



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

Institute Name: Shri Shankaracharya Group of Institutions [ARI-I-1459]

Srno	Department / Center / Unit Name	Type of Departm ent / Center / Unit	Mention the Stream / Disciplin e / Sector of focus	Departm ent / Center / Unit Level	Program Type	Student / Benificiar y Strength (2019- 20)	Academi c Staff Strength (2019- 20)	Non- academi c Staff Strength (2019- 20)	Status Phase-1	Reason Phase-1	Commen t Phase- 1	Docume nt Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Commen t Phase- 2	Docume nt Phase-2	Remarks Phase-2
1	Electrical Engineering	Academi c Departm ent with lab facility	Deapart ment is equipped with testing facilities laborator y meant for transform er oil testing, its breakdo wn voltage. A lso we have approach for earth measure ment facilities together with caliberati on of energym eters which is a important armour in industry today. Stu dents from outside campus also gain this entire knowledg e here which can be employa ble to industrie s.	At all level	Technical	72	23	3	Approve									

Electrical Industry Institute Instit

3	Electrical Engineering	Industry	Departm ent has organize d FDP on Challeng es in Gender Equality and Women Empower ment (TEQIP, CSVTU) in which Dr.	At all level	Both	50	23	2	Approve				
	Engineering	Industry Institute Interface Unit	ent has	level					d				
		Unit	d FDP on										
			Challeng										
			Gender										
			Equality										
			and Women										
			Empower										
			ment										
			CSVTU)										
			in which										
			Pramanik										
			DGM,										
			BSP and										
			and Ms.										
			Indrani Ghosh										
			Attashi Pramanik DGM, CSR, BSP and and Ms. Indrani Ghosh, Director Science Olympiad , New Delhi has shared										
			Science										
			, New										
			Delhi has										
			shared their										
			views on										
			women empower										
			ment.										

Electrical Industry I
e Prof. EE, NIT, Raipur were

	ne departments	, 00111011	5 / WIIIICO (a. o pa. t		arra otari	up occo	, 0.0 0.					
5	Faculty of Pharmaceutical	Industry Institute Interface Unit	Bihaan Herbal Private Limited (Medicin al plant farming and herbal raw material procuring unit in chattisg arh) and Rudraks h Manufact uring (Edibbe food product manufact urer in chhattisg arh); they are contineo usly involved with our facility for quality control testing and product optimizati on. this is a fruitful synergistic activity being promoted by our Industry Institute Interface unit to promote such budding industrie s in our state which can promote other individual s to take steps forward in	UG/PG/PhD	Technical	150	6	2	Approve				
			torward in										
							-		· · · · · · · · · · · · · · · · · · ·	 	 	 	

resource s; which will help the individual s to work in research and develop ment as well as productio n unit of pharmac eutical sector.Th is will help in promotio n and		•		1	1			1	1			1		1	i	 $\overline{}$
support of innovatio n and entrepre	6		c Departm ent with	resource s; which will help		Technical	430	10	4	Approve						

7	Faculty of Pharmaceutical Sciences	Academi c Departm ent with lab facility	Departm ent of Pharmac ognosy is rich with the herbal drugs and equipme nt's to boost the knowledg e and skill of the individual to acquire job in herb based industrie s and also be able to	At all level	Technical	430	6	2	Approve d					
			herb based industrie s and also be able to contribut e innovativ ely or may start a business of his own.											

Paracuty of Pennecustical Solutions and Control of Pennecus (Control of	isoftware in relation in relat	Liot air t	ine departments	7 00111011	5 / WIIIICO	are part	or minoration (up cccc	, 0.0 0.	 				
idemaia	domain.		Faculty of Pharmaceutical	Academi c Departm ent with	Departm ent of Pharmac ology has software tools and instrume ntation support to make the individual aware of the basics of pharmac odynami cs and pharmac okinetics of drugs and thereby apply this knowledg e in paving path for innovation in the field of pharmac eutical sciences. this knowledg e can make them expert in medical writing which could enlighten the path for the individual to go and join large firms in the field or start his/her own institute in this particular									

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9	Faculty of Pharmaceutical Sciences	Academi c Departm ent with lab facility	In the Pharmac eutical Chemistry Departm ent there are advance d instrume instrume instrume ents like Rotatory evaporat or, Microwav e, etc., along with various drug modeling software's. These tools help in inculcate knowledg e and skill in the students such that they can contribut e massivel y in the	At all level	Technical	430	8	4	Approve d						
			drug discovery they may also spread this knowledg e to others by becomin												
			g entrepre neurs.												

10		Academi		At all	Technical	430	4	1	Approve					
10	Faculty of Pharmaceutical Sciences	Academi c Departm ent with lab facility	Micro/Bio technolo gy departme nt imbibes new and advance d knowledg e of technolo gical upgrades being brought about in this field so as to prepare the individual for moving shoulder to shoulder with the world. Thereby providing the services to the society and uplifting status of oneself along with others by establishing a firm of his own.	At all level	Technical	430	4		Approve					
11	Faculty of Pharmaceutical Sciences	Academi c Departm ent with lab facility	Compute r being a versatile tool for research and commerc e, it is very essential in all the domains of educatio n. The knowledg e of it can open the ways to go for suitable job and to open their own business ventures.	At all level	Technical	430	4	1	Approve					

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12	Faculty of Pharmaceutical Sciences	Centre of Excellen ce with Advance Tools & Equipme nt	Central Instrume ntation facility is jwelled with HPLC, Flame Photome ter, UV spectrom eter, UV spectrom eter, BOD Incubator, microtom e, etc. this facility is available for every individual of the institution to carryout their research work and also for other individual from outside. This helps in developing the research culture in the vicinity of the department and boost others to bring their innovative i deas to us, to which we	At all level	Technical	370	8	1	Approve				
			others to bring their innovativ e ideas										

	•			•			•	<u> </u>							
13	Faculty of Pharmaceutical Sciences	Researc	Researc	At all	Technical	50	20	5	Approve						
1	Pharmaceutical	Researc h Unit /	lh I	At all level				-	l d						
	Sciences	Park	Laborato ry of our institute												
			rv of our												
			institute												
			is												
			specializ												
			is specializ ed for the												
			field of												
			eutical												
			eutical productio n and quality control as well as quality Assuranc e . This												
			n and												
			quality												
			control												
			as well												
			as quality												
			Assuranc												
			can												
			prove to												
			he an												
			helping												
			hand to												
			budding												
			be an helping hand to budding entrepre												
			neures to												
			access it												
			to fortify their												
			their												
			productio												
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			strength.												
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14	Civil Engineering Department	Industry Institute Interface Unit	The Departm ent of Civil Engineeri ng has conducte d a Training program of Auto CAD by MSME-Technolo gy	UG / PG / PhD	Technical	120	35	3	Approve d				
	Department	Institute	Departm	/ PhD					d				
		Interrace	Civil										
		Orme	Engineeri										
			ng has										
			conducte										
			d a Training										
			program										
			of Auto										
			CAD by										
			Technolo										
			gy										
			Čentre,										
			Durg										
			This										
			training										
			had total										
			of (One										
			hundred										
			twenty										
			hours)										
			Each										
			Batch										
			was										
			30studen										
			ts.										
			Training										
			was										
			d in our										
			college										
			departme										
			computer										
			lab by an										
			Expert										
			Abhinay										
			Dahariya										
			gy Centre, Durg (C.G.). This training had total duration of (One hundred twenty hours) 120hrs. Each Batch was having of 30studen ts. Training was conducte d in our college departmental computer lab by an Expert Mr. Abhinav Dahariya delivered his lecture and this										
			lecture										
			and this										
			was										
			proposed by Mr										
			Ritesh										
			Kumar										
			was proposed by Mr. Ritesh Kumar Tendekar , DGM & Incharge MSME- Technolo										
			Incharge										
			MSME-										
			Technolo										
			Gentre.										
			gy Centre, Durg.										

	ne departments	7 00111011		aro part	Or minovation (arra otari	up oooo	y otomi o	tilo illotit	 				
15	Civil Engineering Department	Academi c Departm ent with lab facility	The Departm ent of Civil Engineeri ng has conducte d a Training/ Internshi p (CIVIL) by EduCAD D Academy (GD Enterpric es). This training had total duration of (Eighty hours) 80 hrs.	UG / PG / PhD	Technical	125	35	3	Approve d					
16	Electronics and Telecommunication	Researc h Unit / Park	MAT LAB 9.4 ,2018 version , Simulink ,Auidio system ,Contol system ,DSP,MA TLAB coder,Im age and signal processi ng MATLAB Tool box, Turnitin plagiaris m software	At all level	Technical	350	41	2	Approve d					
17	Electronics and Telecommunication	Researc h Unit / Park	TEQIP Project: Swati Verma, "2D nanostru cture based Field- Effect Transisto r as Gas Sensor : ab-initio modeling ", amount 1.5 lakh	At all level	Both	1	2	1	Approve d					

18	Business Incubator	Incubatio n Unit	EXO- SOLAR Pvt. Ltd (For Solar	At all	Both	4	3	1	Approve d					
	Center	n Unit	SOLAR	level					d					
			Pvt. Ltd											
			(For											
			Solar											
			power to be efficient, eliminatio n of											
			De -#:-:											
			efficient,											
			eliminatio											
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			effects is											
			some EVS effects is need.											
			I Solar											
			power											
			generatio											
			power generatio n can be influence											
			influence											
			a by											
			factors											
			The											
			major											
			d by many factors. The major factors											
			that											
			reduce or											
			that reduce or impede the generation of power for the PV panels are dust, dirt, bird dropping s, pollen and sea salt.) (The robot exo-solar											
			the											
			generatio											
			n or											
			the DV											
			panels											
			are dust.											
			dirt. bird											
			dropping											
			s, pollen											
			and sea											
			<u>s</u> alt.) (
			The .											
			robot											
			exo-solar											
			designed											
			to clean											
			Pv											
			panels											
			on roof of											
			exo-solar is designed to clean Pv panels on roof of tops and solar farms, which											
			solar											
			larms,											
			are											
			difficulty											
			difficulty to access											
			compact and versatile and can easily be moved from one place to the other,											
			and											
			versatile											
			and can											
			easily be											
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			nlace to											
			the other											
			therefore											
			it											

19	Business Incubator	la au batia	"R&T Group (In today's time everyone want cleannes	A + a	Both	3	2	1	\						
19	Center	Incubatio n Unit	Croup (In	At all level	BOILL	٥		'	Approve d						
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			about its												
			clothes												
			or house,												
			buildings												
			clothes or house, buildings anything We are manufact												
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			hasically												
			a laundry												
			deternent												
			and other												
			many												
			cloaning												
			producto												
			products												
			.uie												
			major												
			applicatio												
			manufact ure basically a laundry detergent and other many cleaning products the major application of detergent s is household												
			aetergent												
			S IS												
			househol												
			d cleaning including												
			cleaning												
			including												
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			laundry												
			and washing laundry. We are manufact ure two types of detergent biodegra dable degradable and slurry based detergent the major application of detergent is household cleanings, include dishwashing and washing laundry due to t												
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	ine departments	7 00111011	or arrito	aro part	or minovation (arra otari	up oooo	y ocomi or	tilo illotitito				
20		Incubatio n Unit	Bihow Services Pvt. Ltd (Bihow Services Pvt. Ltd (Bihow Services is an online services which is use to place all wedding services on one platform. It is a kind of Business to Consum er (B2C) portal to provide clientage to the business for more business and more profit. We also provide social initiatives by providing informati on regarding different societies involved in wedding Vaishya Samaj, Arya samaj, etc. we help them to register their candidat es and manage their candidat es and manage their cartivities through	At all level	Both	4	3	1	Approve				
			manage their activities through our portals.)										

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21	Business Incubator	Incubatio n Unit	Dailly Deals	At all level	Both	2	2	1	Approve d						
	Center	n Unit	Deals	level					l d''						
			.com (To												
			To `												
			provide a												
			fast and												
			provide a fast and superior goods facility to all majority of people i.e. poor, reach												
			goods												
			facility to												
			all												
			majority												
			of people												
			i.e. poor ,												
			reach												
			and average and												
			average												
			and .												
			economi												
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			2 web at												
			economi c family by Creating a web at market like a												
			liko o												
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			system												
			system .This												
			service												
			provide												
			online												
			online delivery												
			to all												
			product												
			to all product at												
			minimum payable cast. We are committe												
			payable												
			cast. We												
			are												
			committe												
			provide a												
			quality												
			product												
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	1		easy.			1									
	1		People			I						1	1		
	1		to increasin g the use of technolo gy that are fully committe d To make life easy. People use this facilit			1									
	1		facilit			I						1	1		
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22	Business Incubator	Incubatio n Unit	Digital Marketin	At all level	Both	3	1	2	Approve d					
	Center	ii Unit	Marketin g. (The purpose of digital marketin g is to use the. Digital technolo gies of the, internet	ievei					a					
			of digital											
			g is to											
			use the. Digital											
			technolo gies of											
			the , internet											
			to market the											
			products or											
			to market the products or services provided by the respects company to a wide range of consume rs. We											
			by the respects											
			company to a wide											
			range of consume											
			rs. We are											
			are creating a											
			dynamic audience											
			optimizer . which											
			a dynamic audience optimizer , which to use it google and face											
			and face											
			books ads conversi											
			ons with the use											
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			artificial intelligen ce.)											
			30. /											

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23	Business Incubator	Incubatio n Unit	"For Binnary Industrie s (Software publisher s often	At all level	Technical	25	4	5	Approve d						
	Center	n Unit	Industrie	levei					a						
			S (
			publisher												
			s often												
			license												
			from the												
			original												
			author- develope												
			rs with												
			specific												
			s. such												
			as a time												
			limit or												
			ical												
			region for												
			consider												
			license software from the original author-develope rs with specific limitation s, such as a time limit or geographical region for a royalty consider ation. The												
			The												
			licensing												
			vary												
			enormou slv. and												
			are												
			typically												
			The												
			author-												
			rs may												
			use												
			publisher s to												
			reach												
			larger or												
			markets.												
			terms of licensing vary enormou sly, and are typically secret.) (The author-develope rs may use publisher s to reach larger or foreign markets. Typically, the												
			publisher												
			will bear												
			the cost												
			of												
			entering												
			markets.							1					
			In return												
			the												
			the publisher will bear most of the cost of entering these markets. In return they pay the develope r an agreed												
			r an agreed												
			upon												
			agreed upon royalty payment.												
			payment.)"												
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24	Business Incubator Center	Incubatio n Unit	Data	At all level	Both	2	1	1	Approve d					
	Cerner	II OIIII	Decision (Data- driven	level					ď					
			decision making											
			(or DDDM)											
			is the process of											
			making organizat ional											
			ional decisions based on											
			actual											
			data rather than											
			intuition or											
			or observati on alone. Every industry today aims to be data-											
			industry today											
			be data-											
			driven.) (The role of data is											
			to empower business											
			l leaders											
			to make decisions based on											
			facts, trends and											
			statistical numbers.											
			But with so much informati											
			on out there,											
			l business											
			leaders must be able to											
			sift through the											
			noise, and get the right informati											
			informati											
			on, so that they can											
			make the best											
			decisions											

