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CRITERION – III RESEARCH, INNOVATIONS & EXTENSION

3.3. Innovation Ecosystem

3.3.1 Ecosystem for Innovations, knowledge creation & transfer Ecosystem- SaCRED Infrastructure, IIC establishment, ratings & activities



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SACReD – St. Ann's Centre for Research and Development

The role of research in an academic institution is significant for its sustainability and development, and it is imperative to have knowledge-driven growth based on innovation. Research is essential for facilitating outstanding student education and training. It helps in providing a particular texture to the academic environment of the College, which further gives a distinctive and distinguishing educational experience to the students. Scientific research helps students develop critical reasoning skills. Such skills are helpful for any field of higher education but is particularly helpful for science majors. Developing and maintaining undergraduate and post graduate research programs benefits students, faculty mentors, and the university. Incorporating a research component along with a sound academic foundation enables students to develop independent critical thinking skills along with oral and written communication skills.

With these facts in view, the institution has established a centralized interdisciplinary research lab, **SACReD**, for faculty and students which was strengthened under autonomy with the following objectives.

Objectives:

- To create awareness and opportunities in Research and Development among the students & faculty.
- To provide a platform for design thinking and sharing information.
- To provide direction to the researcherstoundertake research activities and development projects offered by various funding agencies.
- To create Research and Development atmosphere in every department.
- To promote interdisciplinary research across all the disciplines.

Infrastructure

The Research centre is 600 sq.ft, housing facilities such as:

A Library and reading room

- a) **Facilities available** Computer facility with net connectivity, printer scanner and an LCD projector. Software package SPSS/PASW product analysis software used for both qualitative and quantitative analysis in research.
- b) Equipment and Instrument chamber



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The research cell is well equipped with the following instruments:

Sr. No.	Item	Sr. No.	Item
1	Dona balance	13	Rain Gauge
2	Digital Balance	14	Binocular Microscope
3	pH Meter	15	Distillation Unit
4	Hot Plate	16	Microwave Oven
5	Dissolved Oxygen Meter	17	Refrigerator
6	Magnetic Stirrer	18	Water & soil analyzer
7	Heating Mantle	19	Aqua guard
8	Digital Conducto meter	20	Voltage Stabilizer
9	Hot air oven	21	Centrifuge Machine
10	Cold centrifuge machine	22	Microwave Oven
11	Electrical Water bath	23	Electrical Shaker
12	Melting point apparatus	24	Fire Extinguisher
		25	Atomic Absorption
			spectrophotometer
		26	UV-VIS
			spectrophotometer
		27	Dust sampler



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- c) Aseptic Zone
- d) Work stations
 - Two Air conditioners
 - Gas connection with a set of burners
 - 20KVA voltage stabilizer for electrical supply

OUTCOME OF SACReD

The following are few specific outcomes of the research activities as a result of research work done at Central Instrumentation Facility-

- 1. Launching of online Journal **AnnQuest**with ISSN 2323-3043 and Impact Factor 4.35 (Cosmos)
- 2. **Annfolio** a consultancy brochure through which services and expertise of faculty are made visible and accessible
- 3. Award for excellence in research, SARA
- 4. Financial support for faculty:
 - a. For paper publications National and International.
 - b. For attending conferences, FDP.
 - c. SEED money for ARP.
 - d. Financial incentives for publications.
 - e. MRP sanctioned by UGC and other funding agencies
 - f. Interdisciplinary Projects (CPE+UGC)
 - g. Seminars /Training programs organized



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Mehdipatnam, Hyderabad-28











This is to certify that

St. Anns College for Women, HYDERABAD

has established an Institution's Innovation Council (IC201912663) in the campus as per the norms of Innovation Cell, Ministry of Education, Govt. of India during the academic calendar year 2018-19

Prof. Anil D. Sahasrabudhe

Chairman

Shri. R. Subrahmanyam

hri. R. Subrahmanyam

Secretary Ministry of Education Abhay Tere

Dr. Abhay Jere

Chief Innovation Officer Ministry of Education's Innovation Cell

Certificate No: 2216

Aishe Code: C-25788

Date: 29-08-2019











CERTIFICATE

Institution Innovation Council (IIC) established at

St. Anns College for Women, HYDERABAD

had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2019-20.

