

## Full Report

### Vinayaka Mission's College of Pharmacy [ ARI-C-10216 ]

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

Srno	Department / Center / Unit Name	Type of Department / Center / Unit	Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
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Srno	Department / Center / Unit Name	Type of Department / Center / Unit	Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
1	Vinayaka Missions College of Pharmacy	Academic Department with lab facility	Research	At all level	Both	843	39	32

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

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	No	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IC201912864
Trained Innovation Ambassadors at HEI	NO	Not Required
Participation in Smart India Hackathon (SIH)	No	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	No	Not Required
Participation in National Education Alliance of Technology (NEAT)	No	Not Required

## Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

<b>Srno</b>	<b>Name of Event/Activity (Full Name)</b>	<b>Event/Activity Theme</b>	<b>Event/Activity Type</b>	<b>Event/Activity Category</b>	<b>Event/Activity Level</b>	<b>Organizing Department/Centre/Study Body Name</b>
1	Generic Drug Development as per Korean FDA	IPR	Workshop	Institute Lead Activity	International	Pharmaceutical Production Department, CELLTRION, II South Korea

Srno	Name of Event/Activity (Full Name)	Event/Activity Theme	Event/Activity Type	Event/Activity Category	Event/Activity Level	Organizing Department/Centre/Study Body Name
2	Dyslipidemia-Pharmacotherapy and Clinical Management	Innovation	Workshop	Student Lead Activity	International	Pharmacology Unit, AIMST University, Malaysia
3	Practice School Module	Entrepreneurship/Startup	Workshop	Institute Lead Activity	National	Pharmacy

**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**

<b>Srno</b>	<b>Name of Event/Activity (Full Name)</b>	<b>Event/Activity Theme</b>	<b>Event/Activity Type</b>	<b>Event/Activity Level</b>	<b>Organizing Agency / Institute Name</b>	<b>Organizing Agency Type</b>	<b>Event/Activity Start Date</b>	
1	National	Entrepreneurship/Startup	Conference	National	Mother Theresa Post Graduate and Research Institute of Health Sciences	Educational Institute	16-04-2019	
2	Pedagogic and personal effectiveness workshop	Entrepreneurship/Startup	Workshop	National	VMS Dental College, Salem	Educational Institute	20-06-2019	

**List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period 2018-19**

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Level of Course	Course Offering Department/Centre/Unit Name	Program Start Date	Program End Date
1	Intellectual Property Rights Specialisation	IPR	Short term Course	Short Term Certificate Course	Pharmacy	12-08-2019	14-01-2020
2	Research and Drug Development through clinical trials	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Pharmacy	12-08-2019	14-01-2020
3	Certificate Course in Pharmacovigilance and Pharmacoepidemiology	Entrepreneurship/Startup	Short term Course	Short Term Certificate Course	Pharmacy	12-08-2019	14-01-2020

**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 Department/Centre/Unit Name	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	T N O C T U R E S
No data filled.										



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

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Received Training on I&E & IPR during AY 2019-20

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Received Training on I&E & IPR during AY 2019-20						
1	S.Sangeetha	Pharmaceutical Chemistry	Assistant Professor	Yes <table border="1"> <tr> <td><b>Degree Name</b></td> <td>Biochemistry</td> </tr> <tr> <td><b>Degree Type</b></td> <td>Diploma</td> </tr> <tr> <td><b>Year of Degree Obtained</b></td> <td>2019</td> </tr> </table>	<b>Degree Name</b>	Biochemistry	<b>Degree Type</b>	Diploma	<b>Year of Degree Obtained</b>	2019	Yes
<b>Degree Name</b>	Biochemistry										
<b>Degree Type</b>	Diploma										
<b>Year of Degree Obtained</b>	2019										
<b>Training Details</b>											
Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery			
2	S.R.Nivetha	Pharmacy Practice	Assistant Professor	Yes <table border="1"> <tr> <td><b>Degree Name</b></td> <td>Current regulatory requirements for conducting clinical trials in India</td> </tr> <tr> <td><b>Degree Type</b></td> <td>Diploma</td> </tr> <tr> <td><b>Year of Degree Obtained</b></td> <td>2019</td> </tr> </table>	<b>Degree Name</b>	Current regulatory requirements for conducting clinical trials in India	<b>Degree Type</b>	Diploma	<b>Year of Degree Obtained</b>	2019	Yes
<b>Degree Name</b>	Current regulatory requirements for conducting clinical trials in India										
<b>Degree Type</b>	Diploma										
<b>Year of Degree Obtained</b>	2019										



Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Received Training on I&E & IPR during AY 2019-20			
<b>Training Details</b>								
Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

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

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Club with Access to Other I&E Facilities at the HEI	No of Programs /Activities Organized During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email
1	VMCP Alumni Association	Startup Club	2019	Work Stations	Innovation Labs	2	M.V.Kumudhavalli	kumudhu27@gmail.com

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

Srno	Name of Centre	Type of Facility	Year of Facility Creation	Facility Incharge Name	Facility Incharge Email	Facility Incharge Phone	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation & Incubation Centre/Facilities?	Had institute Generated Income either from Services Offered by Pre-Incubation & Incubation Centre/Facilities?
No data filled.								