25	Business Incubator Center	Pre- incubatio	Ideas for New	At all level	Both	10	4	3	Approve d				
		n unit	India 2020 (Inviting Business Ideas For New India) Focus sectors (Agricultur e Aids for Mechanization and Boosting Agri Yield) (Agro Processing) (Environmental, Water, sanitation, Waste & Recyling) (Renewable Energy & Green Transportation) (Technology & Green Prevention Diagnosis) (Energy Efficiency & Automation for										
26	Business Incubator Center	Pre- incubatio n unit	SASACT -2020 (Scheme for Accelerat ing Start- ups around Post COID Technolo gy Opportun ities) (START UP INDIA:-MINISTR Y OF ELECTR ONICS AND INFORM ATION TECHNO LOGY)	UG / PG / PhD	Technical	15	5	6	Approve d				

Practical Carior Practical	27	Business Incubator	Pre- incubatio	DARE	UG / PG / PhD	Technical	22	1	1	Approve d					
In moved Consider Con		Center	n unit	DREAM	/ PhD					d					
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any of Dr AP AP AP AP AP AP AP AP AP AP AP AP AP A				n											
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any of Dr AP AP AP AP AP AP AP AP AP AP AP AP AP A				2.0' has											
any of Dr AP AP AP AP AP AP AP AP AP AP AP AP AP A				launched											
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Kalam. a vision of soil- refilance. The control of soil- scheme is being layor the d emerging technol of promote tha s stant ups for inforwatio dafense and aerospac technolo gles in country after the culture after the culture cu				APJ											
emerging technolo gies to promote thindividual s & start ups for innovalio defense and aerospac echnolo gies in the country all of Alma Nirbhar Bharat Bhara				Kalam,											
emerging technolo gies to promote thindividual s & start ups for innovalio defense and aerospac echnolo gies in the country all of Alma Nirbhar Bharat Bhara				a vision											
emerging technolo gies to promote individual s & start ups for innovatio defense and aerospac echnolo gies in the country addition defense all of Alma Nirbhar Bharat Bhar				reliance.											
emerging technolo gies to promote thindividual s & start ups for innovalio defense and aerospac echnolo gies in the country all of Alma Nirbhar Bharat Bhara				scheme is being											
emerging technolo promote the individual s & start with the individual s & start with the individual s & start with the individual s & start with the information in in defense and aerospac technolo gies in the call of Alma Nithhat B with the call of Alma Nithhat B with the call of Alma Nithhat B with the call of Alma Nithhat B with the call of Alma Nithhat B with the call of Alma Nithhat B with the call of Alma Nithhat B with the call of Alma Nithhat B with the call of Alma Nithhat B with the call of Alma Nithhat B with the call of Alma Nithhat B with the call of Alma Nithhat B with the call of Alma Nithhat B with the call of Alma Nithhat B with the call of Alma Nithhat B with the call of Alma Nithhat B with the call of Alma Nithhat B with the Call of Alma				I IOI											
gies to promote the promote th				emerging											
defense and adrospac e e technolo gies in the country after the call of Arma Nirbhar Bharat Gyeen by H Prime Minister. Dare to Dream 2.0 is an open challeng e to promote the country's limovator				gies to promote											
defense and adrospac e e technolo gies in the country after the call of Arma Nirbhar Bharat Gyeen by H Prime Minister. Dare to Dream 2.0 is an open challeng e to promote the country's limovator				the individual											
defense and adrospac e e technolo gies in the country after the call of Arma Nirbhar Bharat Gyeen by H Prime Minister. Dare to Dream 2.0 is an open challeng e to promote the country's limovator				s & start ups for											
and aerospac e technolo gies in the country after the call of Atma Nirbhar Bharat given by Honbie Prime Minister. Dare to Dream 2.0 is an open challeng e to primote the chall				innovatio n in											
Dare to Dream 2.0 is an open challeng e to promote the country's innovator s and				and											
Dare to Dream 2.0 is an open challeng e to promote the country's innovator s and				aerospac e											
Dare to Dream 2.0 is an open challeng e to promote the country's innovator s and				gies in											
Dare to Dream 2.0 is an open challeng e to promote the country's innovator s and				country											
Dare to Dream 2.0 is an open challeng e to promote the country's innovator s and				call of											
Dare to Dream 2.0 is an open challeng e to promote the country's innovator s and				Nirbhar Bharat											
Dare to Dream 2.0 is an open challeng e to promote the country's innovator s and				given by Hon'ble											
Dare to Dream 2.0 is an open challeng e to promote the country's innovator s and				Prime Minister.											
promote the country's innovator s and				Dare to Dream											
promote the country's innovator s and				2.0 is an open											
promote the country's innovator s and				challeng e to											
country's innovator s and				the											
l l sand l l sand l l l l l l l l l l l l l l l l l l l				country's innovator											
The				l s and											
				The winne											

28	Business Incubator	Pre-	aws	UG / PG / PhD	Technical	35	2	18	Approve d					
	Center	Pre- incubatio n unit	aws Campus Fund present GRAND CHALLE NGE (Welcome to the first	/ PhD					d					
			present GRAND											
			CHALLE NGE (
			Welcome											
			first											
			edition of Grand Challeng e (GC), launched											
			Challeng											
			launched											
			Amazon											
			Services											
			(AWS) and											
			Campus Fund											
			(CF) - India's											
			very own											
			by Amazon Web Services (AWS) and Campus Fund (CF) - India's very own Dorm Room Fund. GC has been instituted											
			GC has											
			instituted											
			to promote											
			promote and build the											
			nacaccar											
			y ecosyste m for Student Entrepre neurship in India.											
			Student											
			neurship											
			I ITS											
			objective is to											
			transform the entrepre neurial											
			entrepre neurial											
			ecosyste m in India,											
			India, such that											
			such that starting a company becomes											
			becomes											
			an attractive											
			attractive and achievabl e path for enterprisi ng Indian students; aligning with the Nati											
			e path for enterprisi											
			ng Indian students											
			aligning with the											
			Nati											

29	Business Incubator Center	Pre- incubatio n unit	Ed-Tech	UG / PG / PhD	Both	55	30	12	Approve d					
	Gonie.	n unit	Ed-Tech Virtual Boot camp 2020 The onset and effect of Covid-19 has left very few sectors, if any, unaffecte d. In the midst of this	,										
			2020 The onset											
			effect of Covid-19											
			has left very few											
			sectors, if any,											
			d. In the midst of											
			this pandemi											
			pandemi c, Ed- Tech entrepre											
			entrepre neurs have											
			found opportuni											
			chaos. The											
			have found opportuni ty in chaos. The budding popularit y of online learning, further necessita ted due to the nationwid e											
			online learning,											
			further necessita											
			to the											
			e lockdown has											
			provided a major											
			provided a major push to the											
			sector in India,											
			sector in India, making it one of the fastest growing sectors. With the											
			fastest growing											
			With the sector											
			sector booming, investors											
			have pumped in \$795											
			have pumped in \$795 million in the first half of 2020 compare d with \$108 mil											
			half of 2020											
			d with \$108 mil											
			1 +					l						

30	Business Incubator Center	Pre- incubatio	"Pitch- deck	UG / PG / PhD	Both	30	2	1	Approve d				
	Center	incubatio	deck	/ PhD					d'				
		n unit	review worksho										
			worksho										
			p for										
			Startups										
			p for Startups This worksho										
			worksho										
			p intensive will walk										
			mill walk										
			WIII Walk										
			through										
			the										
			creation										
			of your										
			best										
			Pitch										
			Deck.										
			This is										
			not your										
			usuai "toko										
			will walk you through the creation of your best Pitch Deck. This is not your usual "take notes"										
			worksho										
			notes" worksho p. You know the										
			know the										
			I ones										
			where										
			where you try to absorb										
			absorb										
			as much informati										
			on as										
			VOLLCAN										
			on as you can in the										
			hour long										
			hour long session, but when										
			but when										
			you get started on your own, you don't										
			started										
			on your										
			own, you										
			know										
			where to										
			know where to start. In this										
			this										
			worksho p you will receive all the informati										
			p you will										
			receive										
			all the										
			on and										
			on and tools you will need. Mr. Bharat Thakkar, Mentor, will walk										
			will need										
			Mr.										
			Bharat										
			Thakkar,										
			Mentor,										
			will walk										
			you										
			through										
			all										
			curated										
			process										
			you through an expertly curated process of										

31	Department of Computer Applications	Academi c Departm ent with lab facility	To train students in IT enabled technolo gies and concept so that they can develop computer based applications		Technical	47	9	2	Approve d				
32	Information Technology	Researc h Unit / Park	To provide supportive knowledge for Innovation Workshops are conducted. Under AICTE-ISTE refresher program workshops is scheduled titled Data Science Analytics and Visualization Tools	UG / PG / PhD	Technical	100	25	4	Approve d				

34	Information Technology	Industry Institute Interface Unit	1. HP Certificat e (Training) a global certificati	UG / PG / PhD	Technical	350	35	3	Approve d					
		Unit	a global certificati on											
			program conducte d to train											
			certify students to											
			develop technolo gy skills											
			Microsoft imagine Academi											
			c (MTA and MOS)											
			industry recogniz ed											
			e cum training											
			conducte d ,3. TCS Training											
			worksho ps FDPs and											
			student develop ment											
			are conducte d in											
			on with TCS4. IBM											
			Training partner,I BM											
			tools are used .IBM											
			trainings are conducte											
			on program conducte d to train and certify students to develop technolo gy skills ,2. Microsoft imagine Academi c (MTA and MOS) Two industry recogniz ed certificat e cum training program conducte d,3. TCS Training Partner worksho ps FDPs and student develop ment programs are conducte d in associati on with TCS4. IBM Training partner,I BM Llcensed tools are used JBM trainings are conducted d by company officials .5. Automati on Anywher e,5. Board of Study Mem											
			Automati on Anywher e.5.											
			Board of Study Mem											

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35	Information Technology	IPR Cell / Patent Facilitatio n Unit / Technolo gy Transfer Centre	Bhagwati Charan Patel, Key barrier in the growth of engineeri ng educatio n in Chhattisg arh stae: a fuzzy kano and TISM integrate d approach , amount 1.00 lakh The research activity is supporte d by various Funds from external and internal resource.	UG / PG / PhD	Technical	50	6	2	Approve d					
36	Information Technology	IPR Cell / Patent Facilitatio n Unit / Technolo gy Transfer Centre	Latika Pinjarkar, Design and impleme ntation of image retrieval system for trademar k/ logo image for registrati on, amount 1.50 lakh.The research activity is supporte d by various Funds from external and internal resource.	UG/PG /PhD	Technical	50	20	2	Approve d					

37	Information Technology	IPR Cell / Patent Facilitatio n Unit / Technolo gy Transfer Centre	i e		Technical	10	8	2	Approve d				
38	Information Technology	Centre of Excellen ce with Advance Tools & Equipme nt	1.Grant-in-Aid under Moderniz ation and removal of Obsolece nce (MODRO B).A well establise d infratruct ure with recent technolo gy is ehnced with the center of excellenc e of MODRO B AICTE.	UG/PG/PhD	Technical	309	26	2	Approve d				

Liot air t	ne departments	/ OCHICL.	o / unito	are part	or minovation t	ana Stan	up coos	y Sterri Or	the motitie				
39	Information Technology	Centre of Excellen ce with Advance Tools & Equipme nt	Hitech lab, Digital screen smart board, DLPs,AI and ML tool UG/PG/P hD. A well establise d infratruct ure with recent technolo gy is ehnced with the center of excellenc e of MODRO B AICTE.	UG / PG / PhD	Technical	309	25	2	Approve d				
40	Information Technology	Academi c Departm ent with lab facility	Compute r Lab and 01 Researc h Lab (Lenovo Commer cial Desktop, Core 1.3/7th GEN/ 8 GB RAM, 1TB HDD. Key Board. Optical Mouse. 19.5" LED Monitor). Laborato ry for accessin g the learning and events to brush-up the skill are supporte d by this unit	UG / PG / PhD	Technical	309	25	2	Approve d				

	ne departments			ar o pon t			u.p • • • •	,						
41	Department of Applied Physics	Researc h Unit / Park	PhD are getting done, projects are getting sanction ed, Conferen ces are being organize d, and research papers are publishe d in the reputed journals, students are getting benefited to promote the innovatio n.	UG / PG / PhD	Both	65	22	1	Approve d					
42	Department of Applied Physics	IPR Cell / Patent Facilitatio n Unit / Technolo gy Transfer Centre	Though the conferen ces, training courses, invited talks and with research collabora tions the technolo gy of materials science if being transferr ed to promote in the innovatio n.	UG / PG / PhD	Both	43	27	1	Approve d					

List air	ne departments	, conton	3 / urints	are part	or innovation	una Start	up ccos	y Sterii Oi	the motitie				
43	Department of Applied Physics	Centre of Excellen ce with Advance Tools & Equipme nt	In Computa tional Materials Modeling & Materials Science advance d tolls based on density funcation al theory are being used to promote the research students and in the innovation	UG / PG / PhD	Both	46	10	1	Approve d				
44	Department of Applied Physics	Academi c Departm ent with lab facility	DFT based software run in the Computa tional Lab to perform simulatio n in the materials science, Materials are prepared and character ized in the Materials Characte rization Lab & in the Materials Preparati on Lab to promote the innovatio n activities	UG / PG / PhD	Both	40	10	1	Approve d				

45	Faculty of			At all level	Technical	1	1	1	Approve					
	Faculty of Pharmaceutical Sciences	IPR Cell / Patent Facilitatio n Unit / Technolo	IPR cell in institute	level					d					
		n Unit / Technolo	promotin											
		gy Transfer	g students											
		Centre	and faculties											
			to go for patent by											
			and faculties to go for patent by providing helping hand for											
			hand for											
			firms and											
			s working											
			nally for											
			meeting firms and individual s working professio nally for filing patents and other											
			legal documen											
			tations.											
			tations. Which excels											
			the work of technolo											
			gy											
			gy transfer to the											
			world possible,											
			thus promotes culture of											
			culture of research											
			research and standard											
			standard optimizati on in the											
			pharmac											
			eutical field.											

