Program: The Box's Summer School on Theoretical Physics & Complexities 2025

5-Jul-25	Field Theory, Cosmology and Mathematics	
09:00-10:00	From Quantum Mechanics to Quantum Field Theory I	Kumar Abhinav
10:00-11:00	From Quantum Mechanics to Quantum Field Theory II	Kumar Abhinav
11:00-11:15	Break	
11:15-12:00	From Quantum Mechanics to Quantum Field Theory III	Kumar Abhinav
12:00-13:30		
13:30-14:30	Introduction to Dark Energy I	Nandan Roy
14:30-15:30	Introduction to Dark Energy II	Nandan Roy
15:30-15:45	Break	
15:45-16:30	Set & Number Theory in Physics I	Thiti Sirithanakorn
6-Jul-25	Field Theory, Cosmology and Mathematics	
09:00-10:00	From Quantum Mechanics to Quantum Field Theory IV	Kumar Abhinav
10:00-11:00	From Quantum Mechanics to Quantum Field Theory V	Kumar Abhinav
11:00-11:15	Break	
11:15-12:00	Set & Number Theory in Physics II	Thiti Sirithanakorn
12:00-13:30		
13:30-14:30	Introduction to Dark Energy III	Nandan Roy
14:30-15:30	Introduction to Dark Energy IV	Nandan Roy
15:30-15:45	Break	
15:45-16:30	Introduction to Dark Energy V	Nandan Roy

12-Jul-25	Complexities	
09:00-10:00	Linear Algebra and Its Applications to Complex Systems I	Pradeep Bhadola
10:00-11:00	Linear Algebra and Its Applications to Complex Systems II	Pradeep Bhadola
11:00-11:15	Break	
11:15-12:00	Linear Algebra and Its Applications to Complex Systems III	Pradeep Bhadola
12:00-13:30		
13:30-14:30	Linear Algebra and Its Applications to Complex Systems IV	Pradeep Bhadola
14:30-15:30	Decoding the Complexities of Nature using Networks I	Vishal Chaudary
15:30-15:45	Break	
15:45-16:30	Decoding the Complexities of Nature using Networks II	Vishal Chaudary
13-Jul-25	Complexities	
09:00-10:00	Linear Algebra and Its Applications to Complex Systems V	Pradeep Bhadola
10:00-11:00	Linear Algebra and Its Applications to Complex Systems VI	Pradeep Bhadola
11:00-11:15	Break	
11:15-12:00	Decoding the Complexities of Nature using Networks III	Vishal Chaudary
12:00-13:30		
13:30-14:30	Decoding the Complexities of Nature using Networks VI	Vishal Chaudary
14:30-15:30	Decoding the Complexities of Nature using Networks V	Vishal Chaudary
15:30-15:45	Break	
15:45-16:30	Decoding the Complexities of Nature using Networks VI	Vishal Chaudary