	BE /39
11	Engineering and Technology	UG	Fabrication and In-vitro testing of Biosynthetic skin for burn wounds	Dwarkadas J. Sanghvi College of Engineering, Vile Parle	Deshmukh Madhura Venkatesh	B.E./6001316000
					Teli Dhwani Rajesh	B.E./6001316002
					Vichare Prashali Santosh	B.E./6001316002

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12	Engineering and Technology	UG	Hydrogen Generation through Water Splitting Reaction Utilizing the Waste Aluminum	Gharda Institute of Technology, Lavel, Khed	Kalekar Sunny Ekanath	BE CHEMICA/28
					Jadhav Gaurav Ramesh	BE CHEMICA/24
13	Engineering and Technology	UG	A NOVEL ALTERNATIVE FOR THE ARRANGEMENT OF SHEAR REQUIREMENT IN FLAT SLAB	M.H. Saboo Siddik College of Engineering, Byculla	Quraishi Maaz Aslam	CIVIL ENGI/2218070
14	Engineering and Technology	UG	Installation and testing of electronic module for increasing power and reducing emission with use of motorcycle chassis dynamometer	Pillais Hoc College of Engineering and Technology, Rasayani	Wable Shubham Kantilal	BE AUTO/57
					Bhaleghare Ganesh Madhukar	BE AUTO/1
					Naik Nishant Nitin	BE AUTO/35
					Talla Dishnak Anil	BE AUTO/54
15	Engineering and Technology	UG	Design of Solid Waste Management Plant	Rajendra Mane College of Engineering and Technology, Ambav, Devrukh	Dongare Shreyas Santosh	B.E MECHAN/18
					Anerao Suyog Kashinath	B.E MECHAN/03
16	Engineering and Technology	UG	Investigation of suitability of tool profile for enhanced tensile strength of the weld in case of friction stir welding of Thermoplastics	Rajiv Gandhi Institute of Technology, Andheri	Masurkar Ishan Mahesh	BE MECHANI/717
					Jadhav Varun Rajendra	BE MECHANI/766
					Jagtap Rutuj Rajendra	BE MECHANI/767

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17	Engineering and Technology	UG	Defense mechanism using Image processing	Ramrao Adik Institute of Technology, Nerul	Jadhav Jagrut Jaideep	BE/16EE1007
					Chandak Rahul Satish	BE/16EE1043
					Mohitosh Chaudhari Jagdish	BE/16EE1011
					Bondre Snehal Suresh	B.E./16EE1065
18	Engineering and Technology	UG	Intrusion Tackling System	Ramrao Adik Institute of Technology, Nerul	Vora Jaykumar Hasmukhbhai	BE/15IN1107
					Phulpagar Hemant Dropad	BE/14IN1019
					Patil Sahil Naresh	B.E./15IN1065
					Barman Indranil anil	BE/14IN1097
19	Engineering and Technology	UG	Violence Detection using Embedded GPU	Ramrao Adik Institute of Technology, Nerul	Tharali Sagar Ravikant	BE/16EE1019
					Wakchaure Gaurav Sudhakar	BE/16EE1004
					Shirsat Durvesh Suryakant	BE/16EE1005
20	Engineering and Technology	UG	Cloth Bag Vending Machine	Saraswati College of Engineering, Kharghar	Ardalkar Gajanan maruti	BE/03
					Gowda Ramkrishna Devraj	BE/29
					Gupta Sandhya ramesh	BE/30
					Jain Ruchi pravin	BE/34

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21	Engineering and Technology	UG	Application of evaporation cooling to improve the productivity in soilless farming with zero fertilizer	Saraswati College of Engineering, Kharghar	Kekatpure Vishrut Pradeep	BE-MECH/55
					Kulkarni Abhishek Uday	BE-MECH/34
					Shimpi Ketan Rajendra	BE-MCH/64
					Mahadik Prajakta Satish	BE-MECH/36
22	Engineering and Technology	UG	Fabrication and Testing of Tiles Made from Plastic Waste	Saraswati College of Engineering, Kharghar	acharekar Harsh vilas	BE/1
					dalvi Hemant krishna	BE/12
					chougule Neha prakash	BE/11
					chavan Krushnali limchand	BE/9
23	Engineering and Technology	UG	IOT based Parcel Drop Box System	Shah and Anchor Kutchhi Engineering College, Chembur	Kadam Rohan Sunil	BE/47
					Jain Kavish Dilip	BE/25
					Lokare Kiran Krishna	BE/28
					Shinde Krushnakant Sharad	BE/46
24	Engineering and Technology	UG	Automated Solar-Powered Surveillance Rover using Recycled Lithium Cells	Shivajirao S. Jondhale College of Engineering, Dombivli	Bonde Riddhesh Jeevan	BE/8
					Rathi Manmohan Surendra	TE/29