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46	Faculty of Pharmaceutical Sciences	Pre-incubation unit	Pre- Incubatio n cell is working all day round to improve the knowledg e, skill and inculcatin g professio nal etiquette s in every individual of the institute and other institute through organisin g conferen ces, worksho ps, webinars etc. most of them are sponsore d by governm ent bodies like, AERB, CGCOS T, DST, NCSTC, etc.	Technical	1000	15	8	Approve					

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47	Faculty of Pharmaceutical Sciences	Incubatio n Unit	Entrepre neurship Cell is working contineo usly to train and guide the individual s to the working machiner y of hospitals and medical store.	At all level	Technical	174	3	2	Approve d							
	Sciences	n Unit	neursnip Cell is	ievei					l a							
	Ocicioco		working													
			contineo													
			usly to													
			train and													
			individual													
			s to the													
			working													
			machiner													
			hospitals													
			and													
			medical													
			store,													
			make													
			store, and to make them													
			understa nd their													
			nd their													
			role as pharmaci st. They													
			st. They													
			are providing hands-on training to make													
			providing hands-on													
			training													
			to make													
			them													
			this may													
			ease the													
			routes for													
			these													
			to make them aquire it. this may ease the routes for these individual s to avail suitable													
			suitable													
			jobs or to create it for others													
			for others													
			hv													
			by becomin													
			g entrepre neurs by themselv													
			entrepre													
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48	Electrical and Electronics Engineering	Industry Institute Interface Unit	The Innovation and Entrepre neurship Development Centres (IEDC) are platforms set up mainly in Engineering, Arts & Science Colleges and Polytechnics with an aim to provide students an opportunity to innovate and experiment.	At all level	Both	50	2	2	Approve				
49	Electrical and Electronics Engineering	Industry Institute Interface Unit	The Institution of Engineers (IEI-India) is a statutory body to promote and advance the engineering and technology.	At all level	Both	17	3	3	Approve d				

50	Electrical and Electronics Engineering	Industry Institute Interface Unit	IEEE Student Chapter :-This units provide unique opportuni ties for members to attend technical presentat ions, create strong peer-to- peer connecti ons, and participat e in leadershi p opportuni ties that can make a positive distinctio n in IEEE members ' jobs and careers.	At all level	Both	23	2	2	Approve					
51	Electrical and Electronics Engineering	Researc h Unit / Park	A Collabor ative research project on Design of Electric hand Glove Communication Process for blind and deaf People	At all level	Both	1	1	1	Approve d					
52	Electrical and Electronics Engineering	Researc h Unit / Park	A Collabor ative research project on Design and Impleme ntation of a micro Grid energy manage ment system	At all level	Both	1	2	2	Approve d					

	ile departifients	/ OCITION	o / arrito	are part	or minovation t	and Start	up coos	y Sterii Or	the motiti	10				
53	Electrical and Electronics Engineering	Researc h Unit / Park	A Collabor ative research project on Design of Solar based efficient hybrid electric Vehicle	At all level	Both	1	2	2	Approve d					
54	Electrical and Electronics Engineering	Researc h Unit / Park	A Collabor ative research project on Performa nce Enhance ment of Micro inverting Solar PV Power Generati on using Passive Filters	At all level	Both	1	2	2	Approve d					
55	Electrical and Electronics Engineering	Researc h Unit / Park	A Collabor ative research project on "Conditio ning Monitorin g of Power Transfor mer using Dissolve d Gas"	At all level	Both	1	2	2	Approve d					
56	Electrical and Electronics Engineering	Centre of Excellen ce with Advance Tools & Equipme nt	Electrical and Electroni cs:- Siemens Centre of Excellen ce It is a well equiped lab which focus in the field of automati on and drives. It aims at bridging the gap between industry and academi a.	At all level	Technical	150	35	35	Approve d					

					or minovation (,		 			 	
57	Computer Science and Engineering	Centre of Excellen ce with Advance Tools & Equipme nt	By this parteners hip AWS Educate, students and educator s have access to content and programs develope d to skill up for cloud careers in growing fields. AWS Educate also connects compani es hiring for cloud skills to qualified student job seekers with the AWS Educate Job Board.	At all level	Technical	550	3	3	Approve					
58	Computer Science and Engineering	Centre of Excellen ce with Advance Tools & Equipme nt	By this parteners hip students know that how Human and machine—each on their own—wo n't be enough to drive business es in the coming decades. Tomorro w's leading enterpris es will be those that know how to meld the two effectivel y.	At all level	Technical	250	3	1	Approve					

59	Computer Science and Engineering		In this partnersh ip CISCO represent ative delivers authorize d training to support Cisco's core technolo gies and career certificati ons for our students.		Technical	46	2	1	Approve d				
60	Computer Science and Engineering	Centre of Excellen ce with Advance Tools & Equipme nt	Students and Faculties will learn Linux. In this theoretic al and practical knowledg e of Linux will be provided. This will help our students and Faculties to appear in Certificati on program. This will help our students in employability.	At all level	Technical	200	4	1	Approve				

61	Computer Science and Engineering	Academi	Each	At all level	Both	25	5	1	Approve d				
	and Engineering	С	l worksho	level					la'' l				
		Departm ent with	p will require faculty member to be										
		ent with	require										
		lah	faculty										
		lab facility	mambar										
		lacility	member										
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			coordinat										
			or will be										
			responsi ble for										
			ble for										
			liaison										
			with IIT										
			Bombay faculty for that subject, and will										
			faculty										
			for that										
			cubiact										
			and will										
			and will										
			conduct the lab										
			the lab										
			and				1						
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			help our students				1						
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62	Computer Science and Engineering	Academi c Departm ent with lab facility	Students and Faculties will learn advance technolo gy. In this theoretic al and practical knowledg e of advance technolo gy will be provided. This will help our students and Faculties to appear in Certificati on program. This will help our students in employ-ability.	At all level	Both	392	2	1	Approve					
63	Computer Science and Engineering	Researc h Unit / Park	Students and Faculties will do their research work.	At all level	Technical	5	22	2	Approve d					
64	Computer Science and Engineering	Centre of Excellen ce with Advance Tools & Equipme nt	Students and Faculties will learn advance technolo gy. In this theoritica I and practical knowledg e of advance technolo gy will be provided. This will help our students and Faculties to appear in Certificati on program. This will help our students in employability.	UG / PG / PhD	Technical	20	2	1	Approve					

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65	Computer Science and Engineering	Academi c Departm ent with lab facility	It will help our students to learn technolo gy and their impleme ntations for the society. This will help our students in employability.	UG / PG / PhD	Technical	5	1	1	Approve d						
66	Computer Science and Engineering	Academi c Departm ent with lab facility	It will help our students to learn technolo gy and their impleme ntations for the society. This will help our students in employability.	UG / PG / PhD	Technical	20	1	1	Approve d						
67	Computer Science and Engineering	Academi c Departm ent with lab facility	It will help our students to learn technolo gy and their impleme ntations for the society. This will help our students in employability.	UG / PG / PhD	Technical	25	1	1	Approve d						
68	Computer Science and Engineering	Industry Institute Interface Unit	Compute r Science an d Engg. Dept.	UG / PG / PhD	Technical	20	10	1	Approve d						

69	Computer Science and Engineering	Academi c Departm ent with lab facility	It will help our students to learn technolo gy and their impleme ntations for the society. This will help our	At all level	Both	15	5	1	Approve d				
			help our students in employ- ability.										

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70	Computer Science and Engineering	IPR Cell /	The	At all	Technical	4	4	1	Approve d					
	and Engineering	Patent	present	level					d					
		Facilitatio	invention											
		n Unit /	relates to											
		Technolo	a system for traffic											
		gy Transfer	manage											
		Centre	ment											
			system.											
			system. The											
			object of											
			the											
			proposed invention											
			is to											
			provide a											
			system											
			for traffic density											
			flow											
			control											
			and to											
			detect											
			the traffic violations											
			violations											
			automati											
			cally.The preferred											
			embodim											
			ent can											
			detect the traffic											
			density											
			density and flow											
			control,tr affic											
			affic											
			violations such as											
			vehicle											
			runnina											
			running red											
			lights,											
			speeding control											
			and no											
			parking											
			zone and											
			then											
			track moving											
			vehicles											
			by using RFID											
			RFID											
			reader,											
			ultrasoni c											
			sensors											
			and											
			RFID											
			tag. A complete traffic											
			traffic											
			violation											
			det											

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71	Electronics and	Pre- incubatio	Project	At all	Technical	175	32	9	Approve d					
1	Electronics and Telecommunication	incubatio	Project Lab: The Project Laborato	At all level			02	ľ	d l					
		n unit	Project											
			Laborato											
			ry offers the											
			the											
			students,											
			the											
			opportuni											
			yaluahla											
			hands-on											
			experien											
			ce with											
			state-of-											
			opportuni ty to gain valuable hands-on experien ce with state-of- the-art											
			environin											
			ent							1				
			where students become proficient in both							1				
			hecome											
			proficient											
			in both											
			the physical and											
			physical											
			and											
			creative skills											
			in the											
			field of											
			Electroni											
			cs and											
			Commun											
			ication											
			Engineeri											
			ng. The											
			Lahorato											
			rv has a											
			needed in the field of Electroni cs and Commun ication Engineeri ng. The Project Laborato ry has a key role in							1				
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			g practical learning experien							1				
			learning							1				
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			ce, a							1				
			ce, a place where							1				
			where							1				
			they							1				
			they develop creative proposal s, and execute their final							1				
			proposal							1				
			biohosai							1				
			execute				1			1				
			their final				1			1				
			projects.							1				
			• •									l		

72	Electronics and Telecommunication	Industry Institute Interface Unit	To improve	At all level	Technical	120	8	2	Approve d					
		Interface Unit	improve the quality of technical educatio											
			educatio n adequate											
			n adequate ly to meet the needs of											
			the Industry, society and											
			economy											
			Technica											
			educatio n system should operate											
			operate at optimum efficiency and											
			good quality											
			snould produce good quality engineer s' who will deliver quality product to											
			quality											
			employer s. To optimize the deploym ent of physical and human											
			the deploym											
			physical and											
			resource s of Institutio											
			ns and											
			s in the pursuit of develop ment of technical											
			ment of technical manpow											
			er & to enlist participat											
			manpow er & to enlist participat ion of industry in technical educatio											
			technical educatio											
			n program mes, with											
			a view to ha											

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73	Electronics and Telecommunication	Academi c Departm ent with lab facility	The laboratori es have state-of-the-art equipme nt like Spectru m Analyser s, Digital Storage Oscillosc opes, High Frequenc y CRO and Radio Frequenc y Signal Generato rs and Software tools like MATLAB MultiSim, LabView etc. The departme nt is involved in a number of technical and co-curricular activities encouraging students to broaden their horizons of		Technical	350	32	2	Approve				
			horizons of thought, innovate and impleme nt their ideas.										

	ine departments						10.10	,					
74	Information Technology	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Worksho p on Women Empower ment: Awarene ss on Safety and Legal Issues, A one-day worksho p was organize d by department of IT under TEQIP cell of CSVTU Bhilai in the Sri Shankar acharya Technica I Campus, Bhilai on the subject of "Women Empower ment :Awarene ss on Safety and Legal Issues", in collabora tion with Durg Police department to unit for Crime Against Women (IUCAW) on 28th Aug.19	At all level	Non-Technical	120	25	2	Approve				
			Int and Integrate d unit for Crime Against Women (IUCAW) on 28th Aug 19										

75	Information	i			Non-Technical	100	25	2						
	Information Technology	IPR Cell / Patent Facilitatio n Unit / Technolo	SSGI Bhilai in	UG / PG / PhD					Approve d					
		n Unit /	associati on with TEQ-IP											
		gy Transfer	III, CSVTU											
		Centre	program Conduct											
			l ed one											
			day Worksho											
			p on "Motivati											
			on &											
			ip Skills"											
			Aug.19.											
			The Speakers											
			were Mr. Rishikant											
			Prasad from IIM,											
			on & Leadersh ip Skills" on 31st Aug.19. The Speakers were Mr. Rishikant Prasad from IIM, Kolkata and Mr. Rajendra Kumar from IIM, Ahemda											
			Rajendra Kumar											
			from IIM, Abemda											
			bad. This worksho											
			worksho											
			p provided a goal oriented											
			oriented											
			and systemati c											
			approach for											
			continuo											
			us motivatio											
			n in the study as											
			us motivatio n in the study as well as to achieve a specific goal in life.											
			a specific											
			life.											

