



A REPORT
OF
FACULTY DEVELOPMENT PROGRAMME
ON
DEEP LEARNING AND APPLICATION

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 : 27-31 MAY 2019

PRINCIPAL CO-ORDINATING
ACADEMY

IIT ROORKEE

CO-PRINCIPAL CO-ORDINATING
ACADEMY

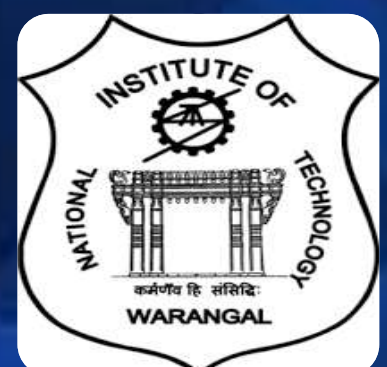
IITDM JABALPUR

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 NETWORKS

REGULARIZATION, HYPERPARAMETER TUNING AND AUTOENCODERS

CONVOLUTIONAL NETWORKS

SEQUENCE MODELLING

GENERATIVE ADVERSARIAL NETWORKS, OBJECT DETECTION ALGORITHMS

PARTICIPANTS

The event was very interactive whereby 21 participants enthusiastically showcasing their curiosity and eagerness to learn. They learnt about new technical skills.

EVENT DETAILS

The Faculty Development Program (FDP) on Deep Learning (DL) and its Applications, organized by the Department of Computer Science and Application at Atal Bihari Vajpayee University, Bilaspur, in collaboration with ICT Academy and IIITDM Jabalpur, was held from June 27 to May 31, 2019. The primary aim of this program was to equip educators with the latest insights and techniques in the field of Deep Learning.

Electronics and ICT academy, PDPM IIITDM, Jabalpur has identified the department of computer science and application as remote centre to run various FDPs on latest techniques through Hybrid mode where lecture will delivered through online mode and participants will attend it at various remote centre identified by seven ICT academies of Gol. FDP was organized in collaboration with IIT Roorkee as principal co-ordinating academy and IIITDMS as Co-Principal coordinating academy.

The FDP distinguished itself by featuring lectures and demonstrations delivered through the National Knowledge Network (NKN) mode through Vidyo software. This innovative approach allowed participants to access knowledge remotely and engage with distinguished speakers. During the inaugural function, Professor G.D. Sharma, the Vice Chancellor of Atal Bihari Vajpayee University, connected with all the participants. He applauded the Head of the Department of CSA for designating the department as a remote centre and expressed his gratitude to Professor Ojha for selecting the department as a remote center for organizing an FDP on the latest techniques on Deep Learning and application. Professor K.L. Verma, the Vice Chancellor of Pt. Ravishankar Shukla University, Raipur, also addressed the participants, highlighting the significant value of such FDPs in helping young teachers to teach the latest techniques to their students. Furthermore, Dr. Sudheer Sharma, the registrar of the university, extended his congratulations to Dr. H.S. Hota for taking the initiative to continuously organize FDPs in collaboration with ICT Academy.

The FDP featured lectures and practical demonstrations by distinguished speakers from renowned institutions such as IITs, NITs, and IIITs. These experts shared their insights and provided practical demonstrations using Python code. The participants of the program expressed their satisfaction and gratitude for the opportunity to delve into cutting-edge technologies in the field of ANN and DL through this prestigious FDP. They especially commended Dr. H.S. Hota's dedicated efforts in organizing this valuable initiative.

The FDP concluded on June 31, 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 21 participants. A group photograph was taken to celebrate the successful completion of the program. The FDP covered a wide array of topics, including ANN, Regularization, Hyperparameters, CNN, Sequence modeling, GAN, object detection, and more, which were explained by the experts in a comprehensive manner.

This Faculty Development Program has not only equipped 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 significantly contribute to the growth and development of the academic community, aligning with the university's mission of promoting quality education and research.



