



ARIIA

ATL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

Verification Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21

Institute Name: PADMABHOOSHAN VASANTRAODADA PATIL INSTITUTE OF TECHNOLOGY [ARI-C-11196]

List all the departments / centers / units are part of innovation and startup ecosystem of the institute

Srno	Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
1	Padmabhooshan Vasantraodada Patil Institute of Technology Budhgaon	Academic Department with lab facility	Engineering and Technology	UG / PG / PhD	Technical	2100	146	85

Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC201912265
Trained Innovation Ambassadors at HEI	YES	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	Yes	Not Required
Participation in National Education Alliance of Technology (NEAT)	No	Not Required

Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration (in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
1	Workshop on IPR	IPR	Workshop	Institute Lead Activity	Institute Innovation Council	06-07-2019 00:00:00	06-07-2019 00:00:00	1	Within Campus	150	50	0	0	200	No	No
2	IPR Awareness Program	IPR	Awareness	Institute Lead Activity	Institute Innovation Council	23-09-2019 00:00:00	23-09-2019 00:00:00	1	Within Campus	150	50	20	0	220	No	No
3	Lecture on Innovation and Entrepreneurship	Entrepreneurship/Startup	Seminar	Institute Lead Activity	INSTITUTE INNOVATION CELL	11-09-2019 00:00:00	11-09-2019 00:00:00	1	Within Campus	200	0	0	0	200	No	No

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4	Enterpre nuership Awarene ss Camp	Entrep neurship/ Startup	Worksho p	Institute Lead Activity	Padmabh ooshan Vasantra odada Patil Institute of Technolo gy, Budhgao n	03-10-20 19 00:00:00	05-10-20 19 00:00:00	3	Within Campus	146	10	0	0	156	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No	
5	Enterpre nuership Awarene ss Program	Entrep neurship/ Startup	Worksho p	Institute Lead Activity	Padmabh ooshan Vasantra odada Patil Institute of Technolo gy, Budhgao n	19-10-20 19 00:00:00	19-10-20 19 00:00:00	1	Within Campus	273	10	0	0	283	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	8000	No	
6	Internal Hackatho n for Smart India Hackatho n	Innovatio n	Hackatho n	Institute Lead Activity	Institute Innovatio n Council	18-01-20 20 00:00:00	18-01-20 20 00:00:00	1	Within Campus	70	10	0	0	80	No	No		
7	Challeng e to Solutions	Innovatio n	Innovatio n Contest	Institute Lead Activity	Institute Innovatio n Council	02-03-20 20 00:00:00	03-03-20 20 00:00:00	2	Within Campus	50	4	20	2	76	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	9800	Award / Position / Recognition Secured	Best Solution to the Problem Statement
																Title of Innovation / Start-up Secured the Award / Recognition	Problem Statements	
																Award/Recog nition/Achieve ment Received for		
8	Robo WAR	Entrep neurship/ Startup	Innovatio n Contest	Institute Lead Activity	PVPIT Budhgao n	02-03-20 20 00:00:00	03-03-20 20 00:00:00	2	Within Campus	35	3	15	0	53	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	42297	Award / Position / Recognition Secured	Winner
																Title of Innovation / Start-up Secured the Award / Recognition	Robo War Winner	
																Award/Recog nition/Achieve ment Received for		

Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

9	Circuit Maze	Innovation	Innovation Contest	Institute Lead Activity	Electronics Engineering	02-03-2020 00:00:00	03-03-2020 00:00:00	2	Within Campus	40	2	22	0	64	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10300	Award / Position / Recognition Secured	Rank 1	
																	Title of Innovation / Start-up Secured the Award / Recognition	Best Solution	
																	Award/Recognition/Achievement Received for		
10	Contraption	Innovation	Innovation Contest	Institute Lead Activity	Instrumentation Engineering	02-03-2020 00:00:00	03-03-2020 00:00:00	2	Within Campus	15	2	5	0	22	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	12300	Award / Position / Recognition Secured	Rank	
																	Title of Innovation / Start-up Secured the Award / Recognition	Best Solution	
																	Award/Recognition/Achievement Received for		
11	Sense-Expo	Innovation	Exhibition	Institute Lead Activity	Instrumentation Engineering	02-03-2020 00:00:00	03-03-2020 00:00:00	2	Within Campus	16	2	6	0	24	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	9300	Award / Position / Recognition Secured	Rank	
																	Title of Innovation / Start-up Secured the Award / Recognition	Best Presentation	
																	Award/Recognition/Achievement Received for		

Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

12	Design Spark	Innovation	Innovation Contest	Institute Lead Activity	Electronics and Telecommunication Engineering	02-03-2020 00:00:00	03-03-2020 00:00:00	2	Within Campus	40	2	10	0	52	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	13616	Award / Position / Recognition Secured	Rank	Title of Innovation / Start-up Secured the Award / Recognition	Best Solution	Award/Recognition/Achievement Received for
13	@ Mega Coder	Innovation	Innovation Contest	Institute Lead Activity	Electronics and Telecommunication Engineering	02-03-2020 00:00:00	03-03-2020 00:00:00	2	Within Campus	16	2	6	0	24	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	9300	Award / Position / Recognition Secured	Rank	Title of Innovation / Start-up Secured the Award / Recognition	Best Solution	Award/Recognition/Achievement Received for
14	Mind Marshal	Innovation	Innovation Contest	Institute Lead Activity	First Year Engineering	02-03-2020 00:00:00	03-03-2020 00:00:00	2	Within Campus	50	2	14	0	66	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	14600	Award / Position / Recognition Secured	Rank	Title of Innovation / Start-up Secured the Award / Recognition	Best Solution	Award/Recognition/Achievement Received for

Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

15	Auto Kick	Innovation	Innovation Contest	Institute Lead Activity	Mechanical Engineering	02-03-2020 00:00:00	03-03-2020 00:00:00	2	Within Campus	25	2	10	0	37	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10300	Award / Position / Recognition Secured	Rank	
																		Title of Innovation / Start-up Secured the Award / Recognition	Best Work
																		Award/Recognition/Achievement Received for	
16	Mech Model	Innovation	Innovation Contest	Institute Lead Activity	Mechanical Engineering	02-03-2020 00:00:00	03-03-2020 00:00:00	2	Within Campus	20	2	4	0	26	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10300	Award / Position / Recognition Secured	Rank	
																		Title of Innovation / Start-up Secured the Award / Recognition	Best Model
																		Award/Recognition/Achievement Received for	
17	Robo Sumo	Innovation	Innovation Contest	Institute Lead Activity	Electrical Engineering	02-03-2020 00:00:00	03-03-2020 00:00:00	2	Within Campus	40	2	8	0	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	22115	Award / Position / Recognition Secured	Rank	
																		Title of Innovation / Start-up Secured the Award / Recognition	First Prize Winner
																		Award/Recognition/Achievement Received for	

Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

18	TechnoPhilia	Innovation	Innovation Contest	Institute Lead Activity	Electrical Engineering	02-03-2020 00:00:00	03-03-2020 00:00:00	2	Within Campus	60	2	10	0	72	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10300	Award / Position / Recognition Secured	Rank
																	Title of Innovation / Start-up Secured the Award / Recognition	Winner
																	Award/Recognition/Achievement Received for	
19	Mega Structures	Innovation	Innovation Contest	Institute Lead Activity	Civil Engineering	02-03-2020 00:00:00	03-03-2020 00:00:00	2	Within Campus	55	2	16	0	73	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10300	Award / Position / Recognition Secured	Rank
																	Title of Innovation / Start-up Secured the Award / Recognition	Best Model
																	Award/Recognition/Achievement Received for	
20	Block Smart	Innovation	Innovation Contest	Institute Lead Activity	Civil Engineering	02-03-2020 00:00:00	03-03-2020 00:00:00	2	Within Campus	50	2	8	0	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10300	Award / Position / Recognition Secured	Rank
																	Title of Innovation / Start-up Secured the Award / Recognition	Best Solution
																	Award/Recognition/Achievement Received for	

Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

21	Waste to Best	Innovation	Innovation Contest	Institute Lead Activity	Chemical Engineering	02-03-2020 00:00:00	03-03-2020 00:00:00	2	Within Campus	20	2	7	0	29	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7800	Award / Position / Recognition Secured	Rank
																	Title of Innovation / Start-up Secured the Award / Recognition	Best Solution
																	Award/Recognition/Achievement Received for	
22	Project Competition	Innovation	Innovation Contest	Institute Lead Activity	Chemical Engineering	02-03-2020 00:00:00	03-03-2020 00:00:00	2	Within Campus	50	2	17	0	69	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	8800	Award / Position / Recognition Secured	Rank
																	Title of Innovation / Start-up Secured the Award / Recognition	Best Project
																	Award/Recognition/Achievement Received for	

Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration (in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research	
1	IGNITED INNOVATORS OF INDIA	Innovation	Innovation Contest	College of Engineering Pune and Bhau Institute	Educational Institute	10-10-2019 00:00:00	31-03-2020 00:00:00	17	460	20	480	Yes	Funding	Total 24 Ideas	No	Award / Position / Recognition Secured	Funding
																Title of Innovation / Start-up Secured the Award / Recognition	Total 24 Ideas
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype

Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI

2	Efficycle	Entrepreneurship/Startup	Skill development	SAE INDIA	Govt. Agency (State)	01-10-2019 00:00:00	07-10-2019 00:00:00	7	13	2	15	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	100000	No						
3	Tifan	Innovation	Skill development	SAE INDIA	Govt. Agency (Central)	01-06-2019 00:00:00	01-02-2020 00:00:00	24	25	2	27	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	70000	No						
4	SOLARIS	Innovation	Skill development	RIDWICKS MOTOR	Non-Govt. Agencies	03-03-2020 00:00:00	05-03-2020 00:00:00	3	25	2	27	Yes	BEST INNOVATION AWARD AND BEST DESIGN AWARD	SOLARIS	Total Total Expense Amount Incurred by Institute? (In Rupees)	217400	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>BEST INNOVATION AWARD AND BEST DESIGN AWARD</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>SOLARIS</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	BEST INNOVATION AWARD AND BEST DESIGN AWARD	Title of Innovation / Start-up Secured the Award / Recognition	SOLARIS	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	BEST INNOVATION AWARD AND BEST DESIGN AWARD																						
Title of Innovation / Start-up Secured the Award / Recognition	SOLARIS																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						
5	Indian Karting Championship Season 4	Innovation	Innovation Contest	Indian Karting Championship	Govt. Agency (Central)	06-03-2020 00:00:00	09-03-2020 00:00:00	4	30	2	32	Yes	All India Rank 9	Indian Karting Championship	Total Total Expense Amount Incurred by Institute? (In Rupees)	48042	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>All India Rank 9</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Indian Karting Championship</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	All India Rank 9	Title of Innovation / Start-up Secured the Award / Recognition	Indian Karting Championship	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	All India Rank 9																						
Title of Innovation / Start-up Secured the Award / Recognition	Indian Karting Championship																						
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																						
6	Hindustan Formula Karting Championship Season 3	Innovation	Innovation Contest	Hindustan Motor Sports	Govt. Agency (Central)	22-01-2020 00:00:00	24-01-2020 00:00:00	3	14	1	15	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	76889	No						

Section 2 > i : List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	IC Engines	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Mechanical Engineering	01-01-2020	30-04-2020	121	Offline	328	36
2	Renewable Energy Sources	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Mechanical Engineering	01-01-2020	30-04-2020	121	Offline	328	36
3	Solar Energy	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Mechanical Engineering	01-01-2020	30-04-2020	121	Offline	328	36
4	Industrial Engineering	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Mechanical Engineering	01-01-2020	30-04-2020	121	Offline	221	40
5	Renewable Energy Sources	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Chemical Engineering	01-07-2019	31-10-2019	123	Offline	49	32
6	Green Technology	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Chemical Engineering	01-07-2019	31-10-2019	123	Offline	26	32
7	Petroleum refining and petrochemicals	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Chemical Engineering	01-07-2019	31-10-2019	123	Offline	86	32
8	Heat transfer equipment design	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Chemical Engineering	01-01-2020	30-04-2020	121	Offline	86	32
9	Petroleum refinery engineering	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Chemical Engineering	01-07-2019	31-10-2019	123	Offline	52	40
10	Energy conservation and recovery	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Chemical Engineering	01-01-2020	30-04-2020	121	Offline	52	40
11	Probability Theory and Random Processes	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Electronics and Telecommunication Engineering	01-07-2019	31-10-2019	123	Offline	69	32
12	Speech Processing	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Electronics and Telecommunication Engineering	01-07-2019	31-10-2019	123	Offline	57	40
13	RS and GPS	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Electronics and Telecommunication Engineering	01-01-2020	30-04-2020	121	Offline	57	40
14	Solid State Devices	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Electrical Engineering	01-01-2020	30-04-2020	121	Offline	70	32
15	Introduction to Non-Conventional energy sources	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Electrical Engineering	01-01-2020	30-04-2020	121	Offline	70	32
16	Power Plant Engineering	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Electrical Engineering	01-07-2019	31-10-2019	123	Offline	91	32
17	Industrial automation and Control	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Electrical Engineering	01-01-2020	30-04-2020	121	Offline	75	32
18	Artificial neural network	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Electrical Engineering	01-01-2020	30-04-2020	121	Offline	16	32
19	FACTS	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Electrical Engineering	01-07-2019	31-10-2019	123	Offline	59	40