								ĺ					
76	Information Technology	Industry Institute Interface Unit	Industrial Visit to the 36 INC CHIPS Raipur,(s tart up support unit) Students visited the MACHIN E ROOM of the industry and studied the working machine s such as CNC router wood cutting, Nonmeta Ilic laser cutter- plastic cutter key ring, Laser Engraver and Vinyl cutter etc.	UG / PG / PhD	Technical	70	6	2	Approve				
77	Information Technology	Industry Institute Interface Unit	Alumini Interaction Program: Alumni (Enterpre neurs interacte d with students to share their expoerie nce and encourag e startup ideas. Alumni share market trends with current students and online sessions were conducte d to guide existing students	UG / PG / PhD	Technical	30	10	6	Approve				

78	Information Technology	Industry Institute Interface Unit	Spoken Tutorial: Spoken Tutorial is a multi- award winning educatio nal content portal. Here one can learn various Free and Open Source Software all by oneself. Our self- paced, multi- lingual courses ensure that any body with a computer and a desire for learning can learn from any place, at any time and in a language of their choice.	At all level	Technical	70	25	2	Approve d					
79	Information Technology	Industry Institute Interface Unit		UG / PG / PhD	Technical	150	16	2	Approve d					

	ne departments	7 00111011	o / aiiito t	aro part	or minovation (arra otari	ир оооо	y otomi o	tilo motitito				
80		Industry Institute Interface Unit	hackatho n is a design sprint-like event; often, in which computer program mers and others involved in software develop ment, including graphic designer s, project manager s, domain experts, and others collabora te intensivel y on software projects.	UG / PG / PhD	Technical	80	12	2	Approve d				
81	Information Technology	IPR Cell / Patent Facilitatio n Unit / Technolo gy Transfer Centre	State- level quiz competiti on was conducte d by the Departm ent of Informati on Technolo gy on 28th Septemb er 2019 under Student Chapter	UG / PG / PhD	Technical	80	12	2	Approve d				

		,			or minovation t		<u> </u>	,						
82	Department of mechanical Engineering	Researc h Unit / Park	Ajay KumarVe rma Collabor ativeProj ect, Fabricati on and Analysis of Hybrid Composit e Reinforc ed with Fiber and Particulat e Both, TEQIP-III CSVTU, Bhilai, Rs. 2,89,000.	UG / PG / PhD	Technical	2	2	2	Approve d					
83	Department of mechanical Engineering	Researc h Unit / Park	Vikky Kumhar Collabor ativeProj ect, Design, testing and evaluatio n of a novel transplan ting mechani sm in manual rice transplan ter for improved performa nce, TEQIP-III CSVTU, Bhilai Rs. 2,86,000. 00	UG / PG / PhD	Technical	2	2	2	Approve d					
84	Department of mechanical Engineering	Researc h Unit / Park	Dr Lakshma n Sondhi, Develop ment of functiona lly graded material and mechani cal objects disk and plate. CRP/TE QIP- III/95 Date 05/09/20 19, Rs. 200,000. 00	UG / PG / PhD	Technical	2	2	2	Approve d					

List air t	ne departments	7 CCIIICI			or minovation (and Start	up ccos	y Sterri Or	the mount	i				
85	Department of mechanical Engineering	IPR Cell / Patent Facilitatio n Unit / Technolo gy Transfer Centre	"A FORDAB LE WALL HUNG COMMO DE SYSTEM	UG / PG / PhD	Technical	3	3	2	Approve d					
86	Electrical and Electronics Engineering	Academi c Departm ent with lab facility	The Electrical & Electroni cs Engineeri ng Departm ent at SSTC Bhillai has been active in teaching and research, it is equipped with the latest experime ntal and computat ional facilities. Control system lab, simul ation lab , research lab , automati on and drives lab , with latest state of art facilities contribut e towards producin g well learned engineer s.	UG/PG/PhD	Technical	445	29	2	Approve					

Liot air t	no aoparamento	/ OCTION		are part	oi illilovation a	and Start	up coos	y Stelli Ol	the motitie				
87	Electrical and Electronics Engineering	Researc h Unit / Park	It consists	UG / PG / PhD	Technical	445	35	2	Approve d				
	Engineering	Рагк	It consists of following facilities: 1. Flash point and free point testing of Transfor mer oil. 2. Dissolve gas analysis 3. Testing breakdo wn strength of transform er oil. 4. Testing of tan delta transform er oil. 5. Energy meter testing										
88	Department of mechanical Engineering	Researc h Unit / Park	Dr. Ajay Kumar Verma:- Evaluatio n of Vibration Characte ristics of Partially Cracked Symmetri c Laminate d Orthotrop ic Hybrid Composit e Plates	UG / PG / PhD	Technical	2	2	1	Approve d				
89	Department of mechanical Engineering	Researc h Unit / Park	Dr. Ajay Kumar Verma An Analytica I Approac h for Solution of Vibration of Partially Cracked Thin Orthotrop ic Plates	UG / PG / PhD	Technical	2	2	1	Approve d				

90	Department of mechanical Engineering	IPR Cell / Patent Facilitatio n Unit / Technolo gy Transfer Centre	Dr Lakshma n Sondhi "CONCO RDANT SYSTEM AND APPARA TUS FOR SECURI NG SUBME RSIBLE PUMPS" SUBIN- DLDL821 5030487 5462192 5464P	UG/PG /PhD	Technical	2	2	1	Approve d				
91	Electronics and Telecommunication	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Copyrigh ts Details: Swagota Bera-A DWT Feature based blind Steganal ysis in Transfor m Domain, With Registrati on no SW- 11917/20 18. Dr. Monisha Sharma: A DWT Feature based blind Steganal ysis in Transfor m Domain, With Registrati on no SW- 11917/20 18. Patent Gratente d: Ravi Tiwari- LSM- Quantum Computi ng: LARGE DATABA SES	At all level	Technical	2	3	1	Approve				

					1	i							
92	Electrical Engineering	Centre of Excellen ce with Advance Tools & Equipme nt	•IN area of Incentive s, skill-upgrade, and professio nal advance ment departme nt has organize d various under centre of excellenc e with Handson training in Siemens Drives in which traing has provided in various Power Electroni cs Trainer kits together with Practical training on Solar Panels.	UG / PG / PhD	Technical	30	3	1	Approve d				
93	Electrical Engineering	Centre of Excellen ce with Advance Tools & Equipme nt	•Manual as well as hand-on training on Machine lab and High voltage (150 KV) equipime nts are provided to students from outside(A.M.I.E)	UG / PG / PhD	Technical	5	2	1	Approve d				

94	Electrical Engineering	Industry Institute Interface Unit	•Departm ent has organize d a industry institute visit to Vizag steel plant in which graduate s are made aware to the manufact uring process and other	UG/PG /PhD	Technical	50	2	1	Approve d				
			uring process and other generatin g options.										

	ne departments			0	·		p 0000	,				·	·		
95	Computer Science	IPR Cell /	Accordin	At all	Both	6	2	1	Approve d	1					
"	Computer Science and Engineering	Patent Facilitatio	gly following invention provides an IoT enabled	level		ľ	~	Ι'	d	I			1		
		Facilitatio	following	.0.0.					-						
		n Unit / Technolo	invention												
		Technolo	provides												
		av	an IoT												
		gy Transfer	enabled												
		Centre	smart												
		Centre	hiko												
			bike. Herein												
			the												
			the												
			robust GPS technolo												
			toobnolo												
			technolo												
			gyıs												
			used to												
			track the												
			on spot				1			1			1		
			gy is used to track the on spot current location of 15 the bike and provides]		1			I			1		
			location]		1			I			1		
			of 15 the												
			bike and												
			provides												
			easy to												
			use												
			virtual												
			key for												
			controllin												
			easy to use virtual key for controllin g the bike and												
			bike and												
			all its features.												
			reatures.												
			Arduino												
			IDE usea												
			tor												
			Arduino IDE used for coding which is required												
			which is												
			requirea												
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			operation s while driving the bike. Accelero meter used to		1					I			1		
			s wniie				1			1			1		
			ariving				1			1			1		
			the bike.				1			1			1		
			Accelero				1			1			1		
			meter				1			1			1		
			used to				1			1			1		
			monitor the bike inclinatio				1			1			1		
			the bike				1			1			1		
			inclinatio				1			1			1		
			n. If the inclination n limit is				1			1			1		
			inclinatio]		1			I			1		
			n limit iş				1			1			1		
			crossed,				1			1			1		
			crossed, then the buzzer				1			1			1		
			buzzer				1			1			1		
			starts.				1			1			1		
			l		1		1		l		·		·		

96	Department of mechanical Engineering	Industry Institute Interface Unit	Departm ent of mechani cal organize d fivedays of worksho p on "Fundam entals of Composit es: Manufact uring, testing and Analysis (FCMTA) In Associati on with Central institute of plastic Engineering & Technolo	UG / PG / PhD	Technical	100	17	3	Approve				
			Engineeri ng & Technolo gy, Raipur C.G.										

Liot air t	ine departments	7 00111011	or armed t	aro part	or minovation	una otan	up oooo	y otom or	tilo illotitito				
97		Industry Institute Interface Unit	Departm ent of mechani cal organize d seven days SSTP on "Multi- objective optimizati on Methods for Engineeri ng and Scientific Applicati ons" The objective of this program is explore the multi- objective optimizati on and their applicatio ns in	UG/PG/PhD	Technical	100	17	2	Approve d				
			industrie s for quality improve ment and offline control of any product or process. The main focus the program will be on the includes manufact uring, HVAC, transform ation etc. This program will also discuss theoretic al and practical										

S8 APPLIED MATHEMATICS MATHEMATICS Polit P	or an t	ne departments			or minovation	ana stan	up 5005	, 5.5111 01					
looking for			Researc h Unit /	Celestial Mechani cs and Dynamic al Astrono my is the science devoted to the study of the motion of the celestial bodies on the basis of the laws of gravitatio n. The problem of three bodies represent s one of the few cases in the celestial mechani cs where the applicability of the general case is less than that of a special version. Effects of radiation and triaxiality of primaries in elliptical restricted three has									
turther				been analyzed and looking for further research.									

containm ent of ranges of the involved mapping besides an appropria te contracti on	99	APPLIED MATHEMATICS	Researc h Unit / Park	Fixed Point Theory generally involves condition of commuta tivity, continuity , complete ness and suitable	UG / PG / PhD	Technical	1	1	1	Approve d				
. I condition I I condition I I I I I I I I I I I I I I I I I I I				complete ness and suitable containm ent of ranges of the involved mapping besides an appropria te contracti										

									i i				
100	APPLIED MATHEMATICS	Researc h Unit /	Game	UG / PG / PhD	Technical	2	1	1	Approve d				
	MATHEMATICS	h Unit /	theory	/ PhD					d				
		Park	covers										
			much wider										
			wider										
			area										
			such as										
			national and										
			internatio										
			nal										
			politics										
			politics, manage										
			l ment										
			science,										
			science, economi cs and										
			cs and										
			business problems										
			problems										
			, educatio										
			n										
			n, sociology										
			,										
			psycholo gy, optimizati on theory etc. We										
			gy,										
			optimizati										
			on theory										
			etc. We										
			intend to study, analyze, develop and										
			Siddy,										
			develon										
			and										
			Introduce										
			the notion of										
			notion of										
			fuzzy games, its set										
			games,										
			Its set										
			theoretic										
			and to										
			correlate										
			approach and to correlate it with the										
			classical										
			classical theory. We also										
			We also										
			propose to study and analyze cooperati ve, non- cooperati ve										
			and										
			analyze										
			cooperati										
			ve, non-										
			cooperati										
			ve										
			games and their fuzzificati on. Most										
			and their										
			on Most										
			recent										
			recent develop										
			ments										
			ments shall be surveyed and										
			surveyed										
			and										
			studied in										
			ın										
			l .		l .		-	-		 	 		

101	Humanities Department	Academi c	Languag	At all level	Both	250	5	2	Approve d				
		Departm ent with lab	Languag e Lab having ETNL										
		facility	software with 60										
			Lenovo Think Centre										
			desktop dual core ES700/2 GB DDR-										
			GB DDR-										
			3 Ram 320 GB HDD										
			Keyboar d/ optical mouse/1 8.5 TFT										
			Screen/S										
			oung USB Port and 60										
			Head										
			sets with MIC										

102	Humanities Department	Centre of	It is a	At all	Both	250	5	2	Approve d				
	Department	Excellen ce with Advance	technolo gical aid for	level					d				
		Advance Tools &	Llearning										
		Tools & Equipme nt	and has a number of										
			of advance										
			d facilities										
			that can										
			that can help the students										
			BE/MBA/										
			from BE/MBA/ MCA/PH ARMAC Y/FINE ARTS.										
			ARTS.										
			the art of										
			Listening										
			Speaking ,										
			Reading and Writing (LSRW) skills.										
			Writing (LSRW)										
			skills. The lab										
			The lab provides a rich										
			environm ent to										
			learn the language and a										
			and a										
			new outlook for the										
			students										
			support themselv										
			es at the onset.										
			onset. This software										
			also										
			also helps the final year students										
			from										
			various streams										
			to prepare themselv es for										
			themselv es for										
			placeme										
			nts.										

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103	Training and placement Department	Industry Institute Interface Unit	"Emergin g Trends in Digital World" Experts from Tata Motors were invited to interact with students and make them aware of the Digitizati on trend which will help the students to cope up with coming scenario.	At all level	Both	100	5	2	Approve d					
104	Training and placement Department	Industry Institute Interface Unit	Lt Comman der Mr Pratikk Bhattach arjee "Indian Navy Awarene ss Talk" . This session was organize d to motivate the students to join the defiance forces to make their respecte d careers. With this help they can fulfill all their professio nal expectati ons by choosing a career of challeng es and adventur e as an officer in defense.	At all level	Technical	500	10	3	Approve					

405	i												
105	Training and placement	Industry Institute	Scientist from BARC training centre,T. S Dhami & R. S	At all level	Technical	200	10	2	Approve				i l
	Department	Interface	BARC	levei					u				i l
	2 opartimont	Unit	training										i l
			centre,T.										i l
			S Dhami										i l
			Verma										ı l
			interacte d with										i l
			d with										ı l
			the students										ı l
			in										ı l
			in "Career										ı l
			Prospect s in Departm ent of Atomic										ı l
			Departm										ı l
			ent of										ı l
			Atomic										ı l
			Energy".										ı l
			Energy". This helped the students										ı l
			the										ı l
			students										ı l
			support of										ı l
			innovatio	1									ı L
			innovatio n in the	1									
			utilization	1									ı l
			utilization of Atomic Energy.	1									ı l
			Liloigy.										

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106	Training and placement Department	Industry Institute Interface Unit	Appstone , Nextstac ks in associati on with SSGI organize d Three days worksho p on program ming language s like Android App Develop ment, Python, React JS. This worksho p was organize d to make the students industry ready with the latest language s which are existing in industry and will contribut e towards innovatio	Technical	100	4	2	Approve d					
			e towards innovatio n.										

