



Vishnu Institute of Pharmaceutical Education and Research
Narsapur, Medak District – 502 313, TS

ANNUAL REPORT 2020-21

Vishnu Institute of Pharmaceutical Education & Research (VIPER) was established under the aegis of Sri Vishnu Educational Society (SVES) in the year 2007 inaugurated by His Excellency Dr. A.P.J. Abdul Kalam, Former President of India on 16th August 2007. The institute is affiliated to Jawaharlal Nehru Technological University, Hyderabad Telangana, and approved by the AICTE and PCI, New Delhi. With our strong national and international connections, the institute has earned a reputation as a premier institute offering B.Pharmacy (100) and M.Pharmacy in Pharmaceutics (15), Pharmaceutical Analysis & Quality Assurance (15) and new branch introduced Pharmacology (12) intake. It is the only pharmaceutical educational institute in Telangana that has been accredited by both NBA and NAAC. As per the guidelines of innovation cell, MHRD, Government of INDIA, the institution has established an institution innovation council (IIC). Institution has been recognized by the DSIR under SIRO. Through its partnership with Life Science Skill Sector Development Council (LSSSDC), the Institute has strong industrial relations.

The institute has well-equipped laboratories catering to the various interests of its researchers. Facilities include the Centre for Molecular and Cancer Research (CMCR), the Cognitive Science Laboratory, nutraceutical development facilities, and the Centre for Nanotechnology. Research grants from a variety of funding agencies demonstrate the faculty's strong research potential. Additionally, the institution engaged in various industrial consulting projects and research results were published in reputed journals and patented. The institute is well connected with WI-FI round the clock for the benefit of the students. We have a well-equipped air-conditioned seminar room with the latest technology to host national and international conferences, seminars, etc. Sports facilities and a spacious canteen are available at the college. Students and faculty have access to hygienically prepared food. Transportation and accommodation are provided for both students and faculty. As a health care institution, the institute is dedicated to providing quality education and empowering students to meet society's needs.

Details of the Conferences / Workshops / FDPs conducted:

Dates (from-to) (DD-MM-YYYY)	For Teaching Staff	For Non-teaching Staff
25-09-2021 to 25-09-2021	IIC Impact lecture sessions(Academic Research Innovation)	—
22-07-2021 to 22-07-2021	—	Service Attitude and Hospitable personalities
25-03-2021 to 25-03-2021	Implementation of social entrepreneurship,swatchata and rural engagement business idea Activities	—
01-03-2021 to 01-03-2021	Course Networking	—
19-02-2021 to 19-02-2021	Recent Advances in cancer and role of Pharmacist in cancer care	—
23-09-2020 to 23-09-2020	National Education Policy	National Education Policy
14-09-2021 to 14-09-2021	Continous Pharmacist Education and Enrollment on Right Access	—

Details of the Seminars/ Conferences / Workshops / Refresher Courses / Orientation Courses/ FDP's attended during the academic year 2020-21

Name of the Staff	Title of the Programme	Date of conduct
B.Lakshmi Satya	New Technology development of advanced drug delivery in life threatening diseases	20-09-2021 to 25-09-2021
	Recent trends on Pharmaceutical and Biomedical Research	03-08-2021 to 07-08-2021
Mr.P.Rajasekhar	“Molecular Neuroscience: From Cells to Circuits in Health Disease”	28-06-2021 to 03-07-2021.
Dr.C.Soujanya	New Dimensions of Teaching Learning Practices in Pharmaceutics	20-09-2021 to 24-09-2021
	Recent trends on Pharmaceutical and Biomedical Research	03-08-2021 to 07-08-2021
	New Technology development of advanced drug delivery in life threatening diseases	20-09-2021 to 25-09-2021
Dr.Jahnvai.B	New Dimensions of Teaching Learning Practices in Pharmaceutics	20-09-2021 to 24-09-2021
	Advances in Pharmaceutical Formulations and Regulatory pathways Globally for small molecules, medical devices & biologics	22-02-2021 to 27-02-2021
	Approaches to teaching and self efficacy beliefs	18-01-2021 to 23-01-2021
	Innovation Ambassador Training	30-06-2021 to 30-07-2021
Dr.D.Santosha	Alternative fields (ATAL)	
	3-D Printing and Design	
	Hands on training cell and tissue culture based bioactivity assessment	30-08-2021 to 04-09-2021
	Online Education and Digital tools	03-07-2021 to 07-07-2021