20	Electrical maintenance and electrical energy audit	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Electrical Engineering	01-01-2020	30-04-2020	121	Offline	59	40
21	Audio and Video Processing	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Electronics Engineering	01-07-2019	31-10-2019	123	Offline	27	32
22	Computer Network and Cloud Computing	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Electronics Engineering	01-01-2020	30-04-2020	121	Offline	27	32
23	Satellite Communication	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Electronics Engineering	01-07-2019	31-10-2019	123	Offline	22	40
24	System on Chip	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Electronics Engineering	01-01-2020	30-04-2020	121	Offline	22	40
25	Analytical Sensors	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Instrumentation Engineering	01-01-2020	30-04-2020	121	Offline	70	32
26	Design of sensor and transducer	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Instrumentation Engineering	01-01-2020	30-04-2020	121	Offline	47	32
27	Building Automation	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Instrumentation Engineering	01-07-2019	31-10-2019	123	Offline	49	40
28	Robotics and Automation	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Instrumentation Engineering	01-01-2020	30-04-2020	121	Offline	49	40
29	Planning for sustainable development	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Civil Engineering	01-01-2020	30-04-2020	121	Offline	103	32
30	Advanced soil mechanics	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Civil Engineering	01-01-2020	30-04-2020	121	Offline	71	32
31	Advanced engineering geology	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Civil Engineering	01-01-2020	30-04-2020	121	Offline	20	32
32	Solid waste management	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Civil Engineering	01-07-2019	31-10-2019	123	Offline	177	40
33	Advanced structural analysis	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Civil Engineering	01-07-2019	31-10-2019	123	Offline	21	40
34	Advanced concrete design	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Civil Engineering	01-01-2020	30-04-2020	121	Offline	198	40
35	Advanced construction techniques	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Civil Engineering	01-01-2020	30-04-2020	121	Offline	198	40
36	Human Computer Interaction	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Computer Science and Engineering	01-07-2019	31-10-2019	123	Offline	65	32
37	Internet of Things	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Information Technology	01-07-2019	31-10-2019	123	Offline	53	40
38	Business Intelligent System	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Information Technology	01-01-2020	30-04-2020	121	Offline	53	40
39	Renewable Energy Systems	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electrical Engineering	01-07-2019	31-10-2019	123	Offline	13	32
40	Distributed generation and micro grid	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electrical Engineering	01-01-2020	30-04-2020	121	Offline	13	32
41	Power Electronics for Renewable Energy Systems	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electrical Engineering	01-07-2019	31-10-2019	123	Offline	13	32

42	Application of Power Electronics to Power System	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electrical Engineering	01-01-2020	30-04-2020	121	Offline	13	32
43	Energy Management and Auditing	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electrical Engineering	01-01-2020	30-04-2020	121	Offline	13	32
44	Optical Fiber communication	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electronics and Telecommunication Engineering	01-07-2019	31-10-2019	123	Offline	8	32
45	Wireless Sensor Network Design	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electronics and Telecommunication Engineering	01-01-2020	30-04-2020	121	Offline	8	32
46	Digital VLSI Design	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Electronics and Telecommunication Engineering	01-01-2020	30-04-2020	121	Offline	8	32
47	Mechatronics	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Mechanical Engineering	01-01-2020	30-04-2020	121	Offline	4	32
48	Advanced Engineering Materials	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Mechanical Engineering	01-01-2020	30-04-2020	121	Offline	4	32
49	Entrepreneurship Startup	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Centre Institution Innovation Council of MHRD Innovation cell delhi	28-04-2020	22-05-2020	25	Online	8	30

Section 2 > ii : List the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

No Data Filled!