	•				<u> </u>			,		1				
107	Training and placement Department	Incubatio n Unit	36 Inc in collabora tion with Incubation centre organize d an "Entrepre neurship Awarene ss Program me" This awarene ss program me helped the students to develop the ability and readines s to organize and run a business enterprise will contribut e towards promotion and support of innovation in entrepre neurship.	At all level	Both	150	5	2	Approve					
108	APPLIED CHEMISTRY	IPR Cell / Patent Facilitatio n Unit / Technolo gy Transfer Centre	This awarene ss program me helped to develop green tools and technolo gy with the help of chemistr y for eco friendly sustaina ble environm ent.	At all level	Both	20	40	2	Approve d					

109	APPLIED CHEMISTRY	Researc h Unit / Park	This project design and develop of a novel biosenso r for detection of contamin ant in biological fluid, for maintain green environm ent.	At all level	Both	2	2	1	Approve d				
110	APPLIED CHEMISTRY	Researc h Unit / Park	Uranium in ground water of Rajnand gaon District of Central India	At all level	Both	1	2	1	Approve d				

						i	p								
111	Training and placement Department	Centre of Excellen	SSGI	At all level	Technical	200	6	2	Approve						
'''	placement	Eveellen	has	lovel	recillical	200	0	-	Approve d						
	piacement	Excellen	nas	ievei					u						
	Department	ce with Advance Tools & Equipme nt	establish ed COE with												
		Advance	ed COE												
		Tools &	with												
		Fauipme	Δutomati												
		nt	on												
		110	Anywhor												
			on Anywher e:- Automati												
			e:-												
			Automati												
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			alobal												
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			enterpris												
			e rpa												
			solution												
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1			platform.	1	1	1	1	1		1	1	1	1		
1			brings	1	1	1	1	1		1	1	1	1		
			robotic				1								
			Automati on Anywher e, a global enterpris e rpa solution and platform, brings robotic process automati on to				1								
			process												
			automati												
			on to industrie												
			industrie												
			l S												
			worldwid												
			Worldwid												
			Dobotio												
			Kopolic												
			Process												
			Automati												
			on (RPA)												
			lis `´												
			software												
			tochnolo												
			ceciliolo												
			gy mais												
			easy for												
			anyone												
			to use to												
1			automate	1	1	1	1	1		1	1	1	1		
			digital				1								1
1			tasks	1	1	1	1	1		1	1	1	1		
			\\/ith				1								
			DDA				1		1			1			
			worldwid e. Robotic Process Automati on (RPA) is software technolo gy that's easy for anyone to use to automate digital tasks. With RPA, software users create software robots, or "bots", that can				1								
			software				1								
			users				1								1
1			create	1		1	1	1		1	1	1	1		
			software				1								1
			robots or				1		1			1			
			"hots"				1		1			1			
			that can				1		1			1			
1			mai can				1		1			1			
			learn, mimic, and then				1								1
			mimic,				1								
1			and then				1		1			1			
1			execute				1		1			1			
			rules-				1		1			1			
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			baseu				1								
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112	Training and placement Department	Industry Institute Interface	Employa bility Skill Training	At all level	Technical	100	10	2	Approve d				
		Interface Unit	on Coding Proficien cy:-Four days Training was organize d. It enhance d the ability of all Participa nts and enabled them to use innovativ e approach es towards developing various applications. The students got an idea of utilizing various techniques for solving real life problems that will fulfill the need of industrie s.										
113	Faculty of Management Studies	Academi c Departm ent with lab facility	Departm ent is equipped with Statistica I Pacakag e for Social Science software for business data analysis. The software will help the future entrepre neurs in business decisions with innovativ e business ideas.	UG / PG / PhD	Both	240	20	2	Approve				

114	Faculty of Management Studies	Researc h Unit / Park	Short Term Training Program	UG / PG / PhD	Both	100	20	2	Approve					
	Studies	n Unit / Park	Training	/ PND					d					
	Otadios	I alk	Program											
			on											
			Dcsign											
			Potential											
			Synergie											
			sin											
			Manage											
			Educatio											
			on 'Dosign Thinking: Potential Synergie s in Manage me Education'											
			sanction											
			AICTE											
			GRANT											
			OF Rs.											
			for buddy											
			manager											
			s and											
			nals to											
			share											
			business											
			e and											
			enhance											
			decision											
			making											
			sanction ed AICTE GRANT OF Rs. 265000 for buddy manager s and professio nals to share business knowledg e and enhance decision making capacity with respect to business develop											
			respect											
			to business											
			develop											
			ment.											

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115	Faculty of Management Studies	Researc h Unit /	COLLAB ORATIV E RESEAR CH PROJEC T TO BE CONDU CTED on 'AVENU ES OF SUSTAI NABLE TOURIS	At all level	Both	2	3	2	Approve d				
	Studies	Park	RESEAR										
			PROJEC										
			CONDU										
			CTED on 'AVENU										
			ES OF SUSTAI										
			NABLE TOURIS										
			M IN CHHATT										
			M IN CHHATT ISGARH' CSVTU/ TEQIP- III,Collab										
			III,Collab										
			orative Researc h Project										
			n Project A										
			GRANT OF RS 100000. This										
			This										
			research outcome will help in										
			in developi										
			developi ng new business opportuni ties in										
			opportuni ties in										
			tourism sector.										
116	Faculty of	Industry Institute	Industry- Institute	At all	Both	120	20	3	Approve d				
	Faculty of Management Studies	Institute Interface Unit	Interface-	level					a				
		Offic	Industrial visit of MBA										
			students at Shree										
			Paint, Durg. The										
			The buddy										
			buddy manager s would										
			get hands on experien ce and										
			experien ce and										
			t with the										
			practical applicatio n of										
			theoretic										
			al concepts										
			, which will enable										
			them to										
			them to start an enterpris e.										

					î				i i				i	
117	Faculty of Management Studies	Centre of Excellen ce with Advance Tools & Equipme nt	Organise d One Week Week worksho p on Researc h Methodol ogy at neighbou ring manage ment institution s, which will enable the beneficia ries in their respective academic as well as professional career growth for business develop ment.	At all level	Both	120	5	6	Approve d					
118	Electrical Engineering	Researc h Unit / Park	A Collabor ative research project worth Rs 2 lakhs sanction ed by CSVTU titled, use of binaural auditory beats for reducing attention deficit disorder in autistic children & analyzing the effective ness will be a social revolution for impaired children.	At all level	Technical	1	1	1	Approve					

119	Electrical Engineering	Researc h Unit / Park	A Collabor ative research project worth rupees 1.5 lacs has been sanction ed by CSVTU "Dual Capabilit y Smart Braille Pad for Blind Persons" which will be beneficial to a visually impaired person.	At all level	Technical	1	1	2	Approve d				
120	Electrical Engineering	Researc h Unit / Park	A Collabor ative research project of 2.5 Lacs sanction ed by CSVTU "Develop ment of manually driven solar juice cart" is approach to green energy technolo gy.	At all level	Technical	1	2	2	Approve d				

121	Department of mechanical Engineering	IPR Cell / Patent Facilitatio n Unit / Technolo gy Transfer Centre	The worksho p will address to individual research ers and institution s intereste d in the develop ment and/or implementation of 3D Printing technological workshool p worksho	UG / PG / PhD	Technical	35	1	1	Approve d					
			technolo gies. This will give excellent academi c forum for sharing knowledg e and results in theory, design, methodol ogy and applicatio ns of additive manufact uring in different discipline s of engineeri ng as Mechani cal, Metallurg y, Material Science, Biotechn											
			Biotechn ology, Biomedic al, Architect ure etc.											

	CAD/CA M/CAE plays a vital role right from the stage of conceivin g of the idea to designin g the product with aesthetic appeal to developi ng the validation /analysis stage. CAD/CA M/CAE is the integral part of today's product develop ment and product ilfecycle. CAD/CA M/CAE plays a vital role right from the stage of conceivin g of the idea to designin g the product with aesthetic appeal to develop ng the product vital role right from the stage of conceivin g of the idea to designin g the product with aesthetic appeal to developi ng the product level drawings and lastiv	UG/PG/PhD	Technical	60	1	1	Approve					
	to the											
	to the validation /analysis											

123	Department of mechanical Engineering	Academi	Vibration	UG / PG / PhD	Technical	25	3	2	Approve d					
	Engineering	c Departm ent with	s is key in the study of earthqua											
		lab facility	kes, bone											
			mechani cs and in											
			variety of applicatio											
			Vibration analysis											
			(VA) is											
			earthqua kes, bone mechani cs and in variety of applicatio ns. Vibration analysis (VA) is an industry condition monitorin											
			g techniqu e used in											
			e used in the asset											
			the asset manage ment industry for early failure detection . There											
			for early failure											
			detection . There											
			are two main methods in which											
			in which we											
			in which we collect, process, analyse and report on vibration currently, namely: By means of											
			and report on											
			vibration currently,											
			namely: By means of											
			a handheld											
			a handheld analyser with an attached accelero											
			accelero											
			meter probe.											

124	Department of mechanical Engineering	Academi	3D printing	UG / PG / PhD	Technical	200	18	2	Approve d				
	Engineering	c Departm ent with	is defined	71110					u				
		lab facility	by the ASTM F42										
			committe										
			e as the fabricatio n of										
			objects through										
			the depositio n of a										
			material using a print head,										
			head, nozzle.										
			nozzle, or other printer										
			technolo gy. However,										
			gy. However, the term is often										
			used synonym ously with										
			with additive										
			additive manufact uring (AM). In particular										
			particular , it is associate										
			I d with										
			machine s that are lower in relative										
			I price and										
			overall functiona										
			capability . 3D Printing is used to build										
			is used to build										
			physical models, prototype s,										
			s, patterns, tooling										
			tooling compone nts and productio										
			productio n parts with										
			with materials like plasti										
			iine piasti										

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125	Department of mechanical Engineering	Academi	Computa tional Fluid Dynamic s (CFD)	UG / PG / PhD	Technical	180	18	2	Approve d							
	mechanical	С	tional	/ PhD			-		d''							
	Engineering	Departm ent with	Fluid													
		ent with	Dynamic													
		lab	s (CFD)													
		facility	i nas													
		-	become													
			an													
			an important tool in													
			tool in													
			furthering													
			a variety													
			or neids													
			Machani													
			Cal													
			Engineeri													
			na Civil													
			Engineeri													
			na.													
			Chemical													
			Engineeri													
			ng,													
			furthering a variety of fields such as Mechani cal Engineeri ng, Civil Engineeri ng, Chemical Engineeri ng, Aerospac e Engineeri ng, Oceanog raphy, Meteorol													
			е													
			Engineeri													
			ng,													
			Oceanog													
			rapny,													
			Meteoroi													
			ogy, Marine													
			and Naval Engineeri ng etc. Therefor e, the													
			Naval													
			Engineeri													
			na etc.													
			Therefor													
			e, the													
			scopes													
			scopes of CFD													
			l hava													
			tremendo													
			uSiy													
			incresse					1								
			tremendo usly been increase d in the recent													
			recent													
			vears. In					1								
			years. In order to													
			l accuratel													
			y describe the CFD problems					1								
			describe													
			the CFD													
			problems					1								
			, an accurate													
			accurate					1								
			numerica													
			scheme													
			scheme, method									1	1			
			and good													
			knowleda													
			e of grids													
			must be													
			and good knowledg e of grids must be adopted.													
		L	<u> </u>	L		L	L	L	<u> </u>	L	l	L	l			

								i e					
126	Department of	Academi	MATLAB	UG / PG	Technical	180	18	2	Approve				
0	Department of mechanical	С	is a special- purpose computer program ming	UG / PG / PhD				-	Approve d				
	Engineering	Departm ent with	special-										
	geeg	ent with	purpose										
		lab	computer										
		facility	program										
		lacility	mina										
			language										
			optimize										
			opumze										
			d to										
			periorm .										
			engineeri										
			ng and										
			perform engineeri ng and scientific calculatio										
			calculatio										
			ns. It										
			started life as a										
			life as a										
			program										
			program designed										
			to										
			to perform										
			l matrix										
			mathema										
			tics, but										
			over the										
			years it										
			has										
			grown into a flexible										
			into a										
			flexible										
			computin										
			g system										
			computin g system capable of solving										
			of solving										
			essentiali										
			essentiall y any technical										
			nroblem										
			The										
			MATIAR										
			program										
			impleme										
			nts the										
			ΜΔΤΙ ΔΡ										
			program										
			ming										
			language										
			technical problem. The MATLAB program implements the MATLAB program ming language and provides										
			a very extensive library of predefine d										
			extensive										
			library of										
			predefine										
			d										
			functions										
			to make										
			functions to make technical										
			program										
			ming										
			program ming tasks										
			easier										
			and more										
			and more efficient.										

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127	Computer Science and Engineering	IPR Cell / Patent Facilitatio n Unit / Technolo gy Transfer Centre	The present invention generally relates to the field of marine life and in particular ly relates to the health monitorin g and identificat ion of aquatic animals. Aquatic animals Aquatic animals humans, can be affected by infectious diseases, which may be caused by pathogen s such as viruses, bacteria, fungi, protozoa and parasites Infection and disease in aquatic animals is normal, but can become severe under certain condition s. Such	UG/PG/PhD	Technical	1	10	1	Approve						
			but can become severe under certain												
			on of new dis												

128	Computer Science and Engineering	IPR Cell / Patent	AN EFFICIE	UG / PG / PhD	Technical	5	2	1	Approve d					
	and Engineering	Facilitatio n Unit / Technolo	AN EFFICIE NT AND COST EFFECTI	, 1 115					"					
		Technolo gy Transfer	VE SYSTEM											
		Centre	VE SYSTEM DESIGN FOR LOW COST											
			LOW											
			RESOU RCE											
			CLOUD RESOU RCE MANAG EMENT.											
			The current work											
			does not meet the											
			efficient resource schedulin											
			g paramete rs like											
			server utilization											
			, quality- service, and cost											
			effective workload											
			balancin g in minimum											
			time. An efficient											
			load balanced algorithm											
			algorithm will be proposed to build											
			Sure											
			Computi ng can be used											
			efficacion											
			sly & successf ully that is a											
			crucial intention											
			of the service company											
			. There's											
			require to make bigger new											
			assignm											
			ent scheduli											

	Information												
129	Information Technology	IPR Cell / Patent Facilitatio n Unit / Technolo	SBDA- Secured	UG / PG / PhD	Technical	4	2	'	Approve d				
	roomiology	Facilitatio	Secured Bra for women	' ' ' ' ' '					"				
		n Unit /	women										
		recnnolo	safty: Smart										
		gy Transfer											
		Centre	Secured										
			Bra for										
			Safty										
			Based on										
			Secured Bra for women Safty Based on Deep Learning Algorithm ; His										
			Learning										
			; His										
			prototype										
			Smart										
			technolo										
			gy sends										
			a signal										
			when a										
			woman is										
			being										
			attacked.										
			device is										
			fitted with										
			two sets										
			; His prototype Smart Bra technolo gy sends a signal to police when a woman is being attacked. The device is fitted with two sets of sensors										
			that can										
			I detect a										
			sudden										
			increase in heart										
			rate and										
			pressure exerted										
			externall										
			y on its wearer.										
			wearer.										

