



REGISTRATION FORM

A TWO- DAY NATIONAL WORKSHOP ON ARTIFICIAL INTELLIGENCE TOOLS FOR ACCELERATED DRUG DISCOVERY

(March 27th-28th, 2020)

1. Name :
2. Designation :
3. Institution :
4. e-mail :
5. Phone :
6. DD No. : Date :
- Bank :
7. Address for Correspondence :
.....
.....
.....
8. Accommodation required : YES / NO
Limited Accommodation is available in university
campus on payment basis.

Place:

Date:

Signature of the applicant

Chief Patrons

Dr. Lavu Rathaiah

Chairman,
Vignan's Group

Sri L. Sri Krishna Devarayalu

Vice Chairman,
Vignan's Group &
Member of Parliament
Narasaraopet Constituency
Andhra Pradesh

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Vice Chancellor

Cmde. Dr. M.S.Raghunathan

Registrar

Prof. K. Satya Prasad

Rector

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Dean, Academics

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Dean, IT, Services

Convenor

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Dean, P&M, VFSTR
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RESEARCH ADVISOR

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Prof. of Genetics, VFSTR

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Joint-Organizing secretaries

Dr. S Asha, Professor

Dr. D. John Babu, Professor

Dr. A. Ranganadha Reddy, Assoc. Prof

Dr. MD. Nazneen Bobby, Assoc. Prof

Student Co-ordinators

Mr. K.V. Ajay Krishna - 7799110730

Ms. K. Rohini (DBT-JRF) - 9949619719

Mr. A. Amaze Ph: 9989955251

Ms. Chandra Lekha- 9494704114

Ms. Suhana Tahaseen - 7032086818

Mr. Gangadhar Reddy - 7569479343

Mr. Syed Javid - 9182538874

Mr. Ch. Pavan Reddy- 809174532

Mr. Ch. Dwaraka - 8919442872

Mr. P. Vinay Teja- 7995479343

Mr. Kumar Raja- 9381694838

Ms. Harishtha Joy- 8008717797

Ms. Harichandana- 9603918269

Ms. K. Sravani -9182278879

Mr. Vishnu Vardan- 6304470428

Mr. O. Ajay - 9959480368

Mr. K. Kalyan- 9966118750

Mr. M. Upendra- 9014595854

Mr. N. Prasanth- 9398883432

Mr. K. Prasanth - 9246813355

Ms. D. Sweety

Ms. Vineela

Ms. T. Mahitha

Ms. N. Sanjana

Ms. Aiswarya

Ms. Geetha

Ms. N. Harini

Ms. T. Hansa

A TWO-DAY NATIONAL WORKSHOP ON

Artificial Intelligence Tools for Accelerated Drug Discovery

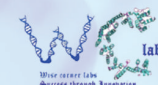
(March 27th-28th, 2020)



Organized by

Department of Biotechnology

In Association with
WISECORNER LABORATORIES



Last Date of Registration : 22-03-2020

www.vignanuniversity.org

Vadlamudi, Guntur - 522 213. Andhra Pradesh.

Tel : +91-863-2344 700 / 701



ABOUT VIGNAN

The young and vibrant University established in 2009 has set on a goal of academic excellence and poised for a tremendous growth in a very short span. This has been made possible due to the dynamic leadership of honourable Chairman Dr. Lavu Rathaiah, Vice Chairman Shri Lavu Krishnadevarayalu, Member of Parliament. The University is driven by values, ethics and a dedicated set of professionals. With greater emphasis on innovation, research, skill development and entrepreneurship, the University has entered an exciting phase and shouldering greater responsibilities in imparting technical skill development in keeping with our honorable Prime Minister's vision of Skill India, Make in India and Digital India.

THEME OF THE WORKSHOP:

Artificial Intelligence (AI) / Machine learning (ML) approaches provide a set of tools that can accelerate Drug discovery. AI / ML can enhance many stages of the drug discovery process. Examples include target validation, identification of prognostic biomarkers and analysis of digital pathology data in clinical trials. AI / ML based tools allows researchers to identify new targets and disease pathways amenable to combination therapy.