Prof.Anil D.SahasrabudheChairman, AICTE

Sh. Amit Khare

Secretary, Department of Higher Education, MOE

Dr. Abhay Jere
CIO, MOE, Innovation Cell

Certificate No : 2216 Issued On : 2020-09-22











CERTIFICATE

Institution's Innovation Council (IIC) established at

St. Anns College for Women, HYDERABAD

had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2020-21.

Str elvine

Prof. Anil D.Sahasrabudhe

Chairman AICTE Abhay Tee
Dr. Abhay Jere
Chief Innovation

Officer MOE, Innovation Cell Mr. Dipan Sahu Assistant Innovation Director

MOE, Innovation Cell

Issued On: 2022-01-03

Certificate No: 2216











CERTIFICATE

Institution's Innovation Council (IIC) established at

St. Anns College for Women, HYDERABAD

had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2021-22.

Abhay Tere

Dr. Abhay Jere Chief Innovation Officer MOE, Innovation Cell Mr. Dipan Sahu

Assistant Innovation Director MOE, Innovation Cell

Certificate No: 2216

Issued On: 2022-11-17

The Research Cell

SACReD

ANNQUEST

ISSN

E journal portal

Laboratories:

Biochemistry
Biotechnology
Botany
Chemistry
Commerce
Computer
Genetics
Languages
Mathematics
Microbiology
Physics & Electronics
Statistics

Zoology

Herbal beauty care

Meta

Physics

Age old practices in

Sanskrit curriculum

> Astanga Yoga

IKS

Astronomy

Vedic

Mathematics

Ayurveda

SaIPR
St. Ann's
Intellectual
Property
Rights Cell

SaIC

St. Ann's Incubation

Center

SEED

IIC

St. Ann's Enterprise

Entrepreneurship Development Cell



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IIC ACTIVITIES (2020-21)

Self Driven 2020-2021

Sno.	Tite of the Activity	Date	Resource person	Event type
1.	Workshop on Biofuels, Biofertilizers and Bioprocess	6.8.2020		Workshop
	Technology	to 8.8.2020		
2.	EVENTESIA 2020	11.11.2020	P.Sujatha	
		to19.11.2020	St,Anns college for wo,	
3.	RISE2020	17.8.2020	Ms.Praveena Thota	Competition
		to 22.8.2020	CIMSME	
4.	ED Quest 2021- Online Webinar – A Pep talk on Start-ups		R. Ravi Chander	
			Principal Counsellor &	
		6.3.2021	Head of Dept. of	
			Renewable energy at CII	
			Godrej GBC	



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CALENDAR ACTIVITIES 2020-2021

QUARTER-I

Sno.	Activity Title	Resource Person	Date	Event Type
1.	IIC Council formation or upgradation (of existing council) at Institute level Council Upgradation & IIC Calendar.	Members of the council were involved	20.10.2020	Council meeting
2.	Workshop on "Entrepreneurship and Innovation as Career Opportunity" Entrepreneurship Session - 1 Entrepreneurship as a Career Session - 2 Entrepreneurial Skills Session - 3 Success story of an entrepreneur	1.Ms Swathi Bhavanakar, Co-Founder of Evibe 2.Mr. Jignesh Talasila (Co - Founder and CEO Perspect AI) 3.Ms. Rani Paruchuri (Co - Founder and CEO Dream Tekis Software Pvt.Ltd	4.12.2020	Workshop
3.	Entrepreneurship for this Gen Women-A Success Story by Startup Founder	Ms. Praveena Thota, CEO, NVision Innovations, National Gen, Secretary & Chairperson, Telangana, CIMSME.	20.10.2020	



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4.	Pitching and Linkage of Innovators with Innovation Ambassadors.	Prof. Samuel Johnson, Asst. Director– Academic Staff College & Faculty at VSB at VIT, AP. Prof. Ismail Akbani, Faculty, Renowned Start Up, Entrepreneurship Mentor,	12.12.2020	Webinar
5.	Orientation Session on National Education Policy	Symbiosis Institute of Technology, Symbiosis International (Deemed University), Pune, India Mr.Miraj Farheem		Webinar
3.	(with a focus on Innovation and entrepreneurship)	CEO,Code.in	27.11.2020	wedinar
6.	Session on Problem Solving and Ideation Workshop	Mr.Shamail Akhtar, MA Counselling psychology and is Working as SENCO at Gems United Indian School, Abu Dhabi-UAE	18.12.2020	Webinar
7.	My Story - Motivational Session by Successful Innovators	Ms.Aruna Dara Founder,CEO,Apana Green Products	16.12.2020	Webinar



