

# Vellore – 632014, Tamil Nadu, India

SCHOOL OF BIOSCIENCES AND TECHNOLOGY

MINUTES OF THE FIRST DOCTORAL ADVISORY COMMITTEE (DAC) MEETING

**Date: 25-06-2025 Time: 10.00 AM Venue: SMV G-33**

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| **Details of the Research Scholar** | | | | | |
| Name | DHIVYA G | | | Register  No. | 24PDT0002 |
| Programme | Ph. D (Deep Tech) | School / Center | SBST | Category | IFT |
| Proposed Area of  Research | **A study on the detection and validation of Protein-Protein Interaction Inhibitors for Cystic Fibrosis treatment using Machine Learning-driven virtual screening approach** | | | | |
| **Details of the Guide(s)** | | | | | |
|  | Name of the Faculty | | | Emp.ID | School / Centre |
| Guide | Dr. MANOOV R | | | 13337 | SCOPE |
| \*Co-Guide | *NA* | | | *NA* | *NA* |

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| --- | --- | --- | --- |
| **Members Present** | | | |
| **S.No.** | **Name** | **Designation with Affiliation** | **Role** |
| 1 | Dr. ABILASH V G | Associate Professor Senior, Department of Bio-Medical sciences, School of BioSciences & Technology, VIT, Vellore 632014. | Convenor |
| 2 | Dr. RM. VIDHYAVATHI | Assistant Professor, Department of Bio-informatics,  Alagappa University  Karaikudi – 630003. | External Member |
| 3 | Dr. C. JAYAPRAKASH | Assistant Professor, Department of Bio-informatics,  Bharathiar University  Coimbatore – 630003. | External Member |
| 4 | Dr. KUMAR K | Professor Grade I, Centre for Continuing Professional Development, VIT, Vellore 632014. | Internal Member |
| 5 | Dr. MANOOV R | Assistant Professor Senior, School of Computer Science and Engineering (SCOPE), VIT, Vellore. | Guide |

Summary of the DAC Meeting:

* The Convener welcomed all the Doctoral Committee.
* The candidate Ms. DHIVYA G (24PDT0002) introduced to the committee.
* Candidate was asked to give a brief presentation about the work carried out so for.

Candidate presented her work on “A study on the detection and validation of Protein-Protein Interaction Inhibitors for Cystic Fibrosis treatment using Machine Learning-driven virtual screening approach"

* After a thorough review of the progress of the candidate in her research work, the committee has approved the following courses taken by the candidate already.

1. PRES706L- Research Methods for Sciences
2. PRMC001L- Research and Publication Ethics
3. PENG504N- English for Researchers

* In addition, the following courses are suggested by the committee members.

1. Drug Design and Drug Discovery (Self Study Course)
2. Python programming for Bio-informatics (Self Study Course)
3. Introduction to Machine Learning (Online Course NPTEL)

* The Committee members suggested,

1. Dr. RM. Vidhyavathi (External Member)

a.

b.

c.

1. Dr. C. Jayaprakash (External Member)

a.

b.

c.

1. Dr. Kumar K (Internal Member)

a.

b.

c.

# The DAC members have approved the following course work papers.

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| **Course work Details** | | | | | | | |
| **S. No** | **Title of the Course** | **Course code** | **Category \*** | **L** | **T** | **P** | **C** |
| 1 | English for Researchers | PENG504N | PEN | 2 | 0 | 2 | 3 |
| 2 | Research Methods for Sciences | PRES706L | RES | 3 | 1 | 0 | 4 |
| 3 | Research and Publication Ethics | PRMC001L | RMC | 2 | 0 | 0 | 2 |
| 4 | Drug Design and Drug Discovery |  | SSC | 0 | 3 | 0 | 3 |
| 5 | Python programming for Bio-informatics |  | SSC | 0 | 3 | 0 | 3 |
| 6 | Introduction to machine learning |  | ONL | 2 | 0 | 0 | 2 |
|  |  |  | **Total Credits** |  |  |  | **17** |

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| **Approval** | | | |
| **S. No** | **Name of the Member** | **Role** | **Signature** |
| 1 | Dr. RM. VIDHYAVATHI | External Member |  |
| 2 | Dr. C. JAYAPRAKASH | External Member |  |
| 3 | Dr. KUMAR K | Internal Member |  |

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| **Signature of the Guide** | **Signature of the School Dean / Center Director with seal** |

Enc.: 1. Syllabi signed by all the members of DAC,

2. If a DC member is attending the meeting in online mode, email approval should be attached.