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25	Engineering and Technology	UG	Solar Powered Atmospheric Water Generator	SIES Graduate School of Technology, Nerul	Krishnamoorthy Venkatraman .	BE MECHANI/116A6060
					Suvarna Prajwal Bhaskar	BE MECHANI/116A6057
					Poojary Deekshit Doddanna	BE MECHANI/116A6040
					Radhakrishnan Vaisakh .	BE MECHANI/116A6059
26	Engineering and Technology	UG	CleanSweep – The cleaning bot	SIES Graduate School of Technology, Nerul	Marathervar Rahul Ganesh paneer selvam	THIRD YEAR/117A3026
					Pawar Avantika Anand	THIRD YEAR/117A3038
					Kannan Nithya .	THIRD YEAR/117A3035
27	Engineering and Technology	UG	Suspect face generation using GAN	St. Francis Institute of Technology, Borivali	Jalan Harsh Jaykumar	B E CMPN/60
					Dsouza Sunny Prashant	BE CMPN/59
					Maurya Gautam Virendra	BE CMPN/67
					Corda Canute Savio	BE CMPN/58
28	Engineering and Technology	UG	Nanoconcrete	Thakur College of Engineering and Technology, Kandivali	Todmal Shreya Atul	SE CIVIL /28
					Raut Sayli Prashant	SE CIVIL/05
29	Engineering and Technology	UG	MULTI AGRO MECHANISM	Thakur College of Engineering and Technology, Kandivali	Pal Vikrant Sunder	BE MECHANI/72
					Pawar Kunal Shashikant	BE MECHANI/73
					Patil Pankaj Prakash	BE MECHANI/65

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30	Engineering and Technology	UG	Study of Structural Behaviour of Earth Slab Panel Confined by GI Wire Mesh For Low Cost Housing.	Vidyavardhini College of Engineering and Technology, Vasai	Patel Kushal Chandubhai	B.E. CIVIL/31
					Uttekar Sandesh H	B.E.CIVIL/48
					parmar Abhsihek N.	B.E.CIVIL/30
					Ghosalkar Shreya S.	B.E. CIVIL/14
31	Engineering and Technology	PG	Enhanced brain tumor detection using fractional wavelet transform and artificial neural network	Ramrao Adik Institute of Technology, Nerul	Kaushal Bhakti Surinder mohan	ME/16EC1002
32	Engineering and Technology	PG	Image Inpainting With Contextual Attention and Partial Convolution	Ramrao Adik Institute of Technology, Nerul	Mohite Tejaswini Adesh	PG/15IE1001
33	Engineering and Technology	PG	Performance Evaluation of ASR for Isolated words in Sindhi Language	Thakur College of Engineering and Technology, Kandivali	Dharmani Aarti Hiranand	M.E. EXTC/01
34	Engineering and Technology	PPG	Feature Selection for Pre-Term Child Birth	Ramrao Adik Institute of Technology, Nerul	Deshpande Himani Saurabh	PH.D./16PDCE02
35	Engineering and Technology	PPG	Development of Real Time Encrypted Trust based Dolphin Glowworm Optimization Routing Algorithm for Mobile Adhoc Network	Ramrao Adik Institute of Technology, Nerul	Mukhedkar Moresh Madhukar	PHD/12PDEE003

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36	Engineering and Technology	PPG	Investigating the need of ArogyaYojana in Saiwan, District Palghar, State Maharashtra. A step towards Ayushman Bharat	Thakur College of Engineering and Technology, Kandivali	Pachori Sunita Shalabh	CHEMISTRY/0
37	Engineering and Technology	PPG	Judiciary System using Blockchain	Thakur College of Engineering and Technology, Kandivali	Khairwal Neerajkumari Surajbhan	PHD/04
38	Engineering and Technology	PPG	Comparative Evaluation of Dense Graded Bituminous Concrete with Different Nominal Maximum Aggregate Sizes	Thakur College of Engineering and Technology, Kandivali	Bhana Pritesh Surendra	CIVIL ENGG/NA
39	Engineering and Technology	TH	Designing of Secured Routing Protocol in IoT	Dwarkadas J. Sanghvi College of Engineering, Vile Parle	Gawade Aruna Umesh	PHD/19210047
40	Engineering and Technology	TH	Investigation of Surface Integrity Aspects in Milling Operation on Nickel Based Super Alloy	Dwarkadas J. Sanghvi College of Engineering, Vile Parle	Rajguru Ramesh Ramling	PHD/6001414000
41	Engineering and Technology	TH	Prosody Analysis for Emotions in Marathi Language	Lokmanya Tilak College of Engineering, Kopar Khairane	Harhare Trupti Kamlesh	PHD/361503
42	Engineering and Technology	TH	Enhancing The Capability of Network Protocol for Forensic Investigation and Evidence Collection	Lokmanya Tilak College of Engineering, Kopar Khairane	Patil Rachana Yogesh	PH.D/1

