

Annual Report 2022-23
[ST PAULS COLLEGE OF PHARMACY]

[IC202115868](#)



A. About IIC Institute

• **Vision / Mission of IIC established at the Institute:**

Vision: Empowering innovation, entrepreneurship and startup workforce for self reliability and promoting motives of Atmanirbhar bharat

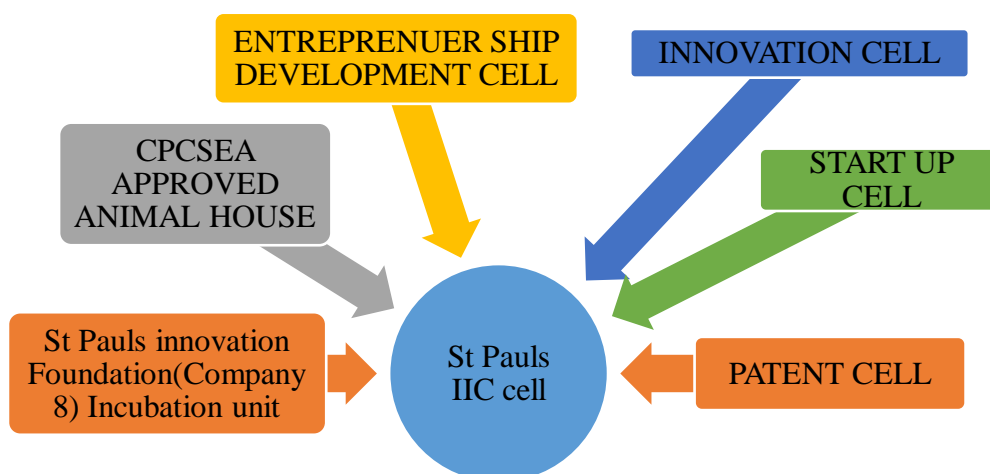
Mission:

- ✓ To foster and enrich the student to develop innovative prototypes
- ✓ To promote facilities to student and faculty incubation and entrepreneurship
- ✓ To promote the entrepreneurship and startup facility
- ✓ To nurture the innovators with incubation support

• **Journey of IIC established at the Institute:**

The IIC was established in the year 2020-21. Since the inception, various activities have been conducted and the institute could establish numerous collaboration that promoted student and faculty entrepreneurs. Further, in 2021-2022 the institute developed and oriented to the NEP 2020 policy and Atmanirbhar bharat with enacting the institution work force to orient towards developing and nurturing students and faculty as well towards innovation entrepreneurship and startup. The institute has secured 3 star rating for the 2021-22 year. For the A.Y 2022-23 the institute has conducted various activities in the four quarters(Q1-Q4) which sum up to 20 calendar activities along with 9 MIC driven activities and 13 self driven activities. Further the innovation repository Yukthi was addressed with 3 innovation prototypes. Also there were 4 e learning repositories in the institute managed by experts and have public access. Institute is registered to participate in smart india hackathon 2023.

• **Diversified representation in the IIC established at the institute from industry, Interdisciplinary Departments/ Units etc.**



Representation of St. Pauls IIC strength



B. Brief mention of key functionaries at the IIC Institute

- **President :**
Dr. M . Kiranmai, Principal, St. Pauls college of Pharmacy
- **Convener, Dr. Sneha Thakur St. Pauls college of Pharmacy**

S.No	Roles	Name & Details	Department	Designation	Experience in Years
1.	President	Dr. M. KIRANMAI principal@stpaulscollege.ac.in 8008122868	Pharmaceutical Chemistry	Principal	19
2.	IPR Activity Coordinator	Dr. Somnath De somnath.bankura@gmail.com 9618347303	Pharmacology	Professor	10
3.	Internship Activity Coordinator	Dr. P. Sunil Kumar Chaitanya sunilpadavala@gmail.com 9550343883	Pharmaceutical analysis	Professor	15
4.	Start up Activity Coordinator	Dr. K. Venu Madhav vmkatla@gmail.com 9885146418	Pharmaceutics	Professor	14