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QUARTER-II

Sno.	Activity Title	Resource Person	Date	Event Type
1.	A Knowledge Gaining Session on Process of Innovation Development	Mr. Sayantan Mukherjee, Innovator & Founder of Innovators, Garage and Hilltop Ventures.	11.12.2020	Webinar
2.	Workshop On Design Thinking, Critical Thinking &Innovation Design	Mr. Jai Eapen, founder of BRITE CAMP.	4.12.2021	Webinar
3.	Workshop on Entrepreneurship Development Phases,	Dr Nadimpalli Srilakshmi, Registrar, CED ALEAP India and A.H KHAN Faculty, CED ALEAP India.	7.12.2020	Webinar
4.	Design Validation Through Various Models	Mr. Santosh Kumar, COO, GOQUEST MEDIA VENTURES	8.12.2020	Webinar



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5.	Intellectual Property Protection A Way to Stimulate Your Innovation and Creativity	Mrs. V. Swapna, NI-MSME	23.11.2020	Webinar
6.	Idea Pitch Contest	Ms. G. Santoshi, HOD, Indian Institute of Management & Commerce (IIMC) and Ms. Mary Francina, Faculty in Business Management,	30.12.2020	Webinar
7.	Orientation session for staff and students on Innovation.	Ms. Selvarani Innovation Officer with AICTE. MoE IIC	19.12.2020	Webinar
8.	"Paper Writing on Innovation & Research Report on Innovation"	Dr.V. Venugopal Rao, Head Department of Genetics President, IIC St. Ann's College for Women, Mehdipatnam, Hyd-28 Mrs. D. Srikala, Head Department of Statistics Vice President, IIC St. Ann's College for Women, Mehdipatnam, Hyd-28	15.12.2020 to 30.122020	Competition
9.	Orientation Session on National Innovation and Startup Policy (NISP)		17.12.2020	Webinar



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QUARTER-III

S.no.	Activity Title	Resource Person	Date	Event Type
1.	IIC Council, Q1&Q2 review	Members of the council	.2020	Council
	meeting and Q3&Q4 allocation			meeting
	of activities			
2.	Report On Business Plan/Prototype Competition to Invite Innovative Business Models	Chairperson (Telangana), Cimsme & Founder	29.4.2021	Competition
3.	A webinar on Digital Marketing Trends-"A place where ideas grow"	Mr. Tarakram Thumati working as Founder & CEO of Digominds Internet Marketing Academy	05-04-2021	Webinar
4.	Institution's Innovation	Dr.Amutharaj Joyson, M.E; Ph.D, FIE	28.4.2021	Orientation
	Council (IIC), St. Ann's	Professor and Head		session
	College for Women	Dept. of Information Science and Engineering		



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	Hyderabad, organised an	President – RRIIC		
	online Orientation Session on	Raja Rajeswari College of Engineering,		
	Innovation and	Bangalore.		
	Entrepreneurship by			
	Innovation Ambassador for			
	faculty and students			
5.	Building Blocks of a start up-	Mr. Jai Eapen is the founder of Brite Camp	28.4.2021	
	A workshop on Business			Workshop
	Model Canvas			
6.	Interactive Session With	Ms. Samhitha, CA	6.5.2021	Interactive
	"Successful Start-Up Founder"	Founder of PRO – SQUAD		Session
		Vice President of CIMSME Telangana State,		
		Certified in CIA, CFE and CIMA		
7.	A Mentorship Session for	Mr. Ramamohan Reddy, Program Manager	3.7.2021	Webinar
	Student Entrepreneurs through	(Start-up accelerator) at DCF		
	Innovation Agent	Ventures, Hyderabad, Telagana.		
8.	Workshop on Intellectual	Ms. VijayShree Pandit, Assistant Professor	5.5.2021	Workshop
	property rights (IPRs) and IP	(Ad-hoc), G. H. Raisoni Law College, Nagpur,		
	management for start-ups	India. Principal Attorney(consultant), was the		
		resource		
9.	Prototype/Process Design and	Dr. Vijaya Kumar, Professor and HOD-Guru	3.5.2021	Webinar
	Development-Prototyping	Nanak Institute of Technology		
	_			



