
Day 1, Monday, May 20, 2024

09:00 am - 09:30 am	Registration
09:30 am - 09:45 am	Welcome
09:45 am - 10:45 am	Lecture by Prof. Shridhar Gadre (Hartree-Fock Theory-I)
10:45 am - 11:15 am	Tea/Coffee Break
11:15 am - 12:15 pm	Lecture by Prof. Shridhar Gadre (Hartree-Fock Theory-II)
12:15 pm - 01:15 pm	Lecture by Dr. Nityananda Sahu (Introduction to Molecular Tailoring Approach (MTA): Examples based on HF theory/DFT)
01:15 pm - 02:45 pm	Lunch Break
02:45 pm - 03:15 pm	Lecture and Demonstration by Dr. Subodh Khire (Technical details and utilities of MTA)
03:30 pm - 06:00 pm	Hands-on Session (MTA with Examples based on HF theory/DFT)

Day 2, Tuesday, May 21, 2024

09:30 am - 10:45 am	Lecture by Prof. Shridhar Gadre (Brief Introduction to post-Hartree-Fock methods)
10:45 am - 11:30 am	Tea/Coffee Break
11:30 am - 01:00 pm	Lecture by Dr. Santosh Kumar Das (Molecular dynamics and Brownian dynamics - I)
01:00 pm - 02:30 pm	Lunch Break
02:30 pm - 06:00 pm	Hands-on Session (MTA with Examples based on correlated theory such as MP2)

Day 3, Wednesday, May 22, 2024

09:30 am - 10:45 am	Lecture by Dr. Mantu Santra (Monte Carlo Method - I)
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10:45 am - 11:00 am	Tea/Coffee Break
11:00 am - 12:00 pm	Lecture by Dr. Santosh Kumar Das (Molecular dynamics and Brownian dynamics - II)
12:00 pm - 01:00 pm	Lecture by Dr. Mantu Santra (Monte Carlo Method - II)
01:00 pm - 02:30 pm	Lunch Break
02:30 pm - 06:00 pm	Hands-on Session

Day 4, Thursday, May 23, 2024

09:30 am - 11:00 am	Lecture by Dr. Sudipta Kanungo (Density Functional Theory - I: Concept and Methodology)
11:00 am - 11:30 am	Tea/Coffee Break
11:30 am - 01:00 pm	Lecture by Dr. Sudipta Kanungo (Density Functional Theory - II: Incorporation of spin and correlation)
01:00 pm - 02:30 pm	Lunch Break
02:30 pm - 06:00 pm	Hands-on Session

Day 5, Friday, May 24, 2024

09:30 am - 11:00 am	Lecture by Prof. Debashree Ghosh (Strong correlation in chemistry)
11:00 am - 11:30 am	Tea/Coffee Break
11:30 am - 01:00 pm	Lecture by Prof. Debashree Ghosh (Configuration interaction)
01:00 pm - 02:30 pm	Lunch Break
02:30 pm - 06:00 pm	Hands-on Session

Day 6, Saturday, May 25, 2024

09:30 am - 11:00 am	Lecture by Prof. Debashree Ghosh (Active space based methods)
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11:00 am - 11:30 am	Tea/Coffee Break
11:30 am - 01:00 pm	Lecture by Prof. Debashree Ghosh (Density Matrix renormalization group)
01:00 pm - 02:30 pm	Lunch Break
03:30 pm - 07:30 pm	Local Tour