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

Srno	Name of Centre	Year of Facility Creation	Facility Incharge Name	Facility Incharge Email	Facility Incharge Phone	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation & Incubation Centre/Facilities?	Had institute Generated Income either from Services Offered by Pre-Incubation & Incubation Centre/Facilities?
1	Centre of Excellence	2017	S.Alexander	alexmpharm@gmail.com	9952137069	Yes	Yes
							<div style="border: 1px solid black; padding: 5px;"> <b>Total Annual Income from Training and Skill Development Services (In Rupees)</b> </div>

Srno	Name of Centre	Year of Facility Creation	Facility Incharge Name	Facility Incharge Email	Facility Incharge Phone	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation & Incubation Centre/Facilities?	Had institute Generated Income either from Serv Offered by Pre-Incubation & Incubation Centre/Facilities
							Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)
							Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)

**Grant / Funds Recieved by Facilities**

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)

**List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)**

Srno	Name of Centre	Year of Facility Creation	Facility Incharge Name	Facility Incharge Email	Facility Incharge Phone	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation & Incubation Centre/Facilities?	Had institute Generated Income either from Services Offered by Pre-Incubation & Incubation Centre/Facilities?
No data filled.							

**List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)**

Srno	Name of Centre	Year of Facility Creation	Facility Incharge Name	Facility Incharge Email	Facility Incharge Phone	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation & Incubation Centre/Facilities?	Had institute Generated Income either from Services Offered by Pre-Incubation & Incubation Centre/Facilities?
No data filled.							

**List the IPR Cell/Technology Transfer Centre Facilities at the HEI**

Srno	Name of Centre	Year of Facility Creation	Facility Incharge Name	Facility Incharge Email	Facility Incharge Phone	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation & Incubation Centre/Facilities?	Had institute Generated Income either from Services Offered by Pre-Incubation & Incubation Centre/Facilities?
No data filled.							

**Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

**Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

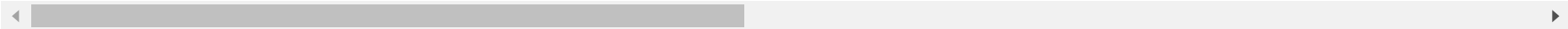
Srno	Name of the Faculty/Staff	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	S.Sangeetha	Assistant Professor	Entrepreneurship/Startup Development	3
<b>Mentorship Details</b>				
<b>Name of Idea/Innovation/ Startup Mentored</b>		<b>Mentoring Setup [Within (or) Outside] HEI</b>		<b>CIN (in case it is Startup)</b>
NPTEL course		Within		

**Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups**

Srno	Name of the External Expert/Agency as Mentor	Type of Mentorship	Mentor Expert Area
No data filled.			

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

Blank area for listing innovations, development status, and recognitions received.

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Type of Technology	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation/Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation, of TRL reached as on 31st 12 2020
								

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

<b>Srno</b>	<b>Name of Centre</b>	<b>Type Of Innovation</b>	<b>Nature Of Innovation</b>	<b>Type Of Innovation Sub</b>	<b>Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development</b>	<b>Venture Developed by</b>	<b>Status of Pre-Incubation/Incubation Support to Venture as on 31st March 2020</b>
1	Certificate Course on Entrepreneurship Skills	Management Process	Non-Technological		Centre of Excellence	Student-Faculty	Graduated from the Incubation unit
<b>Principal Innovator</b>							
<b>Name</b>		<b>DIN number</b>			<b>Type</b>	<b>Gender</b>	<b>Email</b>
B.Arul		PVAC01			Faculty	Male	arul19
<b>Co-Founders</b>							
<b>Name</b>				<b>DIN number</b>		<b>Type</b>	<b>Gender</b>
V.Muruganantham				PVAC01		Faculty	Male

2	Certificate Course on GST for MSME owners	Management Process	Non-Technological		Centre of Excellence	Student-Faculty	Graduated from the Incubation unit	
<b>Principal Innovator</b>								
<b>Name</b>			<b>DIN number</b>		<b>Type</b>		<b>Gender</b>	
R.Margret Chandira			PVAC02		Faculty		Female	
<b>Co-Founders</b>								
<b>Name</b>			<b>DIN number</b>		<b>Type</b>		<b>Gender</b>	<b>Email</b>
P.Palanisamy			PVAC02		Faculty		Male	palanis
3	MEDICINAL NUTRITION MANAGEMENT	Management Process	Non-Technological		Centre of Excellence	Student-Faculty	Graduated from the Incubation unit	
<b>Principal Innovator</b>								
<b>Name</b>			<b>DIN number</b>		<b>Type</b>		<b>Gender</b>	<b>Email</b>
M.Kumar			PVAC03		Faculty		Male	kumarv



