A REPORT

OF

FACULTY DEVELOPMENT PROGRAMME

ON

INTERNET OF THINGS

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 : 18-22 JUNE 2018

PRINCIPAL CO-ORDINATING ACADEMY	CO-PRINCIPAL CO-ORDINATING ACADEMY
NIT WARANGAL	NIT PATNA

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.

MODULESCOVERED IN THIS FDP

FOUNDATIONS OF INTERNET OF THINGS

PROTOCOL STACK IN IoT CASE STUDIES / CONVOLUTIONAL NETWORK

DATA ACQUIRING, ORGANIZING AND ANALTICS IN IoT

DESIGNING SOFTWARE AND HARDWARE FOR IOT APPLICATIONS

PRIVACY AND SECURITY IN ICT

PARTICIPANTS

The event was very interactive whereby 18 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 association with ICT Academy, IIITDM Jabalpur, organized a Faculty Development Program (FDP) focused on the Internet of Things (IoT) from June 18th to June 22nd, 2018. The FDP aimed to provide educators with both theoretical and practical knowledge about IoT, a rapidly evolving field.

The FDP featured lectures delivered via the National Knowledge Network (NKN) mode. This is a unique approach in which lectures delivered through online mode while participants presents at remote centre identified by ICT academies in PAN India. Participants were able to attend these sessions from various remote centers identified by seven different ICT academies established by the Ministry of Electronics and Information Technology, Government of India. During the inaugural function, Professor G.D. Sharma, the Vice Chancellor of Atal Bihari Vajpayee University, engaged with the participants through NKN. He commended 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 to host an FDP on the latest techniques in IoT.

The FDP was designed to provide a comprehensive learning experience. In the first half of each day, eminent speakers from IITs, IIITs, and NITs delivered lectures, imparting theoretical knowledge about IoT. The second half of each day was dedicated to hands-on workshops, where industry professionals provided practical training to participants. This unique approach ensured that participants gained a deep understanding of both the theory and practical application of IoT

The FDP concluded on June 22, 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 18 participants. A group photograph was taken to commemorate the successful completion of the program.

The participants expressed their satisfaction and gratitude for the opportunity to learn about IoT through this prestigious FDP program. They appreciated the efforts of Dr. H.S. Hota in organizing this valuable initiative. The FDP was indeed fruitful, and all participants enjoyed and learned extensively.

This Faculty Development Program has not only equipped educators with the latest knowledge and practical skills in IoT 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.

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