DEPARTMENT OF COMPUTER SCIENCE AND APPLICATION
ATAL BIHARI VAJPAYEE VISHWA VIDYALAYA, BILASPUR (C.G.)
Near Gandhi Chowk, Bilaspur (C.G.) 495001
Website : www.bilaspuruniversity.ac.in

Date: 23-07-2019

No.: 878/CSA/2019

To,

The Chief Investigator

Electronics and ICT academy

IITDM, Jabalpur


Subject: Settlement of Bills of Faculty development program held during May-June, 2019 regarding.

Respected Sir/Madam

As per above mentioned subject we have conducted faculty development program on Deep learning and Application from 27-05-2019 to 31-05-2019 as remote centre at Department of Computer Science and Application, Atal Bihari Vajpayee University, Bilaspur, C.G., India through NKN.

Please find the detail of expenditure along with bills as per prescribed format for final settlement. Further, our university is **government state university** and hence for the purpose of audit we are unable to provide original copy of the bills, instead we are sending xerox copy of verified bills.

For necessary action please


Dr. H.S. Hota

Co-ordinator, Remote centre

Atal Bihari Vajpayee University
Bilaspur (C.G.), India

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M. No. – 9425222658

विभागाध्यक्ष
कम्प्यूटर साइंस एण्ड एप्लीकेशन
अटल बिहारी वाजपेयी विश्वविद्यालय
बिलासपुर (छ.ग.)



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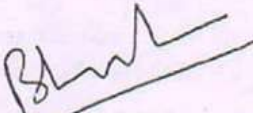
Subject: Settlement of Bills of Faculty development program held during May-June, 2019 regarding.

Respected Sir/Madam


As per above mentioned subject we have conducted three faculty development programs namely Deep learning and Application from 27-05-2019 to 31-05-2019, Introduction to Programming: A pedagogical Approach from 17-06-2019 to 21-06-2019 and Robotics and AI from 24-06-2019 to 28-06-2019 as remote centre at Department of Computer Science and Application, Atal Bihari Vajpayee University, Bilaspur, C.G., India.

Further, our university is government state university and hence for the purpose of audit we are unable to provide original copy of the bills, instead we are sending xerox copy of verified bills.

Please consider the case and do the necessary action to settle the bills.