130	Information Technology	IPR Cell / Patent	Method for	UG / PG / PhD	Technical	4	2	1	Approve d					
	recimology	Facilitatio n Unit / Technolo	reducing unneces	/ PND					u					
		av	sary											
		gy Transfer Centre	s in wireless Network											
			Network by optimizin											
			optimizin g power consump											
			tion; Present											
			invention											
			general relates to											
			develop a method											
			and techniqu											
			e for reducing unneces											
			sary											
			s in wireless											
			s in wireless networks by optimizin g power consump											
			g power consump											
			in lion and											
			particular to											
			enhance the user satisfacti											
			satisfacti on and performa											
			I nco ot											
			microcell ular as well as macro- cellular											
			cellular networks											
			networks during handover s. A											
			i proactive											
			approach for handover											
			handover is proposed											
			proposed in which user decides											
			decides when											
			when and where to handover											
			as per his pre											

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

Programs/Initiatives Status	Registration ID Status	Reason Comment	Document	Remarks	Status	Reason	Comment	Document	Remarks
	Phase-1	Phase-1 Phase-1	Phase-1	Phase-1	Phase-2	Phase-2	Phase-2	Phase-2	Phase-2

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

Adopted National Innovation and Start-up Policy at the HEI	No	Not Required	Approved					
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC201810804	Approved					
Trained Innovation Ambassadors at HEI	YES	Not Required	Approved					
Participation in Smart India Hackathon (SIH)	Yes	Not Required	Approved					
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	No	Not Required	Approved					
Participation in National Education Alliance of Technology (NEAT)	Yes	Not Required	Approved					

G.	Nam e of Prog ram (Full Nam e)	Prog ram The me	Prog ram Type	Prog ram Cate gory	Orga nizin g Depa rtme nt / Cent re / Stud ent Body Nam e	Prog ram Start Date	Prog ram End Date	Prog ram Dura tion(i n Days	Prog ram Loca tion	Inter nal Parti cipan ts (Stud ent)	Inter nal Parti cipan ts (Fac ulty)	Exter nal Parti cipan ts (Stud ent)	Exter nal Parti cipan ts (Fac ulty)	Total Num ber of Parti cipan ts	Had institute spent expenses either from own resource/received fund to organise the program/activity/eve nt?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?	Statu s Phas e-1	Reas on Phas e-1	Com ment Phas e-1	Docu ment Phas e-1	Rem arks Phas e-1	Statu s Phas e-2	Reas on Phas e-2	Com ment Phas e-2	Docu ment Phas e-2	Rem arks Phas e-2
	My Inno vatio n	Inno vatio n	Inno vatio n Cont est	Stud ent Lead Activi ty	SAM VID	23-0 2-20 20 00:0 0:00	23-0 2-20 20 00:0 0:00	1	Withi n Cam pus	12	2	0	0	14	Total Expens e Amount Incurre d by Institute to Organis e the Progra m (In Rupees)	Award / Position / Prize Winne Recogn ition Secure d	Approved									

<u>Sec</u>	ction 1	> :	Details	S OT C	o-curr	icular	even	ts/pro	grams	relate	ed to I	nnova	ation,	IPK al	na Entrepreneu	rship/Start-up C	onauc	tea by	tne r	1EI						
Sr no	Nam e of Prog ram (Full Nam e)	Prog ram The me	Prog ram Type	Prog ram Cate gory	Orga nizin g Depa rtme nt / Cent re / Stud ent Body Nam e	Prog ram Start Date	Prog ram End Date	Prog ram Dura tion(i n Days	Prog ram Loca tion	Inter nal Parti cipan ts (Stud ent)	Inter nal Parti cipan ts (Fac ulty)	Exter nal Parti cipan ts (Stud ent)	Exter nal Parti cipan ts (Fac ulty)	Total Num ber of Parti cipan ts	Had institute spent expenses either from own resource/received fund to organise the program/activity/eve nt?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?	Statu s Phas e-1	Reas on Phas e-1	Com ment Phas e-1	Docu ment Phas e-1	Rem arks Phas e-1	Statu s Phas e-2	Reas on Phas e-2	Com ment Phas e-2	Docu ment Phas e-2	Rem arks Phas e-2
2	Hack atho n 3.0	Inno vatio n	Hack atho n	Instit ute Lead Activi ty	Depa rtme nt of Infor mati on Tech nolo gy ,Com puter Scie nce Engi neeri ng	26-0 2-20 20 00:0 0:00	27-0 2-20 20 00:0 0:00	2	Withi n Cam pus	138	0	100	0	238	Total Expens e Amount Incurre d by Institute to Organis e the Progra m (In Rupees)	Award / Position / Recogn ition Secure d Title of Innovati on / Start-up Secure d the Award / Recogn ition / Recogn ition / Award/ Recogn ition / Received for First / First / First / Position / Protection / Received for First / Protection	Approved			Area s/Val idate /Uplo ads/ ARI- I- 1459 _23- 09-2 021- 04- 23- 50.p df	pl refer attac hed file					
3	Mak e-a- thon 2020	Inno vatio n	Inno vatio n Cont est	Instit ute Lead Activi ty	EEE	27-0 1-20 20 00:0 0:00	28-0 1-20 20 00:0 0:00	2	Withi n Cam pus	130	0	76	0	206	Total Expens e Amount Incurre d by Institute to Organis e the Program (In Rupees)	No	Approved			Area s/Val idate //Uplo ads/ ARI- 1- 1459 _23- 09-2 021- 01- 14- gf	pl refer attac hed file					

36	Juon i	/	Jelani	S OI C	o-cuii	iculai	CACIII	is/pi0	granis	leiau	eu lu i	IIIIOV	ation,	II IX ai	id Entreprene	irsnip/Start-up C	Ulluuc	teu by	, me i	11-1						
Sr no	Nam e of Prog ram (Full Nam e)	Prog ram The me	Prog ram Type	Prog ram Cate gory	Orga nizin g Depa rtme nt / Cent Stud ent Body Nam e	Prog ram Start Date	Prog ram End Date	Prog ram Dura tion(i n Days	Prog ram Loca tion	Inter nal Parti cipan ts (Stud ent)	Inter nal Parti cipan ts (Fac ulty)	Exter nal Parti cipan ts (Stud ent)	Exter nal Parti cipan ts (Fac ulty)	Total Num ber of Parti cipan ts	Had institute spent expenses either from own resource/received fund to organise the program/activity/eve nt?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?	Statu s Phas e-1	Reas on Phas e-1	Com ment Phas e-1	Docu ment Phas e-1	Rem arks Phas e-1	Statu s Phas e-2	Reas on Phas e-2	Com ment Phas e-2	Docu ment Phas e-2	Rem arks Phas e-2
4	Natio nal webi nar on Rece nt innov ation s in lumin esce nce and poly mer mate rials	Inno vatio n	Conf eren ce	Instit ute Lead Activi ty	Depa rtme nt of Appli ed Phys ics	30-0 6-20 19 00:0 0:00	30-0 6-20 19 00:0 0:00	1	Within Campus	2	10	20	18	50	Total Expens e Amount Incurre d by Institute to Organis e the Progra m (In Rupees)	No	Approved									
5	Entre pren eurs hip Awar enes s Prgr am	Entre pren eurs hip/S tartu p	Awar enes s	Instit ute Lead Activi ty	Shri Shan kara chtya Tech nical Cam pus	24-1 2-20 19 00:0 0:00	24-1 2-20 19 00:0 0:00	1	Within Cam pus	208	5	0	0	213	Total Expens e Amount Incurre d by Institute to Organis e the Progra m (In Rupees)	No	Appr oved									
6	What 's My Story	Entre pren eurs hip/S tartu p	Motiv ation al spea k	Stud ent Lead Activi ty	Entre pren eurs hip Cell	21-0 9-20 19 00:0 0:00	21-0 9-20 19 00:0 0:00	1	Withi n Cam pus	46	2	0	0	48	Total Expens e Amount Incurre d by Institute to Organis e the Progra m (In Rupees)	No	Approved									

S	ection '	<u> > i : </u>	Details	s of C	o-curr	<u>icular</u>	even	ts/pro	grams	relate	ed to	<u>Innova</u>	ation,	IPR a	nd Entrepreneu	rship/Start-up C	<u>onduc</u>	ted by	<u>/ the</u>	<u>IEI</u>						
S	Nam e of r ram (Full Nam e)	Prog ram The me	Prog ram Type	Prog ram Cate gory	Orga nizin g Depa rtme nt / Cent re / Stud ent Body Nam e	Prog ram Start Date	Prog ram End Date	Prog ram Dura tion(i n Days	Prog ram Loca tion	Inter nal Parti cipan ts (Stud ent)	Inter nal Parti cipan ts (Fac ulty)	Exter nal Parti cipan ts (Stud ent)	Exter nal Parti cipan ts (Fac ulty)	Total Num ber of Parti cipan ts	Had institute spent expenses either from own resource/received fund to organise the program/activity/eve nt?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?	Statu s Phas e-1	Reas on Phas e-1	Com ment Phas e-1	Docu ment Phas e-1	Rem arks Phas e-1	Statu s Phas e-2	Reas on Phas e-2	Com ment Phas e-2	Docu ment Phas e-2	Rem arks Phas e-2
7	Boot Cam p	Entre pren eurs hip/S tartu p	Boot cam p	Stud ent Lead Activi ty	Entre pren eurs hip Cell	15-1 0-20 19 00:0 0:00	17-1 0-20 19 00:0 0:00	3	Withi n Cam pus	200	8	12	1	221	No	Award / Position / Recogn ition Secure d d Title of Innovati on / Start-up Secure d the Award / Recogn ition Award/ Recogn ition/Ac hievem ent Receiv ed for Innova	Approved									
8	Prar amb h Serie s	Entre pren eurs hip/S tartu p	Motiv ation al spea k	Stud ent Lead Activi ty	Entre pren eurs hip Cell	06-0 1-20 20 00:0 0:00	06-0 1-20 20 00:0 0:00	1	Outsi de Cam pus	20	2	0	0	22	Total Expens e Amount Incurre d by Institute to Organis e the Progra m (In Rupees)	No	Approved			Area s/Val idate /Uplo ads/ ARI- I- 1459 /ARI- I- 1459 _27- 09-2 021- 12- 54- df	COLH 4 SHOP SEA Y ARRAND CALERRAD SOUT EXSOLUTION OF A SHOP SOLUTION O					

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

Entre	eprei	ieurs	nip/St	art-up	at the	e Stati	e, mati	ionai a	ana (o	r) inte	rnatio	nai Le	er (C	<u>Jiganii</u>	zed by Externa	i Organizations)	sent k	y tne	ПСІ							
	Nam e of Prog ram (Full Nam e)	Prog ram The me	Prog ram Type	Orga nizin g Agen cy / Instit ute Nam e	Orga nizin g Agen cy Type	Prog ram Start Date	Prog ram End Date	Prog ram Dura tion(i n Days)	Parti cipan ts (Stud ents)	Parti cipan ts (Fac ulty)	Total Num ber of Parti cipan ts	Awar ds/R ecog nition s/Ac hieve ment s	Awar d / Posit ion / Reco gnitio n Secu red	Title of Inno vatio n / Start up Secu red the Awar d / Reco gnitio n	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	Statu s Phas e-1	Reas on Phas e-1	Com ment Phas e-1	Docu ment Phas e-1	Rem arks Phas e-1	Statu s Phas e-2	Reas on Phas e-2	Com ment Phas e-2	Docu ment Phas e-2	Rem arks Phas e-2
<u> </u>	HAC K A THO N (IDE ATE, ATE, ATE, MATE)	Inno vatio n	Hack atho n	VSS UT,I NNO BUZ Z,Bu rla Sam balp ur(ori ssa)	Educ ation al Instit ute	15-0 2-20 20 00:0 0:00	17-0 2-20 20 00:0 0:00	3	3	0	3	Yes	First rank	Best Desi gn Awar d	TotalTo tal Expens e Amount Incurre d by Institute ? (In Rupees)	Award / Position / Recogn ition Secure d Title of Innovati on / Start-up Secure d the Award / Recogn ition Award / Recogn ition/Ac hievem ent Receiv ed for	Approved									
L F -	INTE LEC TUA L PRO PER TY RIG HTS	IPR	Semi nar	SRIP KUM HARI	Educ ation al Instit ute	03-0 1-20 20 00:0 0:00	05-0 1-20 20 00:0 0:00	3	2	2	4	No			TotalTo tal Expens e Amount Incurre d by Institute ? (In Rupees	No	Appr oved									
r f a i s r r r a t	Inno vatio n Rese arch in Scie nce man age ment and tech nolo gy	Inno vatio n	Awar enes s	Atal Bihar i Univ ersity ,Bila spur	Govt. Agen cy (Cen tral)	04-0 1-20 20 00:0 0:00	05-0 1-20 20 00:0 0:00	2	0	1	1	No			TotalTo tal Expens e Amount Incurre d by Institute ? (In Rupees)	No	Appr oved									

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

Srn o	Title of Course/Subje ct Offered	Program Theme	Type of Course	Course Offering Depart ment/Ce ntre/Unit Name	Level of Cour se	Progr am Start Date	Progr am End Date	Progra m Duration (in Days)	Mode of Delivery	Total Number s of Particip ants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)	Status Phase-1	Reason Phase-1	Comme nt Phase-1	Docume nt Phase-1	Remark s Phase-1	Status Phase-2	Reason Phase-2	Comme nt Phase-2	Docume nt Phase-2	Remark s Phase-2
1	Entrepreneur ship Development	Entrepreneur ship/Startup	Full time Progra m	Master	Mast er of Busin ess Admi nistra tion	01-01 -2020	31-05 -2020	152	Offline	120	35	Approve d									
2	Innovation and Technology Management	Innovation	Full time Progra m	Master	Mast er of Busin ess Admi nistra tion	01-08 -2019	31-12 -2019	153	Offline	120	35	Approve d									

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)