5.	Convener	Dr. Sneha Thakur snehathakur2189@gmail.com 9032783548	Pharmacognosy	Associate Professor	7
6.	ARIIA Coordinator	Mr. P. Nagaharitha harithasunilp@gmail.com 8019993220	Pharmaceutics	Assistant Professor	8
7.	Member	Ramu office@stpaulscollege.ac.in 9394825406	Admin	Administration officer	10
8.	Social Media	Mrs. Suhasini suhasini106@gmail.com 9700208546	pharmacology	assistant professor	3
9.	Member	Anusha dranushajoel@gmail.com 9133893337	Pharmacy Practice	Associate Professor	5
10.	Member	Mary Manisha mmarymanisha64@gmail.com 8008724862	Pharmacology	Research assistant	2
11.	Member	Sareesh sareesh.stpauls@gmail.com 8328574680	pharmaceutical analysis	Assistant professor	5
12.	Member	Keerthi Kadimcharla kadimcharlak@gmail.com 8919013665	pharmaceutical Analysis	Assistant professor	4
13.	NIRF Coordinator	P. RAJANI prswarajani@gmail.com 9849247072	Adminstration	Sr. Office Administrator	11
14.	Member	Mrs. Navya Pravala navyakonapuram@gmail.com 9959290112	Pharmacology	Assistant professor	8
15.	Innovation Activity, Member	Dr. Naga Raju Kandukoori kandukoori007@gmail.com 9603241824	Pharmaceutics	Professor	13

16.	Member	Mr. ANASURI SANTHOSH santupharmacy@gmail.com 9440709940	Pharmacognosy	Assistant Professor	6
17.	Member	Mrs. Deepika .B deepu.bhoopathi@gmail.com 9985585338	Pharmaceutics	Associate Professor	10
18.	Member	Y. Uma Rani raniuma26@gmail.com 9182830489	pharmacology	Assistant professor	4
19.	Member	Nikita gupta nikitagupta250@stpaulscollege.ac .in 8801114034	Pharmacy	Assistant Professor	3
20.	Member	Roja Pathakota roja.pathakota11@gmail.com 9000373960	Pharmacology	Associate Professor	10
21.	Member	Dr. Nellutla Saritha Devi nellutlasaritha@gmail.com 8317660516	pharmaceutical Chemistry	Associate	11

C. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution

- **Total No. of IIC Members** : 21 including student and faculty
- **Total No. of Innovation Ambassadors:** about 10 faculty were nominated as Innovation Ambassadors who have completed the advanced training. Further 10 of them have delivered expert talks on innovation entrepreneurship and commercialization strategies both as internal and external expert
- **Total No. of faculty Mentors** :10
- **Pre-Incubation Units:** Pre incubation facility has been set in space of 500 sft in each floor which catalyses the experimentation and the prototype development. Further the products developed which subjected to scrutiny are communicated to incubation centre unit
- **Incubation Units:** St Pauls innovation Foundation under Section 8 company act MSME is registered and operated. Idea hackathon 3.0 has been launched and evaluation at stage II is completed
- **IP Facilitation Unit:** the Patent facilitation centre has been established at the institute to nurture the idea and utility patents



Patent cell

D. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

Preincubation facilities: This includes all the facilities in the laboratories to develop the prototypes and test *invitro*.



