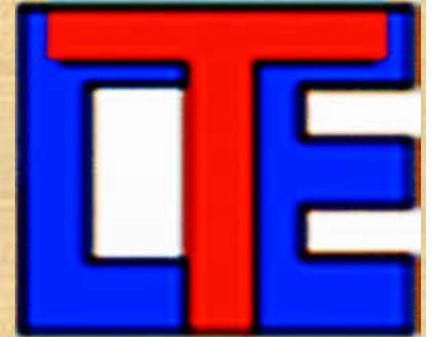




Government
Polytechnic, Palanpur





Student Start up and Innovation Policy Grant Phase-IV

Mr. B M Patel
SSIP Coordinator
G.P. Palanpur

Mr. S. J. Chauhan
Principal
G. P. Palanpur.

Culture Development in campus :To Change Mind Set (year,17-18)

SSIP Policy awareness campaign	<ul style="list-style-type: none"> • College level introductory lectures by college SSIP cell to all students 	
	<ul style="list-style-type: none"> • SSIP Policy understanding from invited expert from nearby SSIP grantee college (GEC Patan) 	
	<ul style="list-style-type: none"> • Providing literature in local language 	
Event To Motivate Students	<p>College level technical event</p> <ul style="list-style-type: none"> • Project presentation • Idea/Poster presentation • On the spot event 	
	<p>Visit:</p> <ul style="list-style-type: none"> • State level Science fair visit • Science city visit during world space week celebration 	
	<p>Seminar/workshop with title (Entrepreneurship and Innovation)</p> <ul style="list-style-type: none"> • Innovation that impact lives in positive manner • Entrepreneurship camp by CED,Gujarat • Entrepreneurship as a career option • Startup and IPR seminar at GEC Patan 	
	<p>Interaction with Innovators (student)</p> <ul style="list-style-type: none"> • Arduino controller for automation and apply in final year project • Internet of things and its application 	
	<p>Nucleus awareness program (NAPC for Entrepreneurship)</p>	

Efforts and success

Strategy : We give problem list to students and try to find solution with students.

1. 3 team register in Hackathon-18

one team participated in regional round (Rajkot)

2. 2 team register in SIC-18

3. 8 team register in GIH-19

Four team working on given project under guidance of five inter department mentor

4. 3 team register in SOIC

two team from first year students



- Such participation make creative environment in campus and motivate other students also.

Creating innovation pipeline

1. Sensitization

- To Change mind set
 - By Success stories
 - By Idea creation exercise
 - Parents meet
 - Pass-out students meets
 - make and earn in campus
- 1st year orientation program :
 - invite innovators and parents
- Seminar by innovators from industry/incubation center /academia
- Interaction with success students/young innovators

2. Idea

- Scouting the best idea
- Idea screening

3. Mentoring

- Development of strong internal mentoring system
- Building capability of faculty
- Relation development with near by institute /Industry (Design, Marketing, Technical, patent file ,Agriculture...)

Proto type making support

Patent filing support

Start-up support

Scale-up Support

Action plan to support innovators

Set up incubation center

1. Prepare Team
2. Space and connectivity
3. Arrange resources
 - Internal Mentor
 - Industrial Mentor
 - IPR Mentor
 - Trainers/Innovators
3. Arrange industry linkages
 - Entrepreneur
 - Innovators
4. Alumni culture development

Activity and Execution

Activities keep incubator always charge

- Sensitization program
(in campus & outside campus)
- Technical events
- Award distribution (in presence of parents)
- Training program
- Talk from experts
- Innovative product showcase
- Technology demonstration
- Mentor meets
- Visit (Developed Incubation center/industry R & D wing)

4.2 Three Year Action Plan to Support Student Innovation And Startups					
Sr.No.	Milestone	2018-19	2019-20	2020-21	Total
1	Total Number of Students to be Outreached and Sensitized	1000	1500	2000	4500
2	Total Number of Innovative Student Projects to be Supported	15	30	50	95
3	Total Number Innovations to be Supported at PoC Stage	1	2	3	6
4	Total Number of Patents to be Filed	2	3	5	10
	Total Number of Student Start-ups to be Supported through interventions like:	4	8	12	24
5	5.1 Incubation space & facilities	1	2	3	6
	5.2 Seed Funding	1	2	3	6
	5.3 Prototyping grant	1	2	3	6
	5.4 Faculty/ alumni/Expert/mentoring	1	2	3	6
6	Total Number of Workshops/Conferences/Seminars/Capacity Building Programs in SSIP Agenda (attach detail)	4	10	15	29

