



**ATAL BIHARI VAJPAYEE VISHWA VIDALAYA,
BILASPUR(C.G.)**

**A
Report
OF
FACULTY DEVELOPMENT PROGRAMME
ON**

**Android App Development using
Java**

Date: October 23 – November 01, 2023

Organized by

**DEPARTMENT OF COMPUTER SCIENCE AND APPLICATION, ATAL BIHARI VAJPAYEE
VISHWAVIDYALAYA, BILASPUR**

In association with

PRINCIPLE CO-ORDINATING ACADEMY

IIT GUWAHATI

PRINCIPLE CO-ORDINATING ACADEMY

NIT PATNA

CO-PRINCIPLE CO-ORDINATING ACADEMY

IIT JABALPUR

CO-PRINCIPLE CO-ORDINATING ACADEMY

MNIT JAIPUR

CO-ORDINATOR, REMOTE CENTER

Dr. H.S. Hota

**Head, Dept. of Computer Science and Applications
Atal Bihari Vajpayee University, Bilaspur (C.G.)**



Department of Computer Science and Application
Atal Bihari Vajpayee Vishwavidyalaya
Bilaspur (C.G.)

Joint Online Two Weeks Certificate/Faculty Development Programme
ANDROID APP DEVELOPMENT USING JAVA
October 23 - November 01, 2021

Jointly organised by : IIT Guwahati MNIT Jaipur NIT Patna PDPM IITDM Jabalpur

Course Contents

- ❖ Introduction to JAVA & OOP Concepts
- ❖ SQL, DML & DDL Queries
- ❖ Android Software Development Kit (SDK) Hands On
- ❖ Emulator – Android Virtual Device
- ❖ Introduction to UI Designing Concepts
- ❖ Introduction to Android Application Development Skills
- ❖ Introduction to Android Application Deployment Strategies in Android Market
- ❖ Working with Google Maps
- ❖ Working of Sensors

Key Features

- ❖ Instructor led online training sessions
- ❖ 3-4 hours per day
- ❖ Rigorous Hand- on (practice) sessions on Android Software Development Kit (SDK)
- ❖ Special sessions on UI Design.
- ❖ Specific industry-led sessions
- ❖ Opportunities to connect with expert for research orientation

Proctor Coordinator

Dr. H.S. Hota
 HOD - Department of CSA
 Atal Bihari Vajpayee Vishwavidyalaya
 Bilaspur (C.G.)
 Mob. : 9425222658
 E mail : proffhota@gmail.com

Course Fee Details

Academics (student/faculty): 500 INR
 Industry People : 1000 INR
 Others : 1000 INR
 Online payments details:-
 Bank Name : INDIAN BANK
 Account Name : EICT Academy
 A/C No. : 50302042708
 IFSC Code : IDIB000M694
 Branch : Mehgawan, IITDM Branch
 Jabalpur(M.P.)

Last Date for Registration

October 18, 2021

For more details and application from visit : <https://forms.gle/gEnQxeFRCpJMjgi88>

and select: **Dr. H.S. Hota, Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur as Proctor Coordinator.**

Contact Email: proffhota@gmail.com

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 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 CENTER

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 Patna and IIITDM Jabalpur, IIT Roorkee and MNIT Jaipur. The objective of these academies is to train students and teachers on latest technologies. The department of Computer Science and Application is associated with IIITDM academy Jabalpur since the year 2018 as nodal or remote centre to organize Faculty Development Program. The department is continuously supporting academy to conduct FDP and certificate program.

PARTICIPANTS

In this online programme on “ICT Tools for Teaching, Learning Process & Institutes” there are total approx.74 participants had joined.

REPORT

The Faculty Development Program (FDP) on Android App Development using Java was organized by the Department of Computer Science and Application at Atal Bihari Vajpayee University, Bilaspur. This FDP was conducted in collaboration with IIT Guwahati, MNIT Jaipur, NIT Patna and PDPM IITDM Jabalpur. It took place from October 23 to November 01, 2021. The program aimed to equip participants with the necessary skills to develop Android applications using the Java programming language. The FDP covered a wide range of topics from the basics of Android development to more advanced concepts. Participants engaged in practical exercises to reinforce theoretical knowledge.

The hands-on sessions included creating a simple Android app with a user interface, implementing basic functionality using Java, incorporating data storage and retrieval features etc. The program provided valuable insights into the practical aspects of Android app development. Participants were able to apply the concepts learned through hands-on exercises. Collaborative activities and group discussions facilitated peer learning, allowing participants to share their experiences and challenges in Android development. The program also touched upon current trends in Android development, including Kotlin as an alternative language and the importance of responsive design for diverse screen sizes.

The FDP commenced with a joint online inaugural function, bringing together experts from all the coordinating institutes.

A total of 74 participants from the university's remote centres registered for this FDP. Throughout the one-week program, they engaged with various Android App developed tools and learned their practical implementation in development through this faculty development program.

The FDP featured expert speakers from prestigious institutions, including IITs, IIITs, and NITs. These experts delivered insightful lectures on different topics, sharing their knowledge and expertise with the participants.

Upon the successful completion of the FDP, certificates were distributed to all the participants. The coordinating academy facilitated the online delivery of these certificates, ensuring that participants received acknowledgment of their efforts and learning achievements.

At the end of the program session Vice Chancellor of Atal Bihari Vajpayee Vishwavidyalaya Prof. A. D. N. Bajpai addresses to all the faculties members and participants with their valuable words and vote of thanks. He says "As we all know that Mobile technology has changed the life style of human being and is playing vital role in human life, we use mobile for all most all types of work like banking, conversation, E mail, communication etc. The mobile applications are being used for all these purposes. Android is a popular and portable Operating System mostly used in the mobile devices. This program will provide opportunity and hands on practice to develop mobile application. I am sure that this FDP will be beneficial for all the participants. I am also thankful to Dr, Aparajita Ojha, in charge, E and ICT academy, IIITDM Jabalpur for signing MoU with Department of Computer Science and Application of Atal Bihari Vajpayee University for conducting joint FDP, workshop and offering internship program to the students of computer Science department on latest technology.

In conclusion, the Faculty Development Program on Android App Development using Java was a timely and valuable initiative. The Android App Development using Java FDP successfully equipped participants with the fundamental skills required to develop Android applications. The hands-on approach, coupled with comprehensive coverage of key topics, ensured that participants gained practical experience in building functional Android apps. The collaborative effort of multiple institutes and the contributions of expert speakers enriched the learning experience for the participants, enabling them to leverage java platform tools effectