Sister Nibedita Government General Degree College for Girls

Hastings House, Alipore, Kolkata-27

Notice

Notice No: SNGGDCG/118   **Date: 08/04/2025**

The classes of SEC-2 (Artificial Intelligence) for B.Sc.(Semester-2, academic session 2024-25) will be started from 9th April, 2025 (Wednesday) at Sister Nibedita Hall. The students are hereby requested to attend the classes as per below mentioned schedule.

SEC 02 - AI : Marks: 50 + 50 (Credit-2+2)

Sl. No.	Subject Theme	Name of Teacher	Dates of Classes
(I)	**Unit-1:Introduction to Artificial Intelligence**	Dr. Bholanath Pakhira	09.04.25
	• Definition and scope of AI • Historical overview and key milestones • Differentiating AI from human intelligence		
(II)	**Unit-2:AI Subfields and Technologies**		
	• Machine learning: Supervised, unsupervised, and reinforcement learning • Deep learning and neural networks • Natural language processing (NLP) and computer vision	Smt. Debdatta Chakraborty (Roy)	21.05.25, 28.05.25
		Dr. Samit Bhanja	16.04.25, 23.04.25
(III)	**Unit-3:: Applications of AI**		
	• AI in healthcare: Diagnosis, treatment, and medical imaging • AI in finance: Fraud detection, algorithmic trading, and risk assessment • AI in transportation: Autonomous vehicles and traffic optimization	Dr. Samit Bhanja	30.04.25,
	• AI in customer service and chatbots • AI in education: Personalized learning and intelligent tutoring systems	Dr. SK Jahiruddin	07.05.25 14.05.25
(IV)	**Unit-4:Ethical and Social Implications of AI**		
	• Bias and fairness in AI systems • Privacy and data protection concerns • Impact of AI on employment and the workforce • AI and social inequality	Mr. Anish Darnal	04.06.25, 11.06.25 18.06.25
(V)	**Unit-5:Other Important Issues**		
	• Ethical guidelines and responsible AI practices • AI and Innovation • Emerging trends and future directions in AI • AI and creativity: Generative models and artistic applications	Dr. SK Jahiruddin	25.06.25, 02.07.25 09.07.25
	Term Paper	Dr. Bholanath Pakhira,Dr. SK Jahiruddin	16.07.25 till end of semester

Sd/-   Sd/-
Dr. Sebanti Bhattacharya   Dr. Bholanath Pakhira
Officer-in-Charge   Convener,
Sister Nibedita Government General Degree   SEC-2: Artificial Intelligence and Digital
College for Girls   Empowerment Committee