

TEN DAYS HIGHER SECONDARY SCHOOL TEACHERS TRANSFORMATION PROGRAMME (HSSTTP) COMPUTER SCIENCE

Brochure



The brochure features a yellow and black color scheme. At the top left is a photograph of a white building with green trees. The top right section contains the text 'Directorate of General Education in association with Collegiate Education, Government of Kerala' and the state emblem of Kerala. Below this is the program title 'HIGHER SECONDARY SCHOOL TEACHERS TRANSFORMATION PROGRAMME (HSSTTP) COMPUTER SCIENCE'. The middle section includes a red logo for 'HSSTTP 2024', the text 'Ten Day Refresher Course', and the dates '16 - 25 February 2024'. The bottom left lists coordinators: Dr. Sabu M K, Dr. Rafidha Rehiman K A, and Mr Biswas K C. The bottom right features the department name 'Department of Computer Applications, Cochin University of Science And Technology' and a grid of resource persons, including Prof. (Dr.) P.G. SANKARAN, Vice-Chancellor, and eight other faculty members with their names and titles.

Directorate of General Education
in association with Collegiate
Education, Government of Kerala

**HIGHER SECONDARY SCHOOL TEACHERS
TRANSFORMATION PROGRAMME
(HSSTTP) COMPUTER SCIENCE**

**Ten Day
Refresher
Course**

**16 - 25
February
2024**

COORDINATORS

Dr. Sabu M K
Dr. Rafidha Rehiman K A
Mr Biswas K C

**Department of
Computer Applications**
Cochin University of Science And Technology

Thrust Areas

- Basic Computing Discipline
- Python Programming
- Artificial Intelligence
- Machine Learning
- Deep Learning
- System Network Administration
- Image Processing
- Web Programming
- IoT
- Explainable AI(XAI)
- Large Language Models
- Generative AI
- Adolescent Handling
- Innovation and Startups
- Research Methodology
- Data Science
- Cyber & Information Security
- Intellectual Property Rights

INAUGURATION



Prof. (Dr.)
P.G. SANKARAN
Vice-Chancellor

Resource Persons

 Prof. S.M. SIBIRI Professor Department of Statistics	 Dr. Sabu M. K. MCA, Ph.D.	 Dr. Vinod P. M.Tech., Ph.D.	 Dr. Vishnu Kumar S. M.Tech., Ph.D.
 Dr. Saravanan Chandrasekar Lecturer	 Dr. Rafidha Rehiman K. A. MCA, M.Tech., Ph.D.	 Dr. Deepika M. P. M.Tech., Ph.D.	 Dr. Anur K S. M.Tech., Ph.D.

Invitation



The staff and students of the Department of Computer Applications, Cochin University of Science and Technology request your esteemed presence for the Inaugural ceremony of ten days residential refresher course **Higher Secondary School Teachers Transformation Programme (HSSTP, 2023-24)**, organized by **Directorate of General Education in association with Collegiate Education, Government of Kerala** and conducted by the **Department of Computer Applications, Cochin University of Science and Technology**.

INAUGURAL CEREMONY – 16th February 2024, 9:30 AM

Welcome	Sri.Biswas KC , HSST Computer Science, SNHSS,Okkal
Presidential address	Dr. Sabu M K , Professor, Department of Computer Applications, Cochin University of Science and Technology
Inauguration	Prof. (Dr.) P G Sankaran , Hon. Vice Chancellor, Cochin University of Science and Technology
Felicitations	Smt. Rosa M G , Principal, Government Boys Higher Secondary School, Aluva
Vote of Thanks	Dr. Rafidha Rehiman K A , Assistant Professor, Department of Computer Applications, Cochin University of Science and Technology

Co ordinators

Dr. Sabu M. K.

Dr. Rafidha Rehiman K. A.

Mr. Biswas K. C.

Schedule and Course Content

Higher Secondary School Teachers Transformation Programme(Computer Science)-2024			
Department of Computer Applications, Cochin University of Science and Technology			
Schedule (16-02-2024 to 23-02-2024)			
Date	Time	Topic	Resource Person
16-2-2024	9.30 am	Inauguration	
	10.00 am - 10.30 am	Tea Break	
	10.30 am - 12.30 pm	Ice breaking	Biswas KC, HSST CORDINATOR
	12.30 pm - 01.30 pm	Lunch Break	
	1.30 pm - 3.30 pm	Ice breaking	Lavan IK, MIND TRAINER
	3.30 pm - 3.45 pm	Tea Break	
	3.45 pm - 5.30 pm	To be filled by HSST	Dr. Nishad, GHSS, Sholayur, Palakkad
17-2-2024	10.00 am - 11.00 am	Know your Learner	Dr. Mahesh, Professor, Govt college, Kuttanalloor, Thrissur
	11.00 am - 11.15 am	Tea Break	
	11.15 am -1.00 pm	Know your Learner	Dr. Mahesh, Professor, Govt College, Kuttanalloor
	01.00 pm -2.00 pm	Lunch Break	
	2.00 pm - 3.30 pm	Hardware Maintenance	Mr. Mahesh, Logic systems and Solutions
	3.30 pm - 3.45 pm	Tea Break	
	3.45 pm - 5.30 pm	Hardware Maintenance	Mr. Mahesh, Logic Systems
18-2-2024	09.00 am - 10.00 am	Modern Software Engineering	To be filled
	10.00 am - 11.00 am	Swarm Intelligence	Dr. Sabu M.K., Professor,