Pharmaceutical Preincubation facilities



Animal House



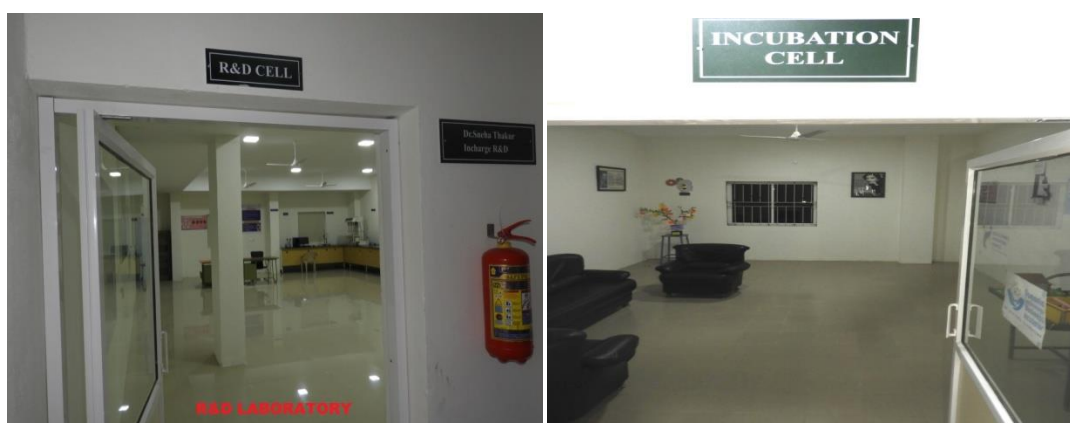
Central Instrumentation Room

Preincubation facilities I



Preincubation facilities II

Incubation Centre: The incubation centre was established in 2022. St. Paul's innovation foundation section 8 company act MSME is registered to nurture and incubate the ideas and prototypes of student and Faculty. Further the idea hackathon MSME women entrepreneurs 3.0 was launched and is currently progressing towards the stage II evaluation. The committee comprises of various industry, incubation and research centre experts. In 2022 the OU Technology business incubation centre collaboration was established to accelerate the facilities and idea set up. To promote entrepreneurship skills among students and faculty, St. Paul's College of Pharmacy geared up in collaboration with "Osmania University Technological Business Incubator" that focuses on the innovative ideas that need support from the entrepreneurial community also to leverage the startup units.



Incubation Cell

COLLABORATION / MOU



Collaborations and extensions for accelerators

Collaborators include

- Patanjali Research Foundation Haridwar
- JSS college of Ooty
- OU Technology Business Incubators(OU TBI)
- Research and Innovation Circle of Hyderabad(RICH)
- Bansal Associates IP
- University college of Women, Koti, Hyderabad
- Progenerics Pharma Pvt. LTd(Industry interface unit)



CONNECTING POINT

Student clubs:

Ideation Point: The idea club generates the idea and the impactful ideas will be published in social media. Many activities are conducted at idea point.

IDEATION- FOCUS POINT

PANACEA INQUISITIVE



Patent Club: The ideas generated will be evaluated and further the novel and innovative ideas or the prototypes generated will be facilitated through the IPR cell for patent filing.



Patent cell

Scientific Club: the team St. Pauls associated with Team MANAV a govt of India Initiative and conducts various programs to read and understand the scientific literature. The **journal club** conducts dedicated meeting where researchers gather to discuss publications from peer-reviewed journals



Scientific journal meeting

National IPASF student forum

It is adapted in year 2019 under the flagship of IPA and thereby fostering escalation of pharmacist's portrayal within the country and abroad, so as to encourage pharmacy students amongst the country and upraise recognition and team spirit. Thus many activities to enrich pharmacy knowledge and upliftment of pharmacy profession are undertaken.



NSS Club

Graduate & Post Graduate at colleges and University level of college will take part in various government led community service activities & programmes.



NSS activities

E. Highlight Achievements (Narrative/Graphical/tabular representation)

S. no	Title	Quarter:-	Type:-	Domain
1.	Demo Day/Exhibition/Poster Presentation of Ideas/PoC & linkage with Innovation Ambassadors/Experts for Mentorship Support - Manage through YUKTI-NIR	Quarter I	IIC Calendar Activity	Innovation
2.	Inter/Intra Institutional Idea Competition/Challenge/Hackathon and Reward Best Ideas - Manage through YUKTI-NIR	Quarter I	IIC Calendar Activity	Innovation and Entrepreneurship
3.	Exposure and field visit for problem identification	Quarter I	IIC Calendar Activity	Innovation
4.	My Story - Motivational Session by Successful Innovators.	Quarter I	IIC Calendar Activity	Innovation
5.	My Story - Motivational Session by Successful Entrepreneur/Start-up founder.	Quarter I	IIC Calendar Activity	Entrepreneurship
6.	Session on Problem Solving and Ideation Workshop	Quarter I	IIC Calendar Activity	Innovation
7.	Workshop on "Entrepreneurship and Innovation as Career Opportunity"	Quarter I	IIC Calendar Activity	Innovation and Entrepreneurship
8.	National Education Day	Quarter I	Celebrations	Innovation and Entrepreneurship
9.	Innovation Day	Quarter I	Celebrations	Innovation

