



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

## Certificate of Participation

This is to certify that

J.R.Beulah Thavamani Estherrani, Assistant Professor, Bishop Heber College, Tiruchirapalli, Bharathidasan

University, TamilNadu has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional

Theory Modelling of Materials: Nanoparticles, Thin Films, Unit Cell (**DFT-M**) organized by the Centre for Advanced

Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. NIKHIL AGGARWAL on Molecular Modelling

at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/1**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

[Nithya Pattusamy, Assistant Professor, Bharathi Women's College, Chennai](#)

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. NIKHIL AGGARWAL on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/2**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

Sreedevi S, Assistant Professor, Bharathi Women's College, Chennai

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. NIKHIL AGGARWAL on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/3**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

## Certificate of Participation

This is to certify that

Ashwani Kumar, Assistant Professor, PG Department of Chemistry, University of Jammu, Jammu and Kashmir has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M) organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. NIKHIL AGGARWAL on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**  
Head of the Department & Convener

Certificate No.: **2023/DFT-M/FDP/1/4**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

Jaysukh Markna, Assistant Professor, Saurashtra University, Gujarat

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. NIKHIL AGGARWAL on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/5**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

[Harsha Devnani, Assistant Professor, Manav Rachna University, Faridabad, India](#)

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. **NIKHIL AGGARWAL** on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/6**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

[VIJAYALAKSHMI ABARANJI, Assistant Professor, Madras University, Tamilnadu](#)

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. **NIKHIL AGGARWAL** on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/7**





# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

[Rushil Bhatt, Assistant Professor, MSU, Gujarat](#)

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. NIKHIL AGGARWAL on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/8**





# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

[Amol Pawar, Assistant Professor, S. M. Joshi College, Maharashtra, India](#)

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. NIKHIL AGGARWAL on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/9**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

[Dr. Monika Gupta, Assistant Professor, Jammu University, JKUT](#)

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. NIKHIL AGGARWAL on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/10**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

**Dr. SHAILI PAL, Assistant Professor, Harcourt Butler Technical University, Kanpur, India**

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. **NIKHIL AGGARWAL** on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/11**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India |<https://aimsdelhi.com>|

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

## Certificate of Participation

This is to certify that

Dr. Pradnya Deshpande, Associate Professor, Dr. Vishwanath Karad MIT World Peace University,

Maharashtra, India has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory

Modelling of Materials: Nanoparticles, Thin Films, Unit Cell (**DFT-M**) organized by the Centre for Advanced

Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. NIKHIL AGGARWAL on Molecular Modelling

at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/12**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

[Rashmi Pundeer, Associate Professor, Indira Gandhi University, Meerpur, Haryana, India](#)

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. NIKHIL AGGARWAL on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/13**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

[Kiran Kumar J K, Associate Professor, Sri Sathya Sai Institute of Higher Learning, Karnataka](#)

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. NIKHIL AGGARWAL on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/14**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

[Dr. Shashi Bala, Associate Professor, Lucknow University, UP, India](#)

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. NIKHIL AGGARWAL on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/15**





# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

## Certificate of Participation

This is to certify that

[Chaitanya Indira, Associate Professor, Plaksha University, Punjab](#)

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. **NIKHIL AGGARWAL** on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/16**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

[Kalpana Maheria, Associate Professor, SVNIT, Surat, Gujarat](#)

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. NIKHIL AGGARWAL on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/17**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

[Tanvi Dudharejiya, Saurashtra University, Rajkot, India](#)

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. NIKHIL AGGARWAL on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/18**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

[Chaitanya Ayyappan, Plaksha University, Punjab, India](#)

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. **NIKHIL AGGARWAL** on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/19**



# 1<sup>ST</sup> DFT-M (FDP)

## FACULTY DEVELOPMENT PROGRAM: MOLECULAR MODELLING AT NANOSCALE

Centre for Advanced Computational Research, New Delhi, India [<https://aimsdelhi.com>]

**DATE: 7<sup>TH</sup> JULY – 13<sup>TH</sup> JULY 2023**

### Certificate of Participation

This is to certify that

[Sandeep Pokharia, Professor, Banaras Hindu University, U. P.](#)

has actively participated in 1<sup>st</sup> Faculty Development Program (FDP) on Density Functional Theory Modelling of **Materials: Nanoparticles, Thin Films, Unit Cell (DFT-M)** organized by the Centre for Advanced Computational Research, Delhi from 7<sup>th</sup> – 13<sup>th</sup> July 2023 via Online Mode.

Hands-on-Training program included 7 Interactive Sessions by DR. NIKHIL AGGARWAL on Molecular Modelling at Nanoscale using Quantum Espresso and Burai software application.

**Dr. Nikhil Aggarwal**

**Head of the Department & Convener**

**Certificate No.: 2023/DFT-M/FDP/1/20**