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Departm ent/Cent re/Unit Name	Progr am Start Date	Progr am End Date	Progr am Durati on(in Days)	Mode of Delivery	Total Numbers of Participa nts	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)	Status Phase-1	Reason Phase-1	Commen t Phase- 1	Docume nt Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Commen t Phase- 2	Docume nt Phase-2	Remarks Phase-2
1	WMMDA 2019 Workshop on materials modeling for device applications	Innovation	FDP in I&E / IPR	Applied Physics	18-02 -2019	23-02 -2019	6	Online	50	34	Approve d									
2	AICTE Training and Learning (ATAL) Sponsored Faculty Development Program on Material Modeling for Nano- Electronic Devices	Innovation	FDP in I&E / IPR	Applied Physics	02-11 -2020	06-11 -2020	5	Online	161	30	Approve d									

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/Centr e/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	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
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	T		Τ	T													1
1	Dr. Jaspal Bagga	Department of IT	Professor	No	Yes	Approved											
	Trainir	ig Name	Trainin	g Theme	Type of Course	Training A Nam	Agency ne	Training / Typ	Agency e	Trainin	ng Start Date	Training Er	nd Date	Train	ning Duration (in Days)	Mode	of Delivery
	IIC Training Session	on	IPR, Entrepreneurs Innovation	ship/Startup,	Employment Generation Training Programs	IIC MHRD		Govt. Agend (Central)	су	28-04-2	020 00:00:00	22-05-2020 (00:00:00	25		Online	
2	Dr. Latika Pinjarkar	Department of IT	Associate Professor	No	Yes	Approved											
	Trainir	ig Name	Trainin	g Theme	Type of Course	Training / Nam	Agency ne	Training /	Agency	Trainin	ng Start Date	Training Er	nd Date	Train	ning Duration (in Days)	Mode o	of Delivery
	IIC Training Session	on	IPR, Entrepreneurs Innovation	ship/Startup,	Employment Generation Training Programs	IIC MHRD		Govt. Agend (Central)	с у	28-04-2	020 00:00:00	05-05-2020 (00:00:00	8		Online	
3	Dr Siddhartha Choubey	Computer Science and Engineering	PROFESS OR	No	Yes	Approved											
	Trainir	ng Name	Trainin	g Theme	Type of Course	Training / Nam	Agency ne	Training /	Agency	Trainin	ng Start Date	Training Er	nd Date	Train	ning Duration (in Days)	Mode o	of Delivery
	IIC Training Session	on	IPR, Entrepreneurs Innovation	ship/Startup,	Employment Generation Training Programs	IIC MHRD		Govt. Agend (Central)	у	28-04-2	020 00:00:00	22-05-2020 (00:00:00	25		Online	
4	DR. SAMTA GAJBHIYE	Computer Science Engineering	Professor	No	Yes	Approved											
	Trainir	ng Name	Trainin	g Theme	Type of Course	Training / Nam	Agency ne	Training /	Agency	Trainin	ng Start Date	Training Er	nd Date	Train	ning Duration (in Days)	Mode o	of Delivery
	IIC Training Session	on	IPR, Entrepreneurs Innovation	ship/Startup,	Short term Certificate	IIC MHRD		Govt. Agend (Central)	çy	28-04-2	020 00:00:00	22-05-2020 (00:00:00	25		Online	
5	DR. ABHA CHOUBEY	Computer Science Engineering	Associate Professor	No	Yes	Approved			ate /AF 145 145 -20	eas/Valid e/Uploads RI-I- 59/ARI-I- 59_23-09 021-04- -31.pdf	pl refer attached file						
	Trainir	ng Name	Trainin	g Theme	Type of Course	Training <i>I</i> Nam	Agency ne	Training /	Agency e	Trainin	ng Start Date	Training Er	nd Date	Train	ning Duration (in Days)	Mode (of Delivery
6	SONU AGRAWAL	Computer Science	Associate Professor	No	Yes	Approved			Are	eas/Valid e/Uploads RI-I-	pl refer attached file						
		Engineering	T TOTOGOGO!						145 145 -20	59/ARI-I- 59_23-09)21-04- -55.pdf							
		ag Name		g Theme	Type of Course	Training / Nam	Agency	Training <i>i</i> Typ	145 145 -20 24-	59/ARI-I- 59_23-09)21-04- -55.pdf	ng Start Date	Training Er	nd Date	Train	ning Duration (in Days)	Mode (of Delivery

	Trainin	g Name	rrainin	gineme	Type of Course	Năm	ie	Тўрє		i rainir	ng Start Date	Training En	u Date	Days)	iviode o	T Delivery
	IIC Training Session	on	IPR, Entrepreneurs Innovation	hip/Startup,	Short term Certificate	IIC MHRD		Govt. Agency (Central)	,	28-04-2	020 00:00:00	22-05-2020 0	0:00:00	25	Online	
8	ADITI MISHRA	Computer Science Engineering	Assistant Professor	No	Yes	Approved										
	Trainin	g Name	Trainin	g Theme	Type of Course	Training A Nam	Agency le	Training A Type	gency	Trainir	ng Start Date	Training En	d Date	Training Duration (in Days)	Mode o	f Delivery
	IIC Training Session	on	IPR, Entrepreneurs Innovation	hip/Startup,	Short term Certificate	IIC MHRD		Govt. Agency (Central)	,	28-04-2	020 00:00:00	22-05-2020 0	0:00:00	25	Online	
9	SNEHLATA MANDAL	Computer Science Engineering	Assistant Professor	No	Yes	Approved			ate /AF 14! 14! -20	eas/Valid e/Uploads RI-I- 59/ARI-I- 59_27-09 121-12- -05.pdf	pl refer attached file					
	Trainin	g Name	Trainin	g Theme	Type of Course	Training <i>F</i> Nam	Agency	Training A Type	gency	Trainir	ng Start Date	Training En	d Date	Training Duration (in Days)	Mode o	f Delivery
10	SAMPADA MASSEY	Computer Science Engineering	Assistant Professor	No	Yes	Approved			ate /AF 14! 14! -20	eas/Valid d/Uploads RI-I- 59/ARI-I- 59_23-09 021-04- -34.pdf	pl refer attached file					
	Trainin	g Name	Trainin	g Theme	Type of Course	Training <i>P</i> Nam	Agency le	Training A Type	gency	Trainir	ng Start Date	Training En	d Date	Training Duration (in Days)	Mode o	f Delivery

Training Agency

Training Agency

Training Duration (in

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

S	Srno	Name of Student Club	Type of Club	Year of Establish ment	Type of Facilities Available at the Club	Stude nt Club with Acces s to Other I&E Faciliti es at the HEI	No of Progra ms/Act ivities Organi zed by the Stude nt Club During the AY 2019- 20	Stude nt Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone	Status Phase-1	Reason Phase-1	Comment Phase-1	Documen t Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Documen t Phase-2	Remarks Phase-2	
1		E-Cell	Startup Club	2017	Co- working Space	Pre- Incuba tion Unit	1	Dr.Ach ala Jain	achala.jai n@sstc.a c.in	9826539 550	Approved										

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)

Si no		Type of Facilit y	Year of Establ ishme nt	Type of Faciliti es Availa ble at the Centr e	Pre- Incubati on with Access to Other I&E Facilities at the HEI	Name of the Fundi ng Sche mes Availa ble with Pre- Incub ation Unit, if any (Optio nal)	Facility Details	Total Nos of Dedicated Executive/Man agement team Strength Engaged at the Facility	Had the Pre- Incubation Unit Provided any Funding Support for Idea/Prototy pe/Innovatio n Development and implementati on during the Financial Year 2019- 20	Had institute Generated Income either from Services Offered by Pre- Incubation Centre/Facilit ies?	Had institute spent expenses either from own resource/received fund towards Establishment/Oper ation of Pre- Incubation Centre/Facilities?	Status Phase -1	Reaso n Phase -1	Comm ent Phase -1	Docu ment Phase -1	Rema rks Phase -1	Status Phase -2	Reaso n Phase -2	Comm ent Phase -2	Docu ment Phase -2	Rema rks Phase -2
1	IEDC	IEDC	2014	Co- workin g Space	Centre of Excellen ce with Advance Tools	Centr e of Excell ence with Advan ce Tools	Fac ility Na Inc har ge G oe Ing Fac ility Inc har ge mail com Fac ility Inc har ge mail com Fac ility Inc har ge Fac ge Ph one	2	No	No	No	Approved			Areas/ Valida te/Upl oads/ ARI-I- 1459_ 22-09- 2021- 04-00- 02.pdf						

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

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

Source of Grant / Fund Agency Name Agency Type Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)	Research Lab- Lab- Department of Applied Physics	2010 Incubati on Unit,Inn ovation Park/Re search Park,IP R Cell/Tec hnology Transfer Centre	Facili tyln charge and charge Facili tyln charge Facili tyln charge Facili tyln charge Facili tyln charge Facili tyln charge Facili tyln charge Phone		No	Yes Approve d		Areas/V alidate/ Uploads /ARI-I-1459/A RI-I-1459_2 2-09-20 21-11-36-22.pdf		Funda Rassiyad by Ca	Facility
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Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)
Institute's Own Fund / Resource	SHRI GANGA JAL EDUCATION SOCIET	Educational Institute	1350000

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

2	Research Lab - Department of Computer Science & Engineering	2014	Innovati on Labs,In novatio n Park/Re search Park	INSTIT UTE OWN FUND	Dr.SamaGabhye	10	Yes	No	No	Approve d		Areas/V alidate/ Uploads /ARI-I- 1459/A RI-I- 1459_2 3-09-20 21-04- 27- 51.pdf	pl refer attache d file			
					s a ma stab hi ye@gmai.com FalitynchareEmai											
					Fa 9 cili 8 ty 2 ln 6 th 1 ar ge 5 P 3 ho 0 5											

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

Srn o	Name of Incubation Facility	Year of Establis hment	Incubati on with Access to Other I&E Facilitie s at the HEI	Name of the Funding Scheme s Availabl e with Incubati on Unit, if any (Option al)	Facility Details	Total Nos of Dedicat ed Executi ve/Man agemen t team Strengt h Engage d 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/receiv ed fund towards Establishment/ Operation of Incubation Centre/Facilities	Status Phase-1	Reason Phase-1	Comme nt Phase-1	Docume nt Phase-1	Remark S Phase-1	Status Phase-2	Reason Phase-2	Comme nt Phase-2	Docume nt Phase-2	Remark S Phase-2
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Section 3 > ii > c : List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

		Excelle nce with Advanc e Tools,St udent Clubs		Rail tyle tyle tyle tyle tyle tyle tyle tyl	.B .Deshfiukh podeshfiukh@yahoocof 9893369869				Total Annua I Incom e from Trainin g and Skill Devel opmen t Servic es (In Rupee s) Total Annua I Incom e from (Tech nical and Busine ss) Mento ring Servic es (In Rupee s) Total Annua I Incom e from (Tech nical and Busine ss) Mento ring Servic es (In Rupee s) Total Annua I Incom e from Coffice Space and Rental Servic es to Start- ups/In novato rs (In Rupee s)				Uploads /ARI-I- 1459/A RI-I- 1459_2 3-09-20 21-12- 58- 57.pdf					
Institute's Ov	Source of Grant / Fund Institute's Own Fund / Resource								Age ajal Education Soc	ncy Name	Educa	A tional Institu	gency Type		otal Grants / Facility ex	Funds Reco	eived by Inc ous (In Rupe	ubation es)

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

Srn o	Name of Innovation Park/Resea rch Park Facility	Year of Re Establis h Ac to	novati Namen Park of the Fundingesearc Schen Park with Availa ccess e witl Other Reseat & E h/Inno	e pg le Facility ol Details n	Total Nos of Dedicat ed Executi ve/Man agemen t team Strengt	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/I nnovation Development	Had institute Generated Income either from Services Offered by Research Park/Innovation Park?	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/I nnovation/Start up/Venture	Status Phase-1	Reason Phase-1	Comme nt Phase-1	Docume nt Phase-1	Remark s Phase-1	Status Phase-2	Reason Phase-2	Comme nt Phase-2	nt	Remark s Phase-2
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Section 3 > ii > d : List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

			Facilitie s at the HEI	ation Park, if any (Option al)		h Engage d at the Facility	and implementation during the Financial Year 2019-20?	at the HEI (>= -	Development and implementation during the Financial Year 2019-20?							
1	Research	2013	Innovati on Labs		FailityInchargeName ravitiwari2605@gMail.com 99937544999	2	No	No	No	Approve		Areas/V alidate/ Uploads /ARI-I- 1459/A RI-I- 1459_2 3-09-20 21-11- 57- 00.pdf	pl refer an attache d file			

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

No Data Flled!