10.	Women entrepreneurship day	Quarter I	Self-driven Activity	Entrepreneurship
11.	Launch of 5G services	Quarter I	MIC driven Activity	Innovation and Entrepreneurship
12.	Orientation Session on IIC 5.0 & Features	Quarter II	MIC driven Activity	Awareness
13.	National Startup Day	Quarter II	Celebrations	Innovation
14.	National Youth Day	Quarter II	Celebrations	Celebrations
15.	National Science Day	Quarter II	Celebrations	Innovation
16.	National Energy Conservation Day(India)	Quarter II	Celebrations	Awareness
17.	National Pollution Control Day	Quarter II	Celebrations	Awareness
18.	International day of education	Quarter II	Self-driven Activity	Innovation and Entrepreneurship
19.	Republic day Elocution competition	Quarter II	Self-driven Activity	
20.	Leadership Talk with Prof. T. G. Sitharam, Hon'ble Chairman, All India Council for Technical Education (AICTE)	Quarter II	MIC driven Activity	Innovation and Entrepreneurship
21.	Innovations and vaccine development and developing entrepreneur's skill set	Quarter II	Self-driven Activity	Innovation and Entrepreneurship
22.	IPR awareness workshop	Quarter II	Self-driven Activity	Innovation
23.	workshop on interpersonal skills	Quarter II	Self-driven Activity	Innovation and Entrepreneurship
24.	Intra college idea challenge/Hackathon and through YUKTI-NIR	Quarter II	IIC Calendar Activity	Innovation and Entrepreneurship
25.	Session on Achieving Problem-Solution Fit & Product-Market Fit	Quarter II	IIC Calendar Activity	Innovation
26.	Workshop on Entrepreneurship Skill, Attitude and Behavior Development	Quarter II	IIC Calendar Activity	Entrepreneurship
27.	Expert talk on "Process of Innovation Development & Technology Readiness Level (TRL)" & "Commercialisation of Lab Technologies & Tech-Transfer"	Quarter II	IIC Calendar Activity	Innovation
28.	Innovation & Entrepreneurship Outreach Program in Schools/Community	Quarter II	IIC Calendar Activity	Innovation and Entrepreneurship

29.	Translational research driving innovation	Quarter II	Self-driven Activity	Innovation and critical thinking
30.	World Intellectual Property Day	Quarter III	Celebrations	IPR
31.	Creating YUKTI Innovation Repository & Participation in Innovation Challenge	Quarter III	MIC driven Activity	Innovation and entrepreneurship startup
32.	Celebrating India's presidency of the G20	Quarter III	MIC driven Activity	Entrepreneurship
33.	World Creativity and Innovation Day	Quarter III	Celebrations	Innovation, design thinking
34.	International Women's Day	Quarter III	Celebrations	Celebrations
35.	National Technology Day	Quarter III	Celebrations	Innovation and IPR
36.	Industrial visit to Performics labs	Quarter III	Self-driven Activity	Incubation
37.	Field/Exposure Visit to Incubation Unit- AIC-CCMB Atal Incubation Centre etc	Quarter III	IIC Calendar Activity	Knowledge on incubation and preincubation
38.	Workshop on Prototype/Process Design and Development	Quarter III	IIC Calendar Activity	Critical thinking, Design thinking
39.	Session on "How to plan for Start-up and legal & Ethical Steps"	Quarter III	IIC Calendar Activity	Entrepreneurship and startup
40.	industrial visit to caponex labs	Quarter III	Self-driven Activity	Incubation
41.	National Technology Week Inaugural Address of Hon'ble Prime Minister of India at 10.00 AM, 11th May 2023	Quarter III	MIC driven Activity	Innovation and General awareness
42.	innovation nutritive recipe competition	Quarter III	Self-driven Activity	Innovation in food
43.	NEP ki Samajh Celebrating 3 years of Implementation of NEP 2020	Quarter IV	MIC driven Activity	Celebration, Critical understanding, conceptualization
44.	World Entrepreneurs Day	Quarter IV	Celebrations	Entrepreneurship
45.	Session/ Panel discussion with innovation and Start-up Ecosystem Enablers from the region/state/national level	Quarter IV	IIC Calendar Activity	Innovation and Entrepreneurship
46.	Organising Innovation & Entrepreneurship Outreach Program in	Quarter IV	IIC Calendar Activity	Innovation and Entrepreneurship