Mr. Bhavesh Dubey

Finance officer
Atal Bihari Vajpayee University,
Bilaspur (C.G.), India


Dr. H.S. Hota

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Atal Bihari Vajpayee University,
Bilaspur (C.G.), India
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विभागाध्यक्ष
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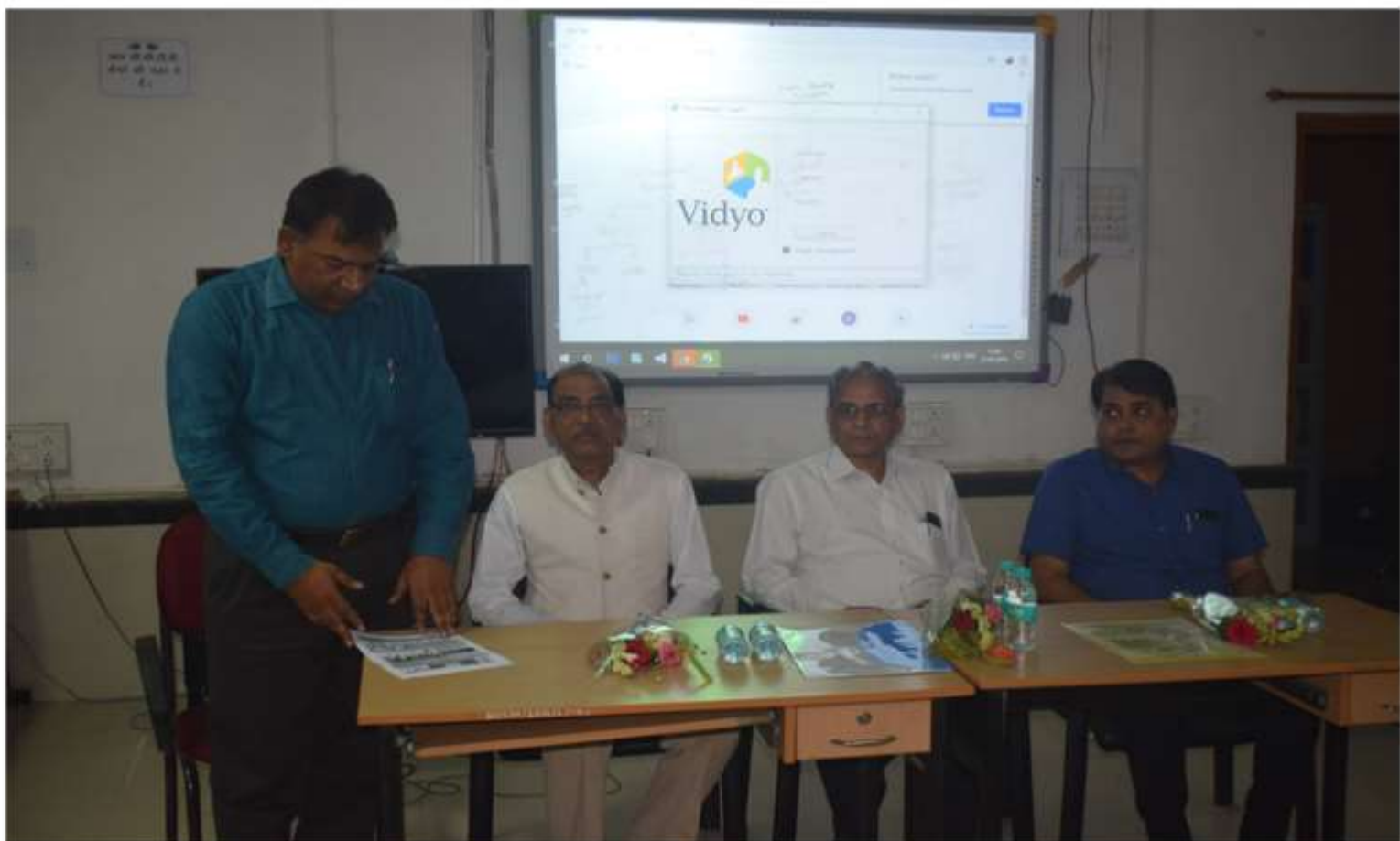
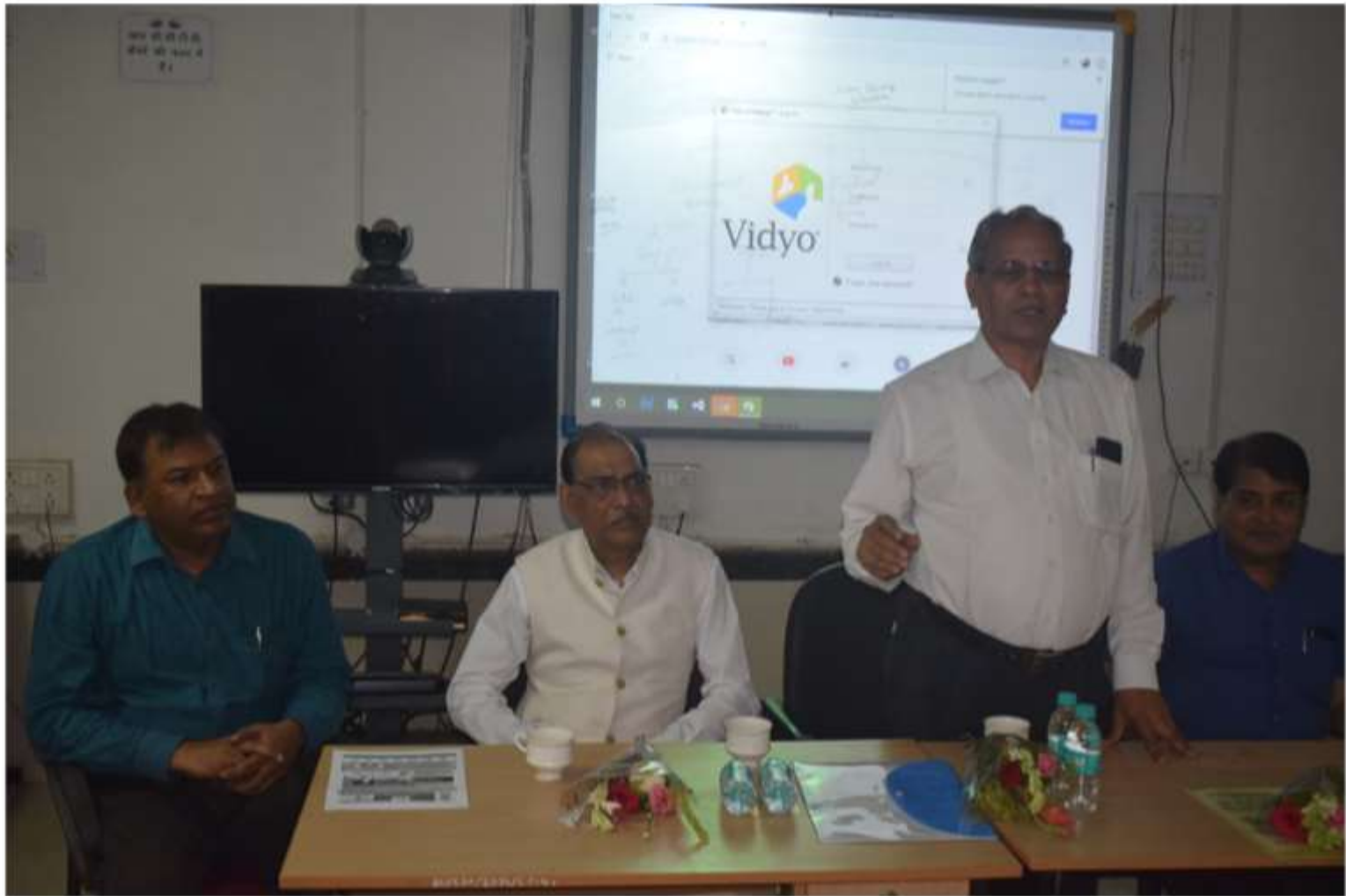
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ATTENDANCE OF PARTICIPANTS

