



**A REPORT  
OF  
FACULTY DEVELOPMENT PROGRAMME  
ON**

**ARTIFICIAL NEURAL NETWORK & DEEP LEARNING**

**CONDUCTED THROUGH NKN**

**BY**

**DEPARTMENT OF COMPUTER SCIENCE AND APPLICATION  
ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA, BILASPUR (C.G.)**

**IN ASSOCIATION WITH**

**ICT ACADEMIES**

**MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY (MEITY), GOV. OF INDIA**

**DATE : 11-15 JUNE 2018**

**PRINCIPAL CO-ORDINATING  
ACADEMY**

**IITDM JABALPUR**

**CO-PRINCIPAL CO-ORDINATING  
ACADEMY**

**NIT WARANGAL**

**CO-ORDINATOR, REMOTE CENTRE**

**Dr. H. S. HOTA  
HOD  
DEPT. of CSA  
ABVV, BILASPUR (C.G.)**

## ABOUT ICT ACADEMICS

India is fast emerging as a world power in Information, Communications Technology and Electronics (ICTE) sectors. To complement its growth and further development, there is an ever-increasing need for trained professionals with specialization in this space. This includes training of professionals not only in existing and changing technologies but also in the fields of R&D and electronics manufacturing. This will specifically be aimed at the ICTE sector to create a substantial resource pool of talent and generate ample opportunities for entrepreneurs. Ministry of Electronics & Information Technology (Meity) has approved a scheme and setup Electronics and ICT Academies at 07 (seven) institutions viz. IIT Guwahati, IIT Kanpur, NIT Warangal, NIT Patna, IIITDM Jabalpur, IIT Roorkee and MNIT Jaipur. The Ministry had earlier setup two ICT Academies at Tamil Nadu and Kerala respectively. These Academies are aimed at faculty/mentor development and upgradation to improve the employability of the graduates, diploma holders in various streams, through collaboration of States/Union Territories. Each Academy is being provided funding support for four years and is expected to generate revenue by charging fee and taking up other activities to meet the recurring cost in a gradual manner and become self-sustainable by the end of fourth year onwards. All these Academies will cater to the requirements of identified neighbouring States and UTS also.



## ABOUT REMOTE CENTRE

Electronics & ICT Academy, PDPM IIITDM Jabalpur has identified Department of Computer Science & Application, Atal Bihari Vajpayee University, Bilaspur (C.G.) as remote nodal centre to run FDP from time to time.

The objective is to meet the skill requirements of the industry and generate more employment especially in tier 2 and 3 towns, the rural parts of the country. Initially the department was the only remote nodal centre in the state of CG.

## MODULES COVERED IN THIS FDP



ARTIFICIAL NEURAL NETWORK (ANNs)

DEEP LEARNING

OPTIMIZATION FOR TRAINING DEEP MODULES

CONVOLUTIONAL NETWORKS

SEQUENCE MODELING

## PARTICIPANTS

The event was very interactive whereby 17 participants enthusiastically showcasing their curiosity and eagerness to learn. They learnt about new technical skills.

# EVENT DETAILS

The Department of Computer Science and Application at Atal Bihari Vajpayee University, Bilaspur, in collaboration with ICT Academy, IIITDM Jabalpur, organized a Faculty Development Program (FDP) on Artificial Neural Network (ANN) and Deep Learning (DL) from June 11th to June 15th, 2018. The program aimed to provide teachers with insights into the latest techniques in ANN and DL.

The FDP featured lectures delivered through the National Knowledge Network (NKN) mode. This allowed participants to access knowledge remotely and engage with eminent speakers. During the inaugural function, Professor G.D. Sharma, the Vice Chancellor of Atal Bihari Vajpayee University, interacted with all the participants through NKN. He congratulated the Head of the Department of CSA for identifying the department as a remote center for IIITDM Jabalpur. The Vice Chancellor expressed his gratitude to Professor Ojha for selecting the department as a remote center for organizing an FDP on the latest techniques in ANN and DL.

The FDP featured lectures and demonstrations by distinguished speakers from premier institutes like IITs, NITs, and IIITs. These experts shared their insights and provided practical demonstrations using Python code.

The participants expressed their satisfaction and gratitude for the opportunity to learn about cutting-edge technologies in the field of ANN and DL through this prestigious FDP program. They especially appreciated Dr. H.S. Hota's efforts in organizing this valuable initiative. The FDP concluded on June 15, 2018, with a valedictory function. During this event, Professor G.D. Sharma, the Vice Chancellor, along with the remote coordinator, Dr. H.S. Hota, distributed certificates to all 17 participants. A group photograph was taken to commemorate the successful completion of the program.

This Faculty Development Program has not only equipped the teachers with the latest knowledge and techniques in ANN and DL but has also strengthened the collaboration between the Department of CSA at Atal Bihari Vajpayee University and IIITDM Jabalpur. Such initiatives contribute to the growth and development of the academic community and further the university's mission of promoting quality education and research.

# GLIMPSES OF FDP



# GLIMPSES OF FDP



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