	Schools/Community			
47.	Organise an Inter/Intra Institutional Start-up Competition and Reward Best Start-ups - Manage through YUKTI-NIR	Quarter IV	IIC Calendar Activity	Innovation and Entrepreneurship
48.	Demo Day/Exhibition/Poster Presentation of Start-Ups & Linkage with Innovation Ambassadors/Experts for Mentorship Support - Manage through YUKTI-NIR	Quarter IV	IIC Calendar Activity	Innovation
49.	World Youth skills day	Quarter IV	Self-driven Activity	Entrepreneurship
50.	celebrate the 3rd Anniversary of the National Education Policy (NEP) 2020 and the 2nd edition of the Akhil Bhartiya Shiksha Samagam	Quarter IV	MIC driven Activity	Awareness
51.	Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs	Quarter IV	IIC Calendar Activity	Preincubation and incubation management, entrepreneurship
52.	IIC Mentoring Session On Idea -Innovation Prototype	Quarter IV	Self-driven Activity	Critical thinking and design thinking skills
53.	Mentoring Session On Generating Entrepreneur Skill Mind Set In Women	Quarter IV	Self-driven Activity	Entrepreneurship & startup
54.	Independence Day- Celebrating Aazadi Ka Amritkal	Quarter IV	Celebration Activity	Innovation , and Startup
55.	World Environment Day	Quarter IV	Celebration Activity	Critical thinking and design thinking skills
56.	IIC 5.0 Annual Report (2022-23)	Quarter IV	MIC Activity	Challenges and innovations

- **Number and Different types of I&E and IPR activities Conducted: 30**
- No. of student's & faculty ideas generated: 20
- No. of student's & faculty Innovation/prototypes developed:10
- **No. of IPs Published:3**
- **The patent grants by the faculty during the year 2021-22**

Sl. No.	Patent Application	Status of Patent	Inventor /s Name	Title of the Patent	Applicant /s Name	Patent Filed Date	Here, attach source of proof i.e. URL/website
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	No.	(Published / Granted)				(DD/MM/YYYY)	links, etc.
1	20224 10359 95	Published	Dr.M.Ki ranmai	Cookie/Biscuit as functional food and nutraceuticals for diabetics and obese persons and method thereof	St. Pauls College of Pharmacy	23-06-2022	
2	20234 10096 12 A	Published	Dr. Sneha Thakur	NUTRITIONAL EDIBLE SLATE CHALK AND METHOD OF PREPARATION THEREOF	St. Pauls College of Pharmacy	:14/02/2023	https://search.ipindia.gov.in/DynamicUtility/Journal/ViewJournal
3	20214 10420 71	Granted	Ms.B. Deepika	A PROCESS FOR PREPARING SUSTAINED RELEASE SOLID ORAL FORMULATION OF A WATER-SOLUBLE ALPHA-GLUCOSIDASE INHIBITOR	Ms.B. Deepika	17-09-2021	

No. of Student & Faculty Start-ups/Ventures established-0

Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus

Items	Budgeted in 2020-21 (in Lakhs)	Actual Expenses in 2020-21 (in Lakhs)	Budgeted in 2019-20 (in Lakhs)	Actual Expenses in 2019-20 (in Lakhs)	Budgeted in 2018-19 (in Lakhs)	Actual Expenses in 2018-19 (in Lakhs)	Budgeted in 2017-18 (in Lakhs)	Actual Expenses in 2017-18 (in Lakhs)
Infrastructure Built-Up	15	12.5	35	36.65	100	126.75	100	271.45
Library	2	1.83	4.5	5.12	4.8	5.94	3	2.92

Laboratory equipment	3.8	3.45	5.5	6.01	7	7.26	2	1.91
Laboratory consumables	2.1	2.07	4	3.82	3.8	3.5	5.5	5.93
Teaching and non-teaching staff salary	300	345.39	250	295.08	200	196.84	150	215.67
Maintenance and spares	10	9.27	6.5	6.62	3.5	3.6	10	11.04
R&D	2.2	2.2	2	1.88	1.5	1.32	5	5.24
Training and Travel	1.5	1.62	2.5	2.1	6.95	6.94	4.5	4.57
Miscellaneous expenses*	10	10.5	11.5	11.5	9.5	10	15	15.2
Others, specify	55	56.99	63.5	69.31	45.5	52.57	75	100.3
Total	401.6	445.82	385	438.09	382.55	414.72	370	634.23

- **Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR**

R&D Budget: 5 lacs

IPR budget: 5 lacs

- No. of Technology Transfer and Commercialisation happened- 0

F. Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum

[Profile of few faculties with 2-3 line of their achievements]