Section 2 > iii : List the Full Time Faculties had with a Degree (UG/PG/PhD) in Innovation/IPR/Entrepreneurship and (or) Received Specialized Training program of I&E, IPR (MDP, EDP, FDP, Short-term Certificate Course, of minimum 30 hours Duration) conducted by various State, Central Govt. agencies, and Knowledge Agencies in the Academic Period (2019-20)

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20									
1	Mr.S.A.Wani	Mechanical Engineering	Assistant Professor	No	Yes									
						Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
						MHRD Training Sessions	Innovation	EDP in I&E, IPR	MHRD	Govt. Agency (Central)	30-04-2020 00:00:00	20-05-2020 00:00:00	21	Online
2	Dr.N.M.Dhavale	Instrumentation Engineering	Professor	No	Yes									
						Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
						MHRD Training Sessions	Innovation	EDP in I&E, IPR	MHRD	Govt. Agency (Central)	01-05-2020 00:00:00	21-05-2020 00:00:00	21	Online

3	Dr.S.L.Bhagat	Chemical Engineering	Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	MHRD Training Sessions	Innovation	EDP in I&E, IPR	MHRD	Govt. Agency (Central)	01-05-2020 00:00:00	21-05-2020 00:00:00	21	Online
4	Mr.A.A.Kusnale	Civil Engineering	Assistant Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	MHRD Training Sessions	Innovation	EDP in I&E, IPR	MHRD	Govt. Agency (Central)	01-05-2020 00:00:00	21-05-2020 00:00:00	21	Online
5	Dr. S.S. Kulkarni	Mechanical Engineering	Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	MDP on Managing Start-Up Incubation and Ecosystem	Entrepreneurship/Startup	MDP in I&E, IPR	IIM, Lukhnow	Govt. Agency (Central)	02-03-2020 00:00:00	06-03-2020 00:00:00	5	Offline

Section 3 > i : List Idea/Innovation Centric Student Clubs Are Functional at the HEI with Access to Co-working Space/Work-stations for Students with Facilities & Equipment Available to promote and Support Innovation, Entrepreneurship and IPR Activities in Campus

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Student Club with Access to Other I&E Facilities at the HEI	No of Programs/Activities Organized by the Student Club During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone
1	SAE India Colleague Club PVPIT	Innovation Club	2017	None	No Such Facilities Exist in the Campus	1	Prof Patil Amarsinh S	aspatil@pvpitsangli.edu.in	9422639103

Section 3 > ii > a : List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

Srno	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation on Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?
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Section 3 > ii > a : List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

1	Pre Incubator	Maker's Space	2018	None	No Such Facilities Exist in the Campus	No Such Facilities Exist in the Campus	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof Dr. N.M.D hawale</td> </tr> <tr> <td>Facility Incharge Email</td> <td>askulkarni.instru@pv pitsangli.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8766906664</td> </tr> </table>	Facility Incharge Name	Prof Dr. N.M.D hawale	Facility Incharge Email	askulkarni.instru@pv pitsangli.edu.in	Facility Incharge Phone	8766906664	1	No	No	No
Facility Incharge Name	Prof Dr. N.M.D hawale																
Facility Incharge Email	askulkarni.instru@pv pitsangli.edu.in																
Facility Incharge Phone	8766906664																

Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

Srno	Name of CoE Facility	Year of Establishment	CoE with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with CoE, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the CoE Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by CoE Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of CoE Centre/Facilities?						
1	Center of Intelligent Sensors	2019	Innovation Labs		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Dhawale N.M.</td> </tr> <tr> <td>Facility Incharge Email</td> <td>nmdhawale@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8766906664</td> </tr> </table>	Facility Incharge Name	Dr. Dhawale N.M.	Facility Incharge Email	nmdhawale@gmail.com	Facility Incharge Phone	8766906664	01	No	No	No
Facility Incharge Name	Dr. Dhawale N.M.														
Facility Incharge Email	nmdhawale@gmail.com														
Facility Incharge Phone	8766906664														

Section 3 > ii > c : List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?
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Section 3 > ii > c : List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