4.5 Proposed budget including institute contribution, SSIP Grant and other sources:					
Sr.No.	Intervention	Year – 1	Year – 2	Year – 3	Total
1	Developing Institute innovation and startup council/ecosystem/Cell	50000	100000	100000	250000
2	Developing pre-incubation process	50000	100000	100000	250000
3	Co-working space/Pre-incubation facility/Common Innovation Centre	50000	100000	100000	250000
4	Activity/Workshop/Conference/Capacity Building/Awareness program	100000	200000	225000	525000
5	Awards/Recognition/Exposure	30000	50000	55000	135000
6	Technology Platforms/ICT portals	50000	100000	100000	250000
7	Virtual Incubation/Mentoring and allied support	100000	200000	330000	630000
8	Proof of Concept (PoC) and Prototyping support	300000	500000	600000	1400000
9	Patent Filing support	100000	300000	400000	800000
10	Tinkering Lab/Fab Lab/Basic prototyping facility	100000	200000	300000	600000
11	Pedagogical Interventions/Courses/New Programs on Innovation and Entrepreneurship	20000	50000	70000	140000
12	Special Initiatives to promote student startups and innovations	20000	50000	50000	120000
13	Documentation/Publication/Dissemination	20000	30000	40000	90000
14	Any other/Administrative expenses	10000	20000	30000	60000
	Total	1000000	2000000	2500000	5500000

Internal Support system

			Work allocation	
1	Mr B M Patel	Elect.	<ul style="list-style-type: none"> Event & Event content designing IPR Policy implementation Inviting Experts/innovators or startups 	SSIP & IPR – Institute Coordinator
	Mr M J Dabgar	EC	<ul style="list-style-type: none"> Event & Event content designing Linkage with Industry Event / Experts data management 	Member --SSIP & IPR Cell
3	Mr T P Purohit	Elect.	<ul style="list-style-type: none"> Finance Management Linkage with Industry 	Member --SSIP & IPR Cell
	Mr Y T Rana	Civil	<ul style="list-style-type: none"> SSIP State/National level Event participation Students Data management 	Member --SSIP & IPR Cell
5	Mr D D Panchal	Mech	<ul style="list-style-type: none"> In/out campus Event Management Coordination with students Alumni Data 	Member --SSIP & IPR Cell
6	Mr V A Chauhan	IC	<ul style="list-style-type: none"> In/out campus Event Management Coordination with students Alumni Data 	Member --SSIP & IPR Cell

Technical events in campus



Experts interaction with students



Thank you

2.3	Active Student Participation in Innovation and Entrepreneurial Activities during past academic year (claims will be verified during evaluation)	
Sr.No.	Interventions	Numbers
1	Projects/research work converted into an innovation/solution	0
2	Students participating in Conferences/Symposiums/Workshops in Innovation and Entrepreneurship	65
3	Students participating in Boot-camps/Hackathons/Hands on Activities/Problem Solving Efforts	3
4	Students participating in exposure programs like Innovation/Startup Exhibitions/Award Functions	20
5	Students participating in Product Design, Design Thinking, Immersion Programs in Innovation	10
6	Startup Internship, Research in Innovation and Entrepreneurship, Students participating with Innovators and Startups through various Engagement programs	5
7	Students Participating in Skill Development Programs related to Innovation and Entrepreneurship	50
8	Students Startups/Alumni Startups coming out of the Institute	0
	Total	153