			Cochin University of Science and Technology
	11.00 am - 11.15 am	Tea Break	
	11.15 am -1.00 pm	Swarm Intelligence	Dr. Sabu M.K., Professor, Cochin University of Science and Technology
	1.00 pm - 2.00 pm	Lunch Break	
	2.00 pm - 3.30 pm	Cyber awareness for using Social media and cyber forensics	Dr.Rafidha Rehiman K.A., Assistant Professor Cochin University of Science and Technology
	3.30 pm - 3.45 pm	Tea Break	
	3.45 pm - 5.30 pm	Cyber awareness for using Social media and cyber forensics	Dr.Rafidha Rehiman K.A., Assistant Professor Cochin University of Science and Technology
19-2.2024	10.00 am - 11.00 am	Python Programming	Ms. Dincy R Arikkat, Ms. Sameera K. M. Cochin University of Science and Technology
	11.00 am - 11.15 am	Tea Break	
	11.15 am -1.00 pm	Python Programming	Ms. Dincy R Arikkat, Ms. Sameera K. M. Cochin University of Science and Technology
	1.00 pm - 2.00 pm	Lunch Break	
	2.00 pm - 3.30 pm	Python Programming	Ms. Dincy R Arikkat, Ms. Sameera K. M. Cochin University of Science and Technology
	3.30 pm - 3.45 pm	Tea Break	
	3.45 pm - 5.30 pm	Python Programming	Ms. Dincy R Arikkat, Ms. Sameera K. M. Cochin University of Science and Technology
20-2-2024	10.00 am - 11.00 am	Image Processing	Dr.Vishnukumar S., Associate Professor, Cochin University of Science and Technology. Sri.Jishnu C.R.
	11.00 am - 11.15 am	Tea Break	

	11.15 am -1.00 pm	Image Processing	Dr.Vishnukumar S., Associate Professor, Cochin University of Science and Technology. Sri.Jishnu C.R., Cochin University of Science and Technology.
	1.00 pm - 2.00 pm	Lunch Break	
	2.00 pm -3.30 pm	Introduction to Machine Learning	Dr. Arun K. S., Assistant Professor, Cochin University of Science and Technology.
	3.30 pm - 3.45 pm	Tea Break	
	4.00 pm -5.30 pm	Advanced Machine Learning	Dr.Sabu M.K., Professor, Cochin University of Science and Technology. Ms.Raseena, Cochin University of Science and Technology.
21-2-2024	10.00 am to 11.00 am	Journal Publication	Dr.Surendran Cherukodan, Assistant Librarian, Cochin University of Science and Technology
	11.00 am - 11.15 am	Tea Break	
	11.00 am -1.00 pm	Introduction to Deep Learning	Dr. Sabu M.K., Professor, Cochin University of Science and Technology
	1.00 pm - 2.00 pm	Lunch Break	
	2.00 pm -3.30 pm	Introduction to Cloud Computing	Ms. Hasna P, Cochin University of Science and Technology
	3.30 pm - 3.45 pm	Tea Break	
	3.45 pm - 5.45 pm	Large Language Models	Dr.Vinod P, Marie Curie Fellow, University of Padua, Italy & Professor, Cochin University of Science and Technology
22-2-2024	10.00 am -11.00 am	FYUG Programme	Dr. Sunoj S.M., Professor, Cochin University of Science and Technology
	11.00 am - 11.15 am	Tea Break	

	11.15 am -1.00 pm	Deep Learning	Dr.Sabu M.K., Professor, Cochin University of Science and Technology Ms.Asmitha K. A., Cochin University of Science and Technology
	1.00 pm - 2.00 pm	Lunch Break	
	2.00 pm - 3.30 pm	Explainable AI ,Generative AI	Dr.Sabu M.K., Professor, Cochin University of Science and Technology Ms.Asmitha K. A., Cochin University of Science and Technology
	3.30 pm - 3.45 pm	Tea Break	
	3.45 pm -5.30 pm	Create a chatbot using Large Language Models	Dr.Vinod P, Marie Curie Fellow, University of Padua, Italy & Professor, Cochin University of Science and Technology
23-2-2024	9.30 am -11.00 am	New generation data bases	Ms. Merin Paul, Cochin University of Science and Technology
	11.00 am - 11.15 am	Tea Break	
	11.15 am -12.45 pm	Android application Development using Flutter	Mr. Abhiram R.P.K, Cochin University of Science and Technology
	12.45 pm -1.30 pm	Lunch Break	
	1.30 pm -3.00 pm	Network Traffic Analysis	Ms. Dincy R Arikkat, Ms. Sameera K. M., Cochin University of Science and Technology
	3.30 pm - 3.45 pm	Tea Break	
	3.30-5.30	IOT Essentials	Dr.Rafidha Rehiman K.A., Assistant Professor Cochin University of Science and Technology, Ms.Archana Krishnan, Cochin University of Science Technology.

Event Photographs