	Preclinical and clinical aspects in molecular neurosciences	28-06-2021 to 03-07-2021
	e-Faculty Development Programme on Teaching, Learning and Evaluation	15-06-2021 to 19-06-2021
	Growing Entrepreneurial Mindset	12-07-2021 to 26-07-2021
	Innovation Ambassador Training	30-06-2021 to 30-07-2021
Mr.P.Subramanyam	Emerging trends in Drug design and development	15-03-2021 to 26-03-2021
	Drug development approaches in molecular neuroscience	24-05-2021 to 29-05-2021
	Emerging trends in Pharmaceutical research	20-02-2021 to 15-05-2021
	Innovation Ambassador Training	30-06-2021 to 30-07-2021
Dr.K.Vanitha	Naya Bharat e-series by Unnat Bharat Abiyan	29-11-2020 to 09-05-2021
	Innovation ambassador training by MoE's Innovation cell & AICTE	30-06-2021 to 30-07-2021
	Growing Entrepreneurial Mindset	12-07-2021 to 26-07-2021
Dr.K.Ramanjaneyulu	Innovation ambassador training by MoE's Innovation cell & AICTE	30-06-2021 to 30-07-2021
Mr.MD.Faheemuddin	Growing Entrepreneurial Mindset	12-07-2021 to 26-07-2021
	Innovation Ambassador Training	30-06-2021 to 30-07-2021
Dr.VVS.Rajendra Prasad	Growing Entrepreneurial Mindset	12-07-2021 to 26-07-2021
Mr.B.Kishorekumar	Growing Entrepreneurial Mindset	12-07-2021 to 26-07-2021

Number of extension and outreach Programmes conducted by the institution:

Name of the activity	Organizing unit/ collaborating agency	Name of the scheme
Azadi ka amrut mahostav	Nehru Yuva Kendra & NSS-JNTUH	Walkathon
Implementation of social entrepreneurship, swachhata and rural engagement business idea activities	NSS, VIPER & MGNCRE	Role of Social Entrepreneurship, Swachhta, and Rural Engagement
National Voters Day	NSS, VIPER	Nation voters' pledge
Drug De-Addiction	NSS, BVRIT	Drug De-Addiction
5k run	ISKCON, Kukatpally	Kill cancer
Cancer awareness	NSS, VIPER	Cancer awareness
Haritha Haram program	NSS, VIPER	Haritha Haram
Online Awareness Quiz on National Service Scheme	NSS, VIPER	NSS awareness
Independence day celebrations	NSS, VIPER	Independence day
International Pharmacy e-poster	NSS, VIPER	International E-Poster

competition		conference
Fit India freedom run	NSS, VIPER	Fit India
Constitution Day celebrations	NSS, VIPER	Constitution Day
Plastic free campaign in adopted villages	UBA, VIPER	Plastic free campaign
Meeting with Rustumpet Sarpanch Mr. Vijaya bhaskar reddy to discuss the plan of action	UBA, VIPER	Identify the problems in adopted villages
A blood donation camp	UBA, VIPER	Social service
Village development survey	UBA, VIPER	Village development plan
Awareness in prevention of COVID 19	UBA, VIPER	Prevention of COVID-19
Development of environment friendly disposable neem tooth brush	UBA, VIPER	Perrenial assistance
Interacted with Avancha Sarpanch to know the affect of COVID in adopted villages	UBA, VIPER	support the village people in crisis
Training has given to the women to prepare the masks by using cloth	UBA, VIPER	Empowerment of women in crisis

Number of MoUs with institutions, other universities, industries, corporate houses etc.

Name of the institution/ industry/ corporate house with whom MoU is signed	Duration	List the actual activities under each MOU and web -links year-wise
National Institute of Technology, Agarthala	2 Years	Effects of different monosaccharides on thermal stability of phycobiliproteins from Oscillatoria sp. (BTA-170): Analysis of kinetics, thermodynamics, colour and antioxidant properties
Granules India Ltd	3Years	Training to employees
WWF INDIA	2 Years	Education on given theme through movie screening. expert talks and interactive activities.
Suraksha	3 Years	Formulation of Potassium Chloride mg and mg extended release tablets
Dr.Reddys	3Years	Training to employees
Konkuk University, South Korea	2 Years	Coriandrum Sativum attenuates Microglia Mediated Neuroinflammation and MPTP Induced Behavioral and Oxidative Changes In Parkinson's Disease Mouse Model
Indian Matters Foundation	2 Years	Education
CSIR- National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala.	3 years	Cytotoxicity Studies of some novel fluoro acidone derivatives against sensitive and resistant cancer cell lines and their mechanistic studies
Chemiloids	3years	ELISA testing for biological samples