Proposed space for Incubation Facility



4.3	Key initiative to achieve the above. (Please Mention at least 10 initiatives within 500 words)
Sr.No.	Initiatives
1	create college level SSIP team for incubation facilities
2	arranging different activities like techfest, visit, seminar (Innovation/IPR/Patent drafting) to promote innovation and entrepreneurship in campus
3	arranging seminar/workshop for faculties on importance of startup/entrepreneurship and encouraging faculties to counsel students to take part in state level and national level events
4	identifying best students and encouraging them to work his/her project work with SSIP cell
5	collecting available resources and materials related to innovation and entrepreneurship and provide it to students in local language.
6	Different awareness program to outreach students for motivating towards innovative ideas.
7	By arranging interaction program with students who participated in Hackathon type competition from different colleges
8	Pre planning the activities to promote innovation and entrepreneurship in campus and arranging events accordingly for students which motivate and provide guideline to the students to work on innovative projects.
9	Gathering students by arranging regular activities to promote innovation and startup activities in campus and outside campus. It can motivate students to join institute SSIP cell.
10	Inviting alumni entrepreneurs to motivate or guide students

Institute/College Proposal Format Phase-IV

1	Institute Basic Information		
1.1	Institutional Identity		
(A)	Name of the Institute	GOVERNMENT POLYTECHNIC, PALANPUR	
(B)	Type of Institute (Govt./ Private/ Grant-in-Aid)	GOVERNMENT	
(C)	Year of Starting of Institute	1984	
(D)	Total Number of Departments in the Institute	5	
(E)	Total Number of Enrolled Students	613	
1.2	Correspondence of the Institute		
(A)	Correspondence Address		
	City:	Palanpur	Dist: Banaskantha
(B)	Phone Number	02742-262115	
(C)	Fax Number	02742-245219	
(D)	E-mail Id	gp-palanpur-dte@gujarat.gov.in	
1.3	Banking details of the Institute		
(A)	Institute bank account name	PRINCIPAL GOVERNMENT POLYTECHNIC PALANPUR	
(B)	Bank account number	34489239245	
(C)	Name of Bank and Branch	State Bank Of India	Palanpur, Super Market
(D)	IFS Code:	SBIN0000443	
1.4	Details of Director/Principal of the Institute		
Sr.No.	Name	Mobile	E-mail
1	SHRI S J CHAUHAN	9427026618	gp-palanpur-dte@gujarat.gov.in

Sr.No.	Name					Mobile	E-mail				
1	SHRI S J CHAUHAN					9427026618	gp-palanpur-dte@gujarat.gov.in				
1.5	Details of SSIP Coordinator										
Sr.No.	Name				Designation	Mobile	E-mail Id				
1	SHRI B M PATEL				LECTURER	9726246059	bmp1412@gmail.com				
1.6	Details of person authorised to sign MoU										
Sr.No.	Name				Designation	Mobile	E-mail Id				
1	SHRI S J CHAUHAN				Principal	9427026618	gp-palanpur-dte@gujarat.gov.in				
2	Present Scenario of Innovation and Startup activities/Preparedness										
2.1	Students Affiliated to Institute						Faculty Members				
Sr.No.	Diploma	UG	PG	Ph.D	Certificate Course	Total	Lecturer	Asst.Prof.	Asso.Prof.	Prof.	Principal
1	613					613	86		6		
2.2	Facilities Available for Innovation Pre-incubation Support (claims will be verified during evaluation)										
Sr.No.	Details										Yes/No
1	Research/Innovation/Incubation/Pre-incubation Centre Available										NO
2	Meeting Room for Innovators and Startups, Seminar/ Computer Centre with Independent High-Speed Dedicated Internet Facility										NO
3	Library/Reading Room/Soft Digital Infrastructure										YES
4	Area of minimum 600 Square Feet dedicated for Innovation and Entrepreneurship Activities										NO
5	Dedicated Supporting Staff for Startup/Incubation/Pre-incubation Activity/Centre										YES
6	Collaboration with Expert Individual and Organization to promote Innovation and Entrepreneurship										NO
7	Access to Institute Labs/workshop and Research Infrastructure to Student Innovators and Startups										YES