Co-Founders				
Name	DIN number	Type	Gender	Email
J.Banurekha	PVAC03	Faculty	Female	ban

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NATURAL PRODUCTS AND MEDICINAL IMPORTANCE

Management Process

Non-Technological

Centre of Excellence

Student-Faculty

Graduated from the Incubation unit

Principal Innovator			
Name	DIN number	Type	Gender
M.V.Kumudhavalli	PVAC04	Faculty	Female

Co-Founders				
Name	DIN number	Type	Gender	Email
Senniappan	PVAC04	Faculty	Male	senniapp



**List all the Innovations/Venture/Startups for which HEI has facilitated Angel/Venture Capital Fund**

**List all the Innovations/Venture/Startups for which HEI has facilitated Angel/Venture Capital Fund**

**Data required for Financial Year (2019-20)**

## Empaneled Mentoring Service Support

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Type of Innovation	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Innovation Developed by
1	Nano formulation of alpha curcune extract in alzheimers disease	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Product Innovation	Technological	IP/Patented Technology	Student-Faculty
2	ISOLATION OF CALCIUM IONS FROM CHICKEN EGG SHELL POWDERS, FORMULATING AS ORAL PASTE FORMULATION FOR REMINERALIZATIONOF DEMINERALIZED	TRL 1 : Basic research. Principles postulated and observed but no experimental proof	Process Innovation	Technological	IP/Patented Technology	Faculty

	ENAMAL	available.				
3	Rapid determination of counterfeit drugs using near infra-red spectroscopy	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Process Innovation	Technological	IP/Patented Technology	Faculty
4	Formulation and evaluation of herbal anti-diabetic drugs	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Process Innovation	Technological	IP/Patented Technology	Faculty
5	Formulation and evaluation of oral jellies of anti-ulcer drugs	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Process Innovation	Technological	IP/Patented Technology	Faculty
6	Solid lipid particles for the management of cardiovascular disease	TRL 1 : Basic research. Principles	Process Innovation	Technological	IP/Patented Technology	Faculty

		Principles postulated and observed but no experimental proof available.				
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### Ventures Established with the Support of the HEI



Srno	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation of Venture/Startup/SME Unit	Nature of Innovation	Type of Innovation	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Venture Founded by
1	Certificate Course on Entrepreneurship Skills	Management Process	Non-Technological		CoEFacilities	Student Faculty
2	Certificate Course on GST for MSME owners	Management Process	Non-Technological		CoEFacilities	Student Faculty
3	MEDICINAL NUTRITION MANAGEMENT	Management Process	Non-Technological		CoEFacilities	Student Faculty

4	NATURAL PRODUCTS AND MEDICINAL IMPORTANCE	Management Process	Non-Technological		CoEFacilities	Stude Facult
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### List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaborated	No. of Student Projects	Date of MOU / Agreement Signed on
1	Bangalore antibiotics	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	1	19-07-2019
2	Delvin formulation	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	2	11-01-2019
3	Medias Health Care	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	2	30-10-2019
4	Madras Pharmaceuticals	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	3	14-12-2020

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaborated	No. of Student Projects	Date of MOU / Agreement Signed on
5	PRS Pharmaceuticals	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	2	13-06-2019
6	JKK Munirajah college of Pharmacy	Educational Institute	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	1	23-01-2019

**List the IPs Filed/Published/Granted (Copy Right & Designs Only) by the HEI as Co-applicant/Co-owner**

Srno	Title/Name of IP	Type of IP	Registration Number	Date of Filed/ Published (Month, Year)	Current Status of IP as on 31st March 2020
No data filled.					

**List the IP (Patents only) Filed by the HEI as Co-applicant/Co-owner**

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Month, Year)
No data filled.			

**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
No data filled.				

## List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

Srno	Name of Technology Licenced/Transferred/ Commercialized	Technology Type	Type of Transfer	Patent/Licence Holder name (Institute Co-ownership is Must)	Patent/Licence Number	Had the institute generated income from Technology Transfer/Licensing?	Total Annual Income Received from Technology Transfer/ Licensing (In Rupees)
1	A Novel Approach to formulate controlled release floating microspheres of Pentoxiphylline	IP/Patented Technology	Licensing with Royalty Sharing	Vinayaka Missions University	352556	No	---