Details of Patents:

S.NO.	NAME OF THE INVENTOR	TITLE	Application Number	YEAR OF PUBLISHING	YEAR OF GRANT
1	Bandla Jahnvi & Nameera Jabeen	An HPLC Based Method for determination of impurities in Lansoprazole	202141040233A	2021	-
2	Dr.Alluri Ramesh & P.Rajashekar	Evaluatiuon of Cardioprotective activity of followers of Buteamonosperma against IsoProterenol induced cardiac hypertrophy in wistard albino Rats	202041057440A	2020	-
3	M Narsimulu Yadav	A common fixed point theorem for compatible mapping of type (C)	2021141006283A	2021	-
4	M Narsimulu Yadav	Planning for reducing project completion time of flyover repair by using Goal Programming	202041055882A	2020	-

Guest lectures:

S.No	Name of the guest Lecture	Date	Year of students attended
1.	Pharmaceutical Drug Discovery Research-a Pre clinical Perspective	06-07-2020	I,II,III,IV and PG (online)
2.	Role of Inflammasomes in Obesity-Induced Glomerular Sclerosis	07-07-2020	I,II,III,IV and PG (online)
3.	Effective targeting of SARS-COV-2 Stemcology approach	08-07-2020	I,II,III,IV and PG (online)
4.	Physiotherapy role in COVID-19	09-07-2020	I,II,III,IV and PG (online)
5.	Human Pluripotent Stem cell-Derived Cardiomyocytes (hpcs-CMs) in Disease Modelling and Drug Screening	10-07-2020	I,II,III,IV and PG (online)
6.	Impact and science of yoga on Respiratory issues- Specially to COVID-19	11-07-2020	I,II,III,IV and PG (online)
7.	Career Opportunities for Phama Graduates	11-09-2020	I,II,III,IV and PG (online)
8	Insights of Pharma trends and New drug discovery	09-11-2020	I,II,III,IV and PG (online)
9	Implementation of social entrepreneurship- SWACHHATA and Rural Engagement Business idea activities	25-03-2021	I,II,III,IV and PG (online)
10	Online Study Abroad		IV Year B.Pharmacy

Number of books and chapters in edited volumes/books published:

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the Book	National / International	Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher
1	Dr. K. Vanitha	New and future developments in microbial biotechnology and bioengineering	Algal biofertilizer towards green sustainable agriculture	National	2021	978-0-323-85579-2	
2	Dr. K. Vanitha Dr. D. Santhosha	New and future developments in microbial biotechnology and bioengineering	Cyanobacteria as potential bio resources for mutlifaceted sustainable utilization	National	2021	978-0-323-85579-2	

Details of Ongoing Projects / Consultancies:

Title/ Description	Principal investigator	Duration /time period	Sponsoring Organization	Funding Amount	Remarks
Patent- a Novel Combination in the treatment of Sinusitis and respiratory infections	A. Siva Mallikarjuna Reddy, Dr.A.Ramesh	-	-	-	
In-silico optimization and synthesis of novel and ragrapholade analogues as PI3K Inhibitors	Y.Viswanadham	3 Years (2019-2021)	ICMR, India (3-2-2-56/2019)	1,370,400	Ongoing
A Syposium on 3D printing technology in dosage from design and drug delivery	Dr.K.Vanitha	1 year (2020)	AICTE, India (67-23/RIFD/GOC/Policy-3/2019-20)	145,000	Ongoing
Design of HOCL generator by using electro chemical activation method for disinfection in COVID	Dr.K.Vanitha	1 year (2020)	UBA, MHRD, India	100,000	Ongoing
For identifying development challenges in adopted villages	Dr.K.Vanitha	1 year (2020)	UBA, MHRD, India	50,000	Ongoing
"Development and Characterization of letrozole loaded polymeric nanoparticulate formulations to induce programmed cellular death in breast cancers: in-vitro & in-vivo evaluation studies".	Dr.V.V.S.Rajendra Prasad / Mrs M Sandhyarani	3 Years (2020-2022)	ICMR, India	1,366,000	Ongoing
Socio-economic upliftment of Schedule cast community	Dr.K.Vanitha	3 Years (2020-	Department of Science and	7,786,202	Ongoing