2.3	Active Student Participation in Innovation and Entrepreneurial Activities during past academic year (claims will be verified during evaluation)		
Sr.No.	Interventions		Numbers
1	Projects/research work converted into an innovation/solution		0
2	Students participating in Conferences/Symposiums/Workshops in Innovation and Entrepreneurship		65
3	Students participating in Boot-camps/Hackathons/Hands on Activities/Problem Solving Efforts		3
4	Students participating in exposure programs like Innovation/Startup Exhibitions/Award Functions		20
5	Students participating in Product Design, Design Thinking, Immersion Programs in Innovation		10
6	Startup Internship, Research in Innovation and Entrepreneurship, Students participating with Innovators and Startups through various Engagement programs		5
7	Students Participating in Skill Development Programs related to Innovation and Entrepreneurship		50
8	Students Startups/Alumni Startups coming out of the Institute		0
	Total		153
2.4	Major Noteworthy Efforts during past three years to promote Innovation and Student Startups. (Please Mention at least 5 initiatives within 1000 words)		
Sr.No.	Initiative		
1	Gathering relevant data and providing it to the students in local language.		
2	By arranging institute level events and activities like Technical events, project demonstration etc.. And inviting innovator or start-up as a judge or expert to motivate students.		
3	Gathering students by arranging regular activities to promote innovation and startup activities in campus. It can motivate students to join institute SSIP cell.		
4	By arranging interaction program with other colleges students who participated in Hackathon type competition		
5	arranging training or seminar related to latest controller and application which is used for automation and can help to solve day to day problems		

2.5	Major Achievements and Impacts during past three years in Innovation and Entrepreneurship. (Please Mention at least 5 initiatives within 500 words)	
Sr.No.	Achievements and Impacts	
1	4 team registered for Gujarat hackathon-18 state level out of 1 team selected for round 1 and 1 team registered for hackathon-18 national level. And now students showing interested to participate in such events.	
2	Faculty members tacking initiatives for pramoting students to take parts in different events and to change mind set of students for selection of project and how to use his/her skills.	
3	10 students are working on two different project with college SSIP cell and they learning relavent software (free source) and controller which is not in syllabus	
4	Total 8 teams (22 students) were registered in Gujarat Industrial Heckathon 18-19	
5	more than 200 students participated in institute level Technical events (06/04/2018) main aim of this type events is to promote innovation and startup activities in campus.	
2.6	Internal Support System at Different Stage of Innovation	
Sr.No.	Need	Figure
1	Outreach/Sensitization/Culture Development	5
2	Support at Idea generation stage	10
3	Support for IPR awareness and Patent Filing	1
4	Support for Proof of Concept (PoC)	
5	Support for access to existing R & D infrastructure	10
6	Exposure to Innovators and Student Startups	3
7	Collaboration and tie-up with external expert/organizations	10
8	Capacity building of stake holders	

2.7 Outstanding efforts in the field of Research by the Institute in past three years					
Sr.No.	Type of Student's Projects Work	2015-16	2016-17	2017-18	Total
1	Ongoing/Completed Funded Research Projects				0
2	Research Publications in Peer Reviewed Journals				0
3	Students' Research Publications				0
4	Faculty Research Publications	4	4	12	20
5	Patents filed				0
6	Conferences/Workshops/Seminars/ Conducted	1	4	5	10
7	Amount Spent on Innovation and Entrepreneurship Agenda				0
8	Consultancy Projects Received				0
9	Internal Revenue Generation (IRG), Rs. In Lakhs				0
2.8 Project Work					
Sr.No.	Type of Student's Projects Work	2015-16	2016-17	2017-18	Total
1	Minor Research/Academic Projects (UG/Diploma Level)	49	47	43	139
2	Major Research/ Academic Projects (PG Level)	0	0	0	0
3	Research Scholars (PhD Level)	0	0	0	0
4	Registered Student/Alumni Entrepreneurs	0	0	0	0
5	Commercialized Student's Project /Innovation	0	0	0	0
3 Core Capabilities to Host SSIP Activities at Institute					
Sr.No.	Area	Capabilities			
1	Competent Human Resource to Operationalize SSIP action	yes			
2	Available Infrastructure for	yes			
3	Core Research/Thrust Areas	Electricity,Transport,manufacturing,Automation, Electronics and power systems			
4	Source to tap new Innovation	Near by villages, Industrial area, Farming, District level Government offices,day to day socie			
5	Locational Advantage	District Head Quarter			
6	Proven track record to promote innovation and	Executations of Planed events according to praposed event calander			
7	Institute's own budget to promote innovation and				