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

Sr n o	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Dr. Jaspal Bagga	Professor	Idea/Innovation Development	1	Approved									

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

		Nam	e of Idea/Innovation/ Startup Mentore	d			Mentoring S	etup [Within (or)	Outside] HEI		CIN (in case	it is Startup)	
	Smart Communic	ation				Within							
2	Dr. Latika Pinjarkar	Associate Professor	Idea/Innovation Development	1	Approved								
		Nam	e of Idea/Innovation/ Startup Mentore	d			Mentoring S	etup [Within (or)	Outside] HEI		CIN (in case	it is Startup)	
	Smart Communic	ation				Within							
3	GUNJAN JESWANI	ASSISTANT PROFESSO R	IPR Protection & Commercialization	2	Approved								
		Nam	e of Idea/Innovation/ Startup Mentore	d			Mentoring S	etup [Within (or)	Outside] HEI		CIN (in case	it is Startup)	
	Development and antioxidant	l Evaluation of Pa	clitaxal temperature triggered delivery	/ system with a r	natural	Within							
4	Dr Siddhartha Choubey	Associate PROFESSO R	Idea/Innovation Development	10	Approved								
		Nam	e of Idea/Innovation/ Startup Mentore	d			Mentoring S	etup [Within (or)	Outside] HEI		CIN (in case	it is Startup)	
	Exo-Solar Pvt.Ltd					Within				U74900CT2018P	PTC008618		
	Bihow Services.P	vt.Ltd				Within				474999CT2019P	TC009357		
	For Binary Tech.F	Pvt .Ltd				Within							
	R&T Group					Within							
	Clevlogix					Within							
	DP Industries					Within							
	Data Decision					Within							
	Tech.B Pvt Ltd					Within							
5	GYANESH KUMAR SAHU	ASSISTANT PROFESSO R	Idea/Innovation Development	2	Approved								
		Nam	e of Idea/Innovation/ Startup Mentore	d			Mentoring S	etup [Within (or)	Outside] HEI		CIN (in case	it is Startup)	
	Preparation and 0	Characterization o	f Niosome in Treatment of Cancer			Within							
	Role of Bioenhan	cer and Preparati	on of Liposomes in the Treatment of	Cancer		Within							
	Preparation and (Characterization o	f Novel Formulation with Bioenhance	r for the Treatme	ent of Cancer	Within							
6	SONU AGRAWAL	Associate Professor	Idea/Innovation Development	5	Approved								

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)
Treasure Trash	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	Status Ph 1	ase- Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase- 2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	TECH-B	Idea/Innovation Development	Structured Mentorship	Approved									
	Structured Mo	entorship Program Name	Start Date		End Date	T M	otal No of Days of entorship Program	No of	Mentors Involved	Mentorship of	Cohort Size (No. Mentee)	Type of	Mentee
	TECH-B 3-D PRINT	TING MACHINE	22-07-2019		25-07-2019	4		3		4		Innovation/Prot	totype

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

⊗ n o
Name of the Innovation Generated with the Support of HEI
Type of Innovati on
Natu re of Inno vatio n
Nam e of the HEI Supt ed Inno vatio n Dev elop men t
In no vat ion De vel op ed by
Stage of not some of Rittage of Resident of the Spot of the Family of the Spot
Stage of In coation Stage of RL reached as on 31 st March 2020
Stat us Pre- Incu batio on Support to Inno on 31st Mar ch 202 0
Had the Innovation Received any Recognition at State, National, Internation al Level Programs during the financial period 2019-20
Had the Inno vatio n Con vert ed into Vent ure/ Start up/S ME Unit duri ng the finan cial peri od 201 9-20
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/Innovati ons for the pre- incubation/incubation support and the services offered by Pre- incubation/incubation or institute during the financial period 2019
Stat us Pha se-1
Rea son Pha se-1
Com men t Pha se-1
Doc ume nt Pha se-1
Rem arks Pha se-1
Stat us Pha se-2
Rea son Pha se-2
Com men t Pha se-2
Doc ume nt Pha se-2
Rem arks Pha se-2

Treasure Trash
Process Innovati on
Tec hnol ogic al
en t
TR L 2: Tech nology for mula tion nc oncept and application have been for mula ted.
TR L 4: S m all sc ale prototy pe built in a lab or at or y en vir on m en t ("u gly" prototy pe).
Inno vatio n Dev elop men t Com plete d
A gen ÖZafe Agen
ShrìShankaracharyagroupofInstitutions .Bhilai EducationalInstitut e
No
Grant Amount in Rs
50000
No No
No
Approved
Ark s/V lide e/U loa s/A I-I- 14: 97-0 -20 1- -33 15: 56 df
/a refer an Jp attack hed hed file / 5 A A A A A A A A A A A A A A A A A A

									A w ard / P o sit ion / R e c o g ni ti o n S e c ur e d														
			Name							Туре			Gender				Email				Contac	t	
	Sameer Sharm	ia						Stude	nt			Mal	e 		samswogen@gmail.	com				934005839	1		$= \parallel$
			Name							Туре			Gender			ı	Email				Contac	t	
	Sakshi Sharma	ı						Stude	nt			Fem	nale		sakshisharma4500@	gmail.d	com			939984553	3		
	Ritika Singhl							Stude	nt			Fem	nale		ritikasinghal102000@	gmail.	com			939984553	3		
2	Wesign Technologies private Limited	Service Innovati on	Tec hnol ogic al	Self	ud en t	co m m er cia l ap pli cat ion , tec hn olo	TR L 9: Fu co m m er cia appli cation, tec holo gy avail abl e for co ns u m er s.	Inno vatio n Dev elop men t Com plete d	No	Yes	No		No	No		Approved		Area s/Va lidat e/Up load s/AR I-I- 145 9-29 7-09 -202 1- 12- 58- 03.p df	PL refer an attac hed file				

			Name							Туре			Gender			E	Email			(Contact	
	Abdul Sarfaraj							Stude	nt			Mal	е		ecell@sstc.ac.in				88714	194655		
3	Bluetooth enabled bone conduction earphones with real time speech tranform ability for deaf's	Process Innovati on	Tec hnol ogic al	Self	St ud en t	TR L: Te chol og y for m ulto n. Conc ep t and apin cat ionn have be en for m ulte d.	TR L : Te chology for mulation. Concept and application we be enformulated.	Inno vatio n Dev elop men t Ong oing	No	No	No		No	No		Appr						
			Name							Туре			Gender			E	Email			(Contact	
	Dhirendra prat	ap Singh						Stude	nt			Mal	e		ecell@sstc.ac.in				 72238	333566		
4	Solar Insect Killer	Process Innovati on	Tec hnol ogic al	Self	St ud en t	TR L :: Tech nol og y for mula tio n. Co nc ep t an d appli catt ion ha ve be en for mula te d.	TR L :: ech nol og y for mula tio n. Co nc ep t an d appli catt iona ve be en for mula te d.	Inno vatio n Dev elop men t Ong oing	No	No	No		No	No		Approved						

			Name							Туре			Gender			E	Email					Contact	
	Harsh Jain							Stude	nt			Male	9		ecell@sstc.ac.in					83490	98980		
5	Auto Power Generator	Product Innovati on	Tec hnol ogic al	Self	St ud en t	TR L : Baic re se arch. Pri niple s pottlated and observed but no experimental proof available.	TR 1: Bac re se arch. Pri nole s potulat ed and observed but no experimental proof available.	Inno vatio n Dev elop men t Ong oing	No	No	No		No	No		Approved		Area s/Va lidat e/Up load s/AR I-I- 145 9_2 7-09 -202 1- 12- 59- df	pl refer an attac hed file				
		Name								Туре			Gender			E	Email					Contact	
	Dhirendra Pra	tap Singh						Stude	nt			Male	e		ecell@sstc.ac.in					72238	333566		

Section 5 : List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI

Srno	Name of the Venture /Saft Unit Establis hed with the Support of HEI	Type of Innovati on of Venture /Same Unit	Nat ure of Inno vati on	Na mef the Pre-unition on the Sport of Help on the Sport of Help on the third of th	Ye nt til e e Foside d by	Venture Re	gisterd as	Ye ar of R egit ration	What is the current status of Pre-Incubatio n/Incubat ion Support to Venture/ Startup/ SME Unit as on 31st March 2020?	Had the Venture Received any Recognition at State, National, International Level Programs 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 Venture establishment during the financial period 2019-20	Had the venture/startup 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	Hade Pre-incution on Ctell receded in the pre-incution of the pre-	Hate Standard to the Standard	Stat us Pha se-1	Rea son Pha se-1	Co mm ent Pha se-1	Doc ume nt Pha se-1	Re mar ks Pha se-1	Stat us Pha se-2	Rea son Pha se-2	Comm ent Pha se-2	Doc ume nt Pha se-2	Re mar ks Pha se-2
1	Teachi ng Kit	Product Innovati on	Tec hnol ogic al	146	Ex ter na I to th e In sti tut e/I nc ub at ee	Venture with Corporat e ldentific ation Number (CIN) Registra tion	U8090 3CT20 17PTC 00803 6	20 17 - 18	Graduate d from the Incubatio n unit	No	Grant Amount in Rs	No	No	No	App rove d									

			Nan	ne				DI	N number			Туре			Gende	er				Е	mail			(Contact	
	Mr.C.H	. Kamesh R	lao				7850708				Incubatee I	Entrepreneur	Ма	le					Kame	shrao02	2@gmai	il.com	789	9807705)	
2	Organic Phenyl	Product Innovati on	Non - Tec hnol ogic al	146	Ex ter na l to th e In sti tut e/I nc ub at ee	Venture with Corporat e Identific ation Number (CIN) Registra tion	U7499 9CT20 17PTC 00795 3	20 17 - 18	Received Incubatio n Support from Incubatio n Unit	No		Grant Amount in Rs	60600	No		No	No	App rove d								
			Nan	ne				DI	N number			Туре			Gende	er				Е	mail			(Contact	
	Mr. Gu	Food Innovati - ter na Ver				7826521				Innovator/E External to	Intrepreneur Institute	Ма	le					gurve	ersingh	/irdi@g	ımail.com	n 930	0208880)		
3	Oranic Food	Innovati	-	146	Ex ter na l to th e In sti tut e/I nc ub at ee	Venture with Corporat e ldentific ation Number (CIN) Registra tion	U0111 1CT20 17PTC 00811 7	20 17 - 18	Received Incubatio n Support from Incubatio n Unit	No		Grant Amount in Rs	60400	No		No	No	App rove d								
			Nan	ne				DI	N number			Туре			Gende	er				E	mail			(Contact	
	Mr.Vive	ek Soni					8117123				Innovator/E External to	Entrepreneur Institute	Ма	le					sonivv	k2@gm	nail.com	1	958	8420091	1	
4	Exo- Solar	Product Innovati on,Serv ice Innovati on	Tec hnol ogic al	146	Ex ter na l to th e In sti tut e/I nc ub at ee	Venture with Corporat e Identific ation Number (CIN) Registra tion	U7490 0CT20 18PTC 00861 8	20 18 - 19	Received Incubatio n Support from Incubatio n Unit	No		No		No		No	No	App rove d								
			Nan	ne				DI	N number			Туре			Gende	er				Е	mail			(Contact	
	Mr.Hars	sh Jain					8168128				Innovator/E External to	Entrepreneur Institute	Ма	le					harsht	echbuil	d@gma	ail.com	834	4909898)	

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

Smo	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Project s/ Ideas / Innovati on / Startup s from the HEI get benefitt ed through this partner ship	Date of MOU / Agreem ent Signed on	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	Michigan Technological University, Houghton, Michigan, USA	Educational Institute	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	111	21-10-2 019	Approved			Areas/Vali date/Uploa ds/ARI-I- 1459/ARI- I- 1459_22-0 9-2021-11- 29-26.pdf	pl refer an attached file					
2	University Federal Fluminense-UFF, Instituto de Ciencias Exatas, Departmento de Fisica, Brazil	Educational Institute	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	111	22-10-2 019	Approved			Areas/Vali date/Uploa ds/ARI-I- 1459/ARI-I- 1459_22-0 9-2021-11- 32-08.pdf	pl refer an attached file					
3	Government Nagarjuna Post Graduate (Autonomous) College of Science, Raipur (C.G.)	Educational Institute	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	111	20-05-2 019	Approved			Areas/Vali date/Uploa ds/ARI-I- 1459/ARI-I- 1459_22-0 9-2021-11- 34-22.pdf	pl refer an attached file					

4	NIT, Raipur, C.G., India	Educational Institute	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	111	24-10-2 019	Approved		Areas/Vali date/Uploa ds/ARI-I- 1459/ARI- I- 1459_22-0 9-2021-11- 35-04.pdf	pl refer an attached file			
5	Bihaan Herbal Pvt. Ltd.	Non-Govt. Agencies	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Pre- incubation, Mentoring	146	15-01-2 019	Approved		Areas/Vali date/Uploa ds/ARI-I- 1459/ARI-I- 1459_27-0 9-2021-12- 18-35.pdf	The MOU BIHAAN HERBALS PVT. LTD. IS FOR 10 YRS FROM 15/01/201 9 TO 14/01/202 9, SO IT MUST FALL WITHIN THE RANGE.			

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

No Data Flled!

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]	Status Phase-1	Reason Phase-1	Comment Phase-1	Document Phase-1	Remarks Phase-1	Status Phase-2	Reason Phase-2	Comment Phase-2	Document Phase-2	Remarks Phase-2
1	PLASTIC SAND BRICKS AND METHOD OF PREPARTION OF THE SAME	201921020035	National	2019 - 05	Uploaded	Approved									
2	INTERNET OF THINGS BASED SMART BIKE SYSTEM	201921026318	National	2019 - 07	Uploaded	Approved									
3	AN APPARATUS AND METHOD FOR REMOTELY MONITORING AN AQUATIC ANIMAL AND CLASSIFICATIO N THEREOF	201941034109	National	2019 - 08	Uploaded	Approved									

Section 8 > v : List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

Srno	Title/Name of IP	Type of IP	IP Registration Number	Current Status of IP as on 31st March 2020	Copy of IP screenshot	Status Phase-1			Document Phase-1	Remarks Phase-1	Status Phase-2		Comment Phase-2	Document Phase-2	Remarks Phase-2
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1	LSM- Quantum Computing: LARGE DATABASES STORE INTO A VERY SMALL MEMORY USING QUANTUM COMPUTING AND AI-BASED PROGRAMMING	PatentsHoldByInno vations	2020102068	Granted	NA	Approved							
		Ар	plicant Name				Ар	plicant Type			Start-up/Inn	ovator Name	
2	PLASTIC SAND BRICKS AND METHOD OF PREPARTION OF THE SAME	PatentsHoldByInno vations	2019210200 35	Published	Uploaded	Approved							
		Ар	plicant Name				Ар	plicant Type			Start-up/Inn	ovator Name	
3	INTERNET OF THINGS BASED SMART BIKE SYSTEM	PatentsHoldByInno vations	2019210263 18	Published	Uploaded	Approved							
		Ар	plicant Name				Ар	plicant Type			Start-up/Inn	ovator Name	
4	AN APPARATUS AND METHOD FOR REMOTELY MONITORING AN AQUATIC ANIMAL AND CLASSIFICATION THEREOF	PatentsHoldByInno vations	2019410341 09	Published	Uploaded	Approved							
		Ар	plicant Name				Ар	plicant Type			Start-up/Inn	ovator Name	
	MRS. MEGHA MIS	HRA				Incubat	ee Innovator		MRS. MEGH	HA MISHRA			

Section 8 > vi : List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

No Data Filed!

Declaration

To, The ARIIA Committee MHRD's Innovation Cell New Delhi

Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. P B Deshmukh (Head of Institute) and Dr. Lakshman sondhi (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

The Head of Institute

Dr. P B Deshmukh Head of the Institution, Bhilai, Chhattisgarh Nodal officer

fondhi

Dr. Lakshman sondhi Nodal Officer, Bhilai, Chhattisgarh

Responsibility for accuracy and authenticity of data lies with the concerned institution.