1	PVPIT Incubation Center	2019	Innovation Labs		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Kulkarni Satish S</td> </tr> <tr> <td>Facility Incharge Email</td> <td>sskulkarni@pvpitsa ngli.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>94238 29420</td> </tr> </table>	Facility Incharge Name	Dr. Kulkarni Satish S	Facility Incharge Email	sskulkarni@pvpitsa ngli.edu.in	Facility Incharge Phone	94238 29420	01	No	No	No
Facility Incharge Name	Dr. Kulkarni Satish S														
Facility Incharge Email	sskulkarni@pvpitsa ngli.edu.in														
Facility Incharge Phone	94238 29420														

Section 3 > ii > d : List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

No Data Filled!

Section 3 > ii > e : List the IPR Cell/Technology Transfer Centre Facilities at the HEI

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Startup/Venture Development and implementation during the Financial Year 2019-20?						
1	Intellectual Property Cell	2018	Pre-Incubation		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr. Harugade M.L.</td> </tr> <tr> <td>Facility Incharge Email</td> <td>mlharugade@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>96654 07840</td> </tr> </table>	Facility Incharge Name	Mr. Harugade M.L.	Facility Incharge Email	mlharugade@gmail.com	Facility Incharge Phone	96654 07840	05	No	No	No
Facility Incharge Name	Mr. Harugade M.L.														
Facility Incharge Email	mlharugade@gmail.com														
Facility Incharge Phone	96654 07840														

Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Dr.D.V.Ghewade	Principal	Idea/Innovation Development	29
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Refrigerated mini kettle		Within	
2	Dr. S.S. Kulkarni	Professor	Idea/Innovation Development, Entrepreneurship/Startup Development, IPR Protection & Commercialization	20

Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Design of Automatic Butter Spreader	Within	

Section 3 > iii > b : Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area	Type of Mentorship
1	NETRA	Idea/Innovation Development	Unstructured Mentorship

Section 4 : List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation/ Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation/ Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/ Startup/ SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019
1	Refrigerated mini kettle	Product Innovation	Technological	PADMA BHOOSHAN VASANTRAODADA PATIL INSTITUTE OF TECHNOLOGY	Student-Faculty	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
				Name		Type		Gender		Email		Contact	
				Dr Dinkar V Ghewade		Faculty		Male		degreeprincipal@pvpitsangli.edu.in		9049504851	
				Name		Type		Gender		Email		Contact	
				Mr.Prasad Adsule		Faculty		Male		prasad.adsule@pvpitsangli.edu.in		9049504851	

1	Unico Agro Chemicals and Fertiliser	Product Innovation	Technological	145	Alumni	Venture with MSME Registration No MH29D0016272	2018-19	Received Incubation Support from Incubation Unit	No	No	No	No
						Venture with GST No						
Name		DIN number		Type		Gender		Email		Contact		
Niyaj Ahemad Mulla		MH29D0016272		Alumni Entrepreneur		Male		mullaniyaj@gmail.com		9860345786		

Section 7 > i : List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

No Data Filled!

Section 8 > ii : List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner

Srno	Title/Name of IP(Copyright & Designs Only)	Type of IP(Copyright & Designs Only)	IP(Copyright & Designs Only) Registration Number of Copyright/Design	Application Level	Date of Copyright / Design IP Filed/ Published (Year, Month)	Copy of receipt / application screenshot [PDF or Image]	Current Status of IP(Copyright & Designs Only) as on 31st March 2020	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
1	Automatic Butter Spreader	IPRFiledPublished	323026-001	National	2019 - 10	Uploaded	Granted	No
Department/Centre Name								
Mechanical Engineering								

Section 8 > iii : List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]	
1	Water Garbage Collector	324894-001			2019 - 12	NA
2	Automatic Butter Spreader	323026-001			2019 - 10	NA
3	Cement Block Making Machine	324184-001			2019 - 12	NA
4	Portable Rescue Water Boat	328283-001			2020 - 03	NA
5	Sugarcane Lifting Machine	328284-001			2020 - 03	NA
6	Instrument to identify soil nutrients	323027-001	National		2019 - 10	NA
7	Microcontroller Based Groundnut Seed Sowing And Fertilizing System	328284-002			2020 - 03	NA
8	Milk Stirrer	301338			2019 - 07	NA