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43	Engineering and Technology	TH	Parametric Investigation for Sustainable Water Supply Network, Quality and Security Management with Application of GIS and Remote Sensing	Pillais Hoc College of Engineering and Technology, Rasayani	Nagarajan Karthik	PHD/3
44	Engineering and Technology	TH	Reliable Message Dissemination for Road Safety	Ramrao Adik Institute of Technology, Nerul	Padiya Puja Yogesh	PH.D./16PDCE01
45	Engineering and Technology	TH	New Hardware Methods for Extraction of Low Level Differential Signals over Wide Bandwidth With High CMRR and S/N Ratio	Vivekanand Education Society's Institute of Technology, Chembur	Warke Nilima Vasant	PH.D IN EL/01
46	Engineering and Technology	TH	Time Interval Measurement With High Resolution Over Wide Dynamic Range For Nuclear Timing Spectroscopy Applications	Vivekanand Education Society's Institute of Technology, Chembur	Chavan Kanchan Vivek	PH.D IN EL/11/11-12-2
47	Medicine and Pharmacy	UG	Detection of gender using digital forensic	Bharati Vidyapeeth College of Engineering, Kharghar	Pandit Shivali Chuni lal susheela dhar	BE-IT/36
					Patil Harshada Vishwas	BE-IT/37
					Rout Aishwarinandini Bishnu	BE/44

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48	Medicine and Pharmacy	UG	SMART SANITARY NAPKIN DISPOSAL MACHINE	Bharati Vidyapeeth College of Engineering, Kharghar	Yadav Shivraj Bhalchandra	BE/71
					Shetty Anoop Ramanand	BE/49
					Shirsolkar Prajesh Suryakant	BE/52
					Narayane Shreyash Kishorkumar	BE/27
49	Medicine and Pharmacy	UG	Detection of Malaria using Machine Learning	K. J. Somaiya Institute of Engineering and Information Technology, Sion	Thakkar Harsh .	BE/56
					Thakker Parth .	BE/45
					Pede Preetish .	BE/37
50	Medicine and Pharmacy	UG	EXPRIMENTAL INVESTIGATION ON MECHANICAL FAILURE OF BIO-IMPLANT MATERIAL FOR ORTHOPAEDIC APPLICATIONS	Saraswati College of Engineering, Kharghar	Talware Tushar Narendra	BE-MECH/58
					Sawant Akshay Baburao	BE-MECH/59
					Jambhale Harshada Nandkumar	BE-MECH/45
					Teli kishan Bhimraj	BE-MECH/61
51	Medicine and Pharmacy	UG	Design and manufacturing of a lower limb exoskeleton	Vidyavardhini College of Engineering and Technology, Vasai	pawar Prathmesh Prakash	B.E. MECHA/11
					Suthar Harshal Vhshnuprasad	B.E. MECHA/16
					Pawar Sumit Sahadev	B.E. MECHA/30
					Prabhu Praseeda rammohan	B.E. MECHA/47

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52	Medicine and Pharmacy	UG	Skin Disease Prediction using Machine Learning	Vidyavardhini College of Engineering and Technology, Vasai	Pise Omkar Narayan	B.E. COMPU/163107125
					Rao Kritika Sujay	B.E.COMPUT/163201173
					Yelkar Pooja Suresh	B.E. COMPU/163205135
53	Medicine and Pharmacy	UG	V-Health +	Vishwaniketan Institute of Management Enterpreneurship and Engineering Technology, Kumbhivali, Khalapur	Bendre Aniket Pratap	TE/02
					Ghanvat Amit Maruti	TE/16
					Todankar Vipresh Digambar	TE/62
					Dahimbekar Tejal Anil	TE/07
					Mali Harshali Prabhakar	TE/29

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