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QUARTER-IV

S.no.	Activity Title	Resource Person	Date	Event Type
1.	IIC Council, Q3 review meeting	Members of council		Council members
	and Q4 activities progress			meeting
	conduction.			_
2.	A session on Incubation-	Dr. Pranjal Kumar Phukan	30.4.2021	Webinar
	Opportunities to Early Stage			
	Entrepreneurs			
3.	Mentoring Session on Lean Start	Mr. Muthyala Sarath	10.7.2021	Webinar
	Up & Minimum Viable	Program Manager		
	Product/Business	Atal Incubation Centre - ALEAP We Hub		
		Hyderabad.		



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4.	Summer Break: Orientation on Internship by Mentor Minds		30.6.2021	Webinar
5.	"Angel & VC Funding Opportunity for Early Stage Entrepreneurs"	Mr. Satyanarayana Vaddi Managing partner and CEO Fin Anomics Capitals	4.5.2021	Webinar
6.	Workshop on Prototype Validation - Converting a Prototype into a startup	Mr. Manikanta Racharla Co-founderCEO ShopTap, Simplified Procurement	29.6.2021	Webinar
7.	Panel discussion-on "Innovation and startup ecosystem enablers from regional, state, national and International level	1.Mr. Uday Shankar Dhanikonda,Co-Founder, VP of Engineering at StartupWind, Inc. San Francisco 2.Ms. Urooj Husain, Founder- Street Temptation, Restauranteur, Social Activist, Noida. 3.Ms. Sushmitha Jakkula Founder-The soaptub co., Hyderabad 4.Mr. Uttam, Anerjee, Impact preneur, Co-founder- Ekam Eco solutions, Ahmedabad 5.Ms.Sridevi,, Member, We Hub, Telangana. 6,Ms. Farheen Theba Alumni,	7.7.2021	Panel discussion



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		Entrepreneur, Founder, Amigo		
		Consultancy, Hyderabad.		
8.	Building an Innovation/Product Fit for Market	Mr. Harikrishna Kotagiri CEO HN Solution	12.7.2021	Webinar



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IIC ACTIVITIES (2021-22)

2021-22 Activities

Q1&Q2

S.No.	Title	Resource Person	Date	Type of activity
1.	Women Start-up Entrepreneurs - Opportunities and	Er. Prof. G Surender Reddy, Adviser, SPGS,	20.09.2021	Webinar
	Challenges	ESCI, Hyderabad		
2.	Investor Awareness	Mr. Vinayak, NSE	23.09.2021	Webinar
3.	Women in Leadership Position	Ms.Lalitha Lakshmi , IAS	24.09.2021	Webinar
4.				
5.	My Story Motivational Session by Successful	Mr. Narayana Rao Sripada, Founder/CEO,	10-11-2021	Webinar
	Innovators	Salcit Technologies Pvt. Ltd., Hyderabad.		
6.	National Education Day (NED)-Talk on Building	Prof. K. Srinivas, Head, ICT and Project	11.11.2021	Webinar &
	Competencies in Blended Teaching & Learning: A	Management Unit, NIEPA, New Delhi.		portrait
	Step by Step Approach			competition
7.	Informative Session on Student Start-ups	Mr. Meraj Faheem, CEO of Code.in, EdVenture	13.11.2021	Interactive
		Park, The Hacking school, Innovation Fellow		session
		Government of Telangana.		offline