ATTENDANCE OF PARTICIPANTS FOR FACULTY DEVELOPMENT PROGRAM:

"DEEP LEARNING & APPLICATIONS" from 27/05/2019 to 31/05/2019

		27/05/2019		28/05/2019		29/05/2019		30/05/2019		31/05/2019	
		SESSION1	SESSION2	SESSION1	SESSION2	SESSION1	SESSION2	SESSION1	SESSION2	SESSION1	SESSION2
1.	DR. H.S. HOTA										
2.	ANAMIKA SHUKLA SHARMA										
3.	TARUN DHAR DIWAN										
4.	VIVEK TIWARI										
5.	PRAKASH KUMAR TRIPATHI										
6.	RESHAML AL PRADHAN										
7.	ABHISHEK JAIN										
8.	GARGEE SHUKLA										
9.	SHISHIR KUMAR SHARMA										
10.	RASHMI GUPTA										
11.	AARTI KASHYAP										
12.	PRIYANAK A GUPTA										

14.	MANOJ PANDEY										
	BHUNEH WAR PRASAD SHRIWAS										
15.	SEEMA DEWANGAN										
16.	AVINASH KUMAR TIWARI										
17.	VISHWAS VICTOR										
18.	KAJAL KIRAN GULHARE										
19.	DR. R.K RAMBOLA										
20.	DHEERAJ JHA										
21.	Shishir Kurre										