4	Roadmap of the Institute to Promote SSIP Agenda				
4.1	Plans to create Innovation Pipeline for the future (Please Mention at least 3 initiatives within 500				
Sr.No.	Initiatives				
1	Pre planning the activities to promote innovation and entrepreneurship by arranging events for students which motivate and provide guideline to the students to work on innovative projects.				
2	arranging events for faculties to make strong mentoring process.				
3	providing Lab area with facilities for students to work on his/her projects				
4.2	Three Year Action Plan to Support Student Innovation And Startups				
Sr.No.	Milestone	2018-19	2019-20	2020-21	Total
1	Total Number of Students to be Outreached and Sensitized	1000	1500	2000	4500
2	Total Number of Innovative Student Projects to be Supported	15	30	50	95
3	Total Number Innovations to be Supported at PoC Stage	1	2	3	6
4	Total Number of Patents to be Filed	2	3	5	10
5	Total Number of Student Start-ups to be Supported through	4	8	12	24
	5.1 Incubation space & facilities	1	2	3	6
	5.2 Seed Funding	1	2	3	6
	5.3 Prototyping grant	1	2	3	6
6	5.4 Faculty/ alumni/Expert/mentoring	1	2	3	6
	Total Number of Workshops/Conferences/Seminars/Capacity Building Programs in SSIP Agenda (attach detail)	4	10	15	29
4.3	Key initiative to achieve the above. (Please Mention at least 10 initiatives within 500 words)				
Sr.No.	Initiatives				
1	create college level SSIP team for incubation facilities				
2	arranging different activities like techfest, visit, seminar (Innovation/IPR/Patent drafting) to promote innovation and entrepreneurship in campus				
3	arranging seminar/workshop for faculties on importance of startup/entrepreneurship and encouraging faculties to counsile students to take part in state level and national level events				
4	identifying best students and encouraging them to work his/her project work with SSIP cell				
5	collecting available resources and materials related to innovation and entrepreneurship and provide it to students				
6	Different awarness program to outreach students for motivating towards innovative ideas.				
7	By arranging interaction program with students who participated in Hackathon type compitation from different				
8	Pre planning the activities to promote innovation and entrepreneurship in campus and arranging events accordingly for students which motivate and provide guideline to the students to work on innovative projects.				
9	Gathering students by arrengeing regular activities to promote innovation and startup activities in campus and out side campus. It can motivate students to join institute SSIP cell.				
10	Inviting alumini entrepreneurs to motivate or guide students				

4.4 Budget (in Rupees)									
Sr.No.	Component					Year – 1	Year – 2	Year – 3	Total
1	Institute Contribution								0
2	SSIP Grant					1000000	2000000	2500000	5500000
3	Other Sources								0
	Total					1000000	2000000	2500000	5500000
4.5 Proposed budget including institute contribution, SSIP Grant and other sources:									
Sr.No.	Intervention					Year – 1	Year – 2	Year – 3	Total
1	Developing Institute innovation and startup council/ecosystem/Cell					50000	100000	100000	250000
2	Developing pre-incubation process					50000	100000	100000	250000
3	Co-working space/Pre-incubation facility/Common Innovation Centre					50000	100000	100000	250000
4	Activity/Workshop/Conference/Capacity Building/Awareness program					100000	200000	225000	525000
5	Awards/Recognition/Exposure					30000	50000	55000	135000
6	Technology Platforms/ICT portals					50000	100000	100000	250000
7	Virtual Incubation/Mentoring and allied support					100000	200000	330000	630000
8	Proof of Concept (PoC) and Prototyping support					300000	500000	600000	1400000
9	Patent Filing support					100000	300000	400000	800000
10	Tinkering Lab/Fab Lab/Basic prototyping facility					100000	200000	300000	600000
11	Pedagogical Interventions/Courses/New Programs on Innovation and					20000	50000	70000	140000
12	Special Initiatives to promote student startups and innovations					20000	50000	50000	120000
13	Documentation/Publication/Dissemination					20000	30000	40000	90000
14	Any other/Administrative expenses					10000	20000	30000	60000
	Total					1000000	2000000	2500000	5500000