through cultivation of Spirulina biomass and commercial exploitation (SEED/SCSP/2019/80)		2022)	Technology (DST)		
Perrenial assistance for effective delivery of UBA	Dr.K.Vanitha	1 Year	UBA, MHRD, India	175,000	Ongoing
Virkow Biotech Pvt Ltd	Dr.V.V.S.Rajendra Prasad	3 years	Virkow Biotech Pvt Ltd	100,000	Ongoing
Chemiloids Life Sciences Private Limited	Dr.V.V.S.Rajendra Prasad / Dr.A.Ramesh	3 years	Chemiloids Life Sciences Private Limited	150,000	Ongoing
Development of Floating Drug Delivery system for Peptic Ulcer (Projects sponsored by the University)	Dr A Ramesh	3 years	JNTUH	299,600	Ongoing
Formulation of edible jellies (Industry sponsored)	Dr.K.Vanitha	1 year	Suraksha Pharmaceuticals pvt.ltd	200,000	Completed

No. of Publications by Staff & Students: 27

Examination Results:

Year & Semester B.Pharmacy	No. of Students Appeared	No. of Students Passed	No. of Students Failed	Pass %
I/I(20DH)	97	52	45	53.6
I/II(20DH)	100	56	44	56
II/I(19DH)	99	73	26	73.74
II/II(19DH)	95	37	58	38.94
III/I(18DH)	93	66	27	70.97
III/II(18DH)	92	56	36	60.86
IV/I(17DH)	95	67	28	70.53
IV/II(17DH)	95	44	51	46.31

Year & Semester M.Pharmacy (Pharmaceutics)	No. of Students Appeared	No. of Students Passed	No. of Students Failed	Pass %
I/I(20DH)	09	05	04	55.55
I/II(20DH)	09	05	04	55.5
II/I(19DH)	09	07	02	77.7
II year(19DH)	09	04	05	44.44

Year & Semester M.Pharmacy (Pharmaceutical Analysis)	No. of Students Appeared	No. of Students Passed	No. of Students Failed	Pass %
I/I(20DH)	12	09	03	75
I/II(20DH)	12	08	03	72.7
II/I(19DH)	11	11	0	100
II year(19DH)	11	4	7	36.36

Year & Semester M.Pharmacy (Pharmacology)	No. of Students Appeared	No. of Students Passed	No. of Students Failed	Pass %
I/I(20DH)	05	02	03	40
I/II(20DH)	05	04	01	80

Training and Placements details (during Academic Year 2020-2021):

S.No.	Organization name	Total
1	GEN BIO SCIENCES PVT LTD	03
2	APARNA PHARMACEUTICALS PVT. LTD.	01
3	TCS	04
4	DIVIS LABORATORIES	01
5	LEIUTIS PHARMACEUTICALS	01
6	AIZANT DRUG RESEARCH SOLUTIONS PVT. LTD.	03
7	JEEVAN SCIENTIFIC TECHNOLOGY LIMITED	07
8	GOOD HEALTH INSURANCE TPA LTD	03
9	OMEGA HEALTHCARE	01
10	AIZANT PHARMA	09
11	TARINI RESEARCH CENTER PRIVATE LIMITED	01

National Level Competitive Examinations:

S.No.	Name of the Exam	No. of Ranks
1.	GPAT	10
2.	NIPER	06
3.	PGECET	28

Sports & Cultural Achievements

Name of the Student	Sports/Cultural	Level	Position
R.Premalatha	Cultural	National	First
T.Tharun	Sports	State	Consolation Prize

Major activities and achievements of the Institution:

i) Honors/ Distinctions/Awards/Rewards:

S.No.	Name of the faculty	Department	Recognition/Organisation	Year
1	Mr.D.Appaji	Pharmaceutical Chemistry	DBT Young Scientist Award with research grant.	2015 & 2016
2	Dr.V.V.S.Rajendra Prasad	Pharmaceutical Analysis.	SIPRA Innovation Award-2015	2015
3	Mr. A. Siva Mallikarjuna Reddy	Pharmacology	First prize at Ideation Boot Camp organized by NIT Trichy at JNTU Hyderabad.	2015

ii) Ph.D. Degrees awarded (during Academic Year 2020-2021):

Dr.D. Santhosha from JNTUH

Dr. Jahnabi B from GITAM (Deemed to be University)

Dr. C. Soujanya from JNTUH

15. Any other relevant/significant information:

District Green Champion Award was received from Ministry of Education, Govt. of India for marinating Best Practices of Swachata in Campus.

Workshops & Program on Career Aspiration in Pharmaceutical Sciences:



Vishnu cup 2021



Principal

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