About Department of Biotechnology

Department of Biotechnology at VFSTR was established in the year 2006. It supports the rural development activity by promoting the cultivation of medicinal plants and mushrooms to the local farmers. Department is very well established with COE, animal cell culture facility, bioprocess laboratory, plant tissue culture lab, animal house, clean room, biogas plant and an ample strength of students (600 no.) and faculty. The department is supported by DST FIST and 10 research projects to the tune of Rs.2.00 crores. NMPB, New Delhi recommended Medicinal herbal garden at our Campus. Department offers B.Tech (Biotech, Bioinformatics), B.Tech. (Hons), M.Tech and Ph.D. Programs.

VFSTR : Vision

To evolve in to a centre of excellence in Science & Technology through creative and innovative practices in teaching - learning, towards promoting academic achievement and research excellence to produce internationally accepted, competitive and world class professionals who are psychologically strong & emotionally balanced imbued with social consciousness & ethical values.

Day -I SCHEDULE (27-03-2020)

8.00 am – 9.00 am	Registration
9.00 am – 10.00 am	Inaugural Session
10.00 am – 10.20 am	Tea Break
10.20 am – 12.00 pm	
Lecture on "Artificial intelligence powered drug discovery and Manufacturing"	
12.00 pm – 1.00 pm	Lunch Break
1.00 am – 2.30 pm	
Hands on Session – Machine Learning (ML) methods for Drug Target Prediction	
2.30 pm – 3.30 pm	
Target structure prediction using potentials from Deep Learning (Alpha Fold)	
3.45 pm – 5.00 pm	
Hands on Computer Session – Machine Learning (ML) based binding site prediction and ligand screening	

Day 2 SCHEDULE (28-03-2020)

8.30 am – 10.00 am	
Hands on Computer Session - Machine Learning (ML) based Denovo Drug Design and optimization	
10.00 am – 10.20 am	Tea Break
10.20 am – 12.00 pm	
Hands on Computer Session - Machine Learning (ML) based property and toxicity prediction	
12.00 pm – 1.00 pm	Lunch Break
1.00 pm – 2.30 pm	
QSAR using Deep Neural Nets - Hands on Computer Session	
2.30 pm – 4.00 pm	
Machine Learning (ML) based Drug synthetic planning/ Reaction outcomes & improved stereochemical Handling	
4.00 pm – 5.00 pm	Valedictory



REGISTRATION FEE

Students.....	Rs.1500/-
PhD Sch.....	Rs.1500/-
Faculty	Rs.2000/-

INSTRUCTIONS TO PARTICIPANTS

The fee includes Workshop manual, Certificates, DVD with Machine Learning Codes used in Bioinformatics & Drug Discovery.

Filled in Registration forms along with NEFT / IMPS/ RTGS transfer details or scan copy of DD can be e-mailed to

aiworkshop2020vfstr@gmail.com

Registration fee needs to be sent either in the form of DD favouring the VFSTR-MISCELLANEOUS, payable at Vadlamudi

For NEFT / IMPS/ RTGS payment transfer details

Name: VFSTR-MISCELLANEOUS;

Account No. 21890210000151,

UCO Bank, Vadlamudi-522213, Guntur Dt., A.P.,

IFSC Code – UCBA0002189 MICR Code- 520028104).

Accommodation will be arranged on payment basis at university hostels.

WORKSHOP RESOURCE PERSON

Dr. Shahul Hameed, Ph.D (IISc, Bangalore),
PDF (TIFR, Mumbai)
Principal Scientist & Technical Head @
Wisecorner Laboratories Pvt Ltd

VENUE

DST-FIST NETWORKING FACILITY LAB,
Dept. of Biotechnology

Vignan's Foundation for Science Technology and
Research (Deemed to be University) ,Vadlamudi,
Guntur-522213, A P