Student Innovation strategy

Team: **Life Saviors**

Topic: ***Indigenous Intelligence in Multispeciality Pharmacy to Save Lives***

Organizers: IPASF

St. Pauls students Sainath Chary G (Pharm D 4th year) Sowjanya D (Pharm D 4th year) & Sangeetha (B Pharmacy 3rd year) rocked again by bagging **1st prize worth of 100\$in METAVERSE HACKATHON**

Social media update:

<https://www.facebook.com/stpaulspharmacy/photos/3373694769541649>

G. Highlight selected best Innovations & images with mention of inventor/innovation name

The few selected inventions were designed as prototype which include



Digital hospital and Drug discovery models

Digital hospital by: Gikathula Anand

Pharmacy
Startup Coordinator
B. Pharmacy

Drug discovery model by: Vidya Kumari

Pharmacy
Internship Coordinator

H. Highlight selected start-ups established by students/faculties with mention of founder/cofounder name

The institute is planning to set up a start up for dissemination of agriculture products at Manchal village

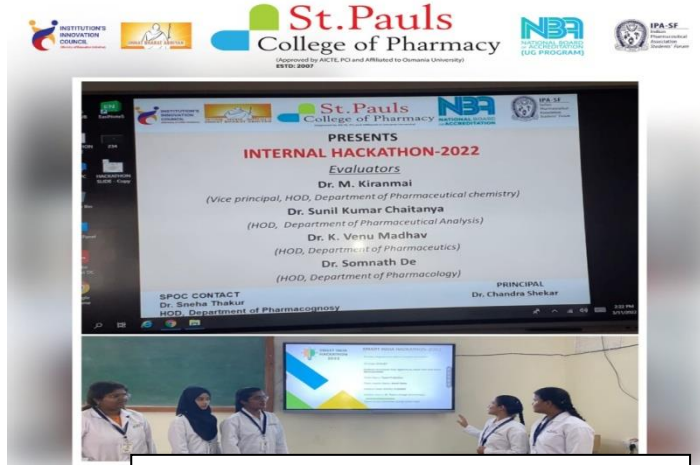
I. List if any break through Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation

1. Integrated manure processing unit: Developed a process of integrated unit, about to file idea patent.
2. Antialopecia hari oil: through natural ingredients developed a antialopecia hair oil, developing a idea patent

J. Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs

- **ARIIA – participation and Rank:** ranked as partipating institute in 2021-2022
- **MSME incubation adoption:** incubation centre as per company act in the name of St.. Pauls innovation foundation was established.
- **Green ranking and sustainability:** ranked as star institute under green rankings

- **NISP Adoption status** - Trained Faculty, Policy Formulation, Policy Implementation training activities pertaining to innovation and startup
- **Smart India Hackathon:** the Hackathon was conducted and 15 working teams were selected for the final round in 2021. Currently registered for 2023 SIH.



CONDUCT OF SMART INDIA HACKATHON

- **UBA Unnath Bharath Abhiyan:** A MHRD initiative for development of rural villages

St. Pauls College of Pharmacy
Approved by PCI, Affiliated to Osmania University
Accredited by NBA (UG Program) and NAAC with 'A+' Grade