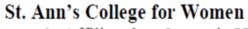




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8.	Workshop on "Entrepreneurship and Innovation as Career Opportunity"	Mr. Mahesh Kumar CV,Co-Founder and Chief AI Officer, Orbit Shifters	25.11.2021	Workshop
9.	Awareness Program on National Pollution Control Day	Mrs Ramya V,St.Ann's College for Women,Hyderabad-28	4.12.2021	Awareness talk
10.	Energy Conservation in Apartments	Dr. ChandraSekar, Managing Director- 7s Technologies.	14.12.2021	Seminar
11.	Exposure and field visit for Problem Identification-Industrial visit to Textile Industry-CHERMAS		18.12.2021	Industrial Visit
12.	Workshop on Entrepreneurship Skill, Attitude and Behaviour Development	Mr.J.S.Gopal Naidu, Deputy Director of Industries, Industrial Department, Govt. of A.P	22.01.2022	Online Session
13.	My Story - Motivational Session by Successful Entrepreneur/Startup founder.	Ms.Saniya, Founder and CEO, Goodmind,CO	24.01.2022	Online Session
14.	Session on Achieving Problem-Solution Fit & Product-Market Fit	Dr. V. N. Bajpay, Professor, Institute of Technology and Science, Ghaziabad	1.02.2022	Webinar
15.	Design Thinking, Critical Thinking & Innovation Design.	Mr. Mahesh Kumar CV,Co-Founder and Chief AI Officer, Orbit Shifters, Hyderabad.	5.02.2022	Online workshop
16.	Process of Innovation Development and Technology Readiness Level (TRL) and Commercialization of lab Technologies and Tech Transfer	Mr. Kamalakar Sai Palavalasa, Founder & Group CEO – MICRONSURE	7.02.2022	Online Session
17.	Pitching Event for Ideas Scouted & linkage with Innovation Ambassadors for mentorship support	Aditi Khot, founder Des Rangeela, EERGIC foundation member	19.2.2022	Online Session
18.	National Science Day Celebrations	Dr.Srikala Ganapathy, Founder and Editor of Science Shore.	21.2.2022 -28.2.2022	Webinar & Competitions





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Q3&Q4

Program type	Program title	Start date	Title of the activity (Topic)	Name of the resource person
Online			Innovation/ prototype validation -	
webinar	Startup	13-05-2022	converting innovation into Start Up	Mr. Harish Bharadwaj
Motivative speech	Incubation & Preincubation	11-04-2022	Info Session on Accelerators/Incubation Opportunities for Students & Faculties - Early Stage Entrepreneurs	Mr Meraj Faheem, CEO, EdVenture Incubation Foundation Mr Ilyas Shah Khan, Incubation Manager, EdVenture Incubation Foundation
Motivative speech	Startup	04-08-2022	Info Session on Angel Investment/VC Funding Opportunity For Early Stage Entrepreneurs	Ms. Siddiqua Begum, Co-Founder, Good Mind Care Foundation
Leadership talk	Entreprenuership	04-08-2022	Info Session on Campus Leadership Program	Mr. Meraj Faheem, CEO, EdVenture Incubation Foundation
Online webinar	Startup	29-04-2022	Session/ workshop on Business Model Canvas	Mr. Sarath Muthyala
Others	IPR	26-04-2022	Intellectual Property Righ IPR) And IP Management For Startups	Naveen Kumar Anumula
Others	Other	04-06-2022	World Environment Day Celebrations	Mrs.T .Anuradha (Invited Talk on Sustainable Living)





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Others	Other	11-05-2022	National Technology Day	None
Leadership talk	Startup	11-08-2022	Innovation and Start Up Ecosystem Enablers	Mr. Subba Raju Pericharla
Motivative speech	Startup	30-07-2022	Session on Lean Start-Up- Minimum Viable Product	Mr. Ganesh Iyer
Motivative speech	Startup	19-07-2022	A session on Dovely- Start up introduction in the college	Ms. Uzma Khatoon
Others	Startup	28-05-2022	Opportunities And Growing Need Of Startup And Make In India Schemes	Dr. Hafeez Basha {Ph.D, Manager, OTBI, OU}
Others	Other	22-08-2022	Intercollegiate Competition #Ideation@75	Dr. Zahoorullah
Others	IPR	27-08-2022	A session on Intellectual Property Rights	Ms. k. Sucharita
Others	Entreprenuership	06-08-2022	Poster Presentaion of Business plan	Mrs. Neeraja, Asst Prof, Dept of Botany
Others	Other	22-08-2022	Slogan writing competition	Mrs.Srikala, Head Dept of Statistics



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