

**Faculty Development Programme**  
on  
**Neuro-Fuzzy Systems and Evolutionary Optimization with Application**  
(10/12/2018 – 15/12/2018)

**Program Schedule**

Day/Time	9.00-9.45 am	9.45 - 10.15am	10.15am -1.15 pm		2.30 – 4.30 pm		4.45-5.45 pm		
10/12/2018	Registration (L201), Inauguration(L202)	High tea	Introduction to MATLAB (2L+1P), (SKJ)	<b>L U N C H</b>	Introduction to Simulink (2L), PKP	<b>T E A</b>	Introduction to Simulink (1P), PKP		
Day/Time	9.00-11.00 am		11.15am -1.15 pm				2.30 – 4.30 pm		4.45-5.45 pm
11/12/2018	OPT-1 PKP,1L+1P GD and LS method	<b>T E A</b>	OPT-2, VKG 2L Genetic Algorithm				ANN,AO, 2L Introduction to ANN		OPT-2, VKG 1P Genetic Algorithm
12/12/2018	ANN,IA, 1L+1P Architecture		ANN,AO, 1L+1P Deep learning				ANN,AO, 1L+1P Application		ANN, IAA,1P Application
13/12/2018	ANN,IAA, 1L+1P Classification		OPT-3, DM, 1L+1P <i>Particle Swarm Optimization</i>				OPT-3- DM,1L+1P <i>Cuckoo Search Algorithm</i>		OPT-3, DM,1P Application
14/12/2018	OPT-3, DM,1L+1P <i>Fire-fly algorithm</i>		Fuzzy (2L) , NV Introduction to Fuzzy Logic				Fuzzy (1L+1P) , NV Fuzzy model & controller		Introduction to Control toolbox (1P), PKP
15/12/2018	Fuzzy (1L+1P) Introduction to Neuro-Fuzzy, SKJ		Fuzzy (1L+1P) Applications, SKJ		Evaluation & Pedagogy		Valedictory Function		

AO: Prof. A. Ojha  
SKJ: Dr. S K Jain

VKG: Prof. V. K. Gupta  
IA: Dr. Irshad Ahmad Ansari

NV: Dr Nishchal Verma  
DM: Dr Deepmala

PKP: Dr. P K Padhy

**Venue:**

Registration: L201

Inauguration: L202

Classes: Computer Centre 1<sup>st</sup> floor, Core Lab Complex

Lunch: Visitor Hostel