ఈనాడు
epaper.eenadu.net

గ్రామీణాభివృద్ధిలో భాగస్వాములు కావడం సంతోషకరం

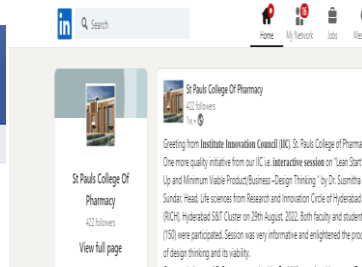
తుర్కయంజాల్ పురపాలక: కేంద్రీయ విద్యా మంత్రిత్వశాఖ, మానవ వనరుల అభివృద్ధిశాఖల సంయుక్త ఆధ్వర్యంలో నిర్వహిస్తున్న ఉన్నత భారత్ అభియాన్ పథకంలో భాగంగా తమ సంస్థ గ్రామీణాభివృద్ధిలో పాలుపంచు కున్నట్లు తుర్కయంజాల్ సెయింట్‌పాల్స్ ఫార్మసీ కళాశాల ప్రిన్సిపల్, ప్రోగామ్ కోఆర్డినేటర్ డాక్టర్ కిరణ్మయి అన్నారు. ప్రభుత్వ సహకారంతో మంచాల, తిప్పాయిగూడ, లింగంపల్లి, డాడ్‌పల్లి, చిత్తాపూర్ గ్రామాల్లో ఇంటింటి సర్వే చేపట్టి వివిధ సమస్యలపై సమగ్ర నివేదికను సిద్ధంచేసి కేంద్రానికి సమర్పించనున్నట్లు తెలిపారు. ఈ పథకం కింద 'కల్చివేషన్ ఆఫ్ బ్లాక్ రైస్ అండ్ మిల్లెట్స్' ప్రాజెక్టును ఆయా గ్రామాల్లో చేపట్టి అక్కడి రైతుల సాయంతో నలుపు రంగు వరి పండాలను పండించినట్లు ఆమె తెలిపారు.

Date : 06/07/2023 EditionName : TELANGANA
(HYDERABAD) PageNo : 05

K. Detail of Social Media & Connections of IIC institute:



Facebook.com



LinkedIn.com



Twitter.com



Instagram.com

L. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell





M. Images

Mentoring program and expert talk by innovation ambassadors on women entrepreneurial skills



Entrepreneurship skills development program in association with TASK



Celebration of G20 presidency



Celebration Of National Youth Day



ATL mentor ship program on developing prototypes



Launch Of MSME Idea Hackathon

MSME
MICRO, SMALL & MEDIUM ENTERPRISES
सूक्ष्म, लघु एवं मध्यम उद्यम
OUR STRENGTH • हमारी शक्ति

Ministry of MSME, Govt. of India

MSME IDEA HACKATHON 3.0 FOR WOMEN INNOVATORS

27th JUNE 2023 - 11th JULY 2023

Submit Ideas/Innovations

Get Validation at Proposal Under Consideration Stage

Receive Financial Assistance upto Rs.15 Lakh per Approved Idea

Sectors

Agriculture

Health Care

Power

Services

Miscellaneous

For Registration

Who can apply?
Women Owned MSME/Women Students/Other Women
Aspirants are requested to select St. Pauls (HBI) in the dropdown menu

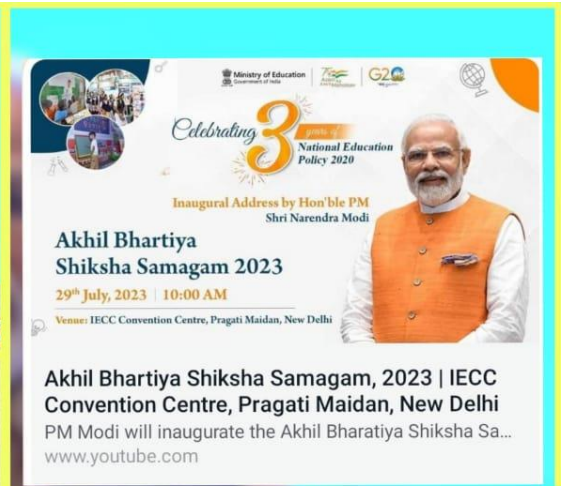
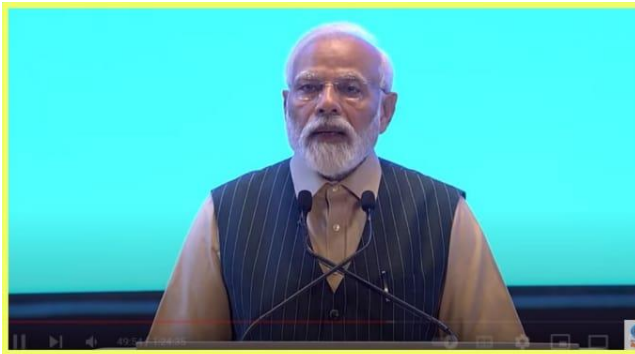
To participate & know the details, Scan QR Code

CONTACT: +91 96032 41824, +91 82477 86894

St. Pauls
College of Pharmacy

Approved by PCI, Affiliated to Osmania University
Accredited by NBA (UG Program) and NAAC with 'A+' Grade

MIC Driven Activity on celebration Of Akhilabharata Sangram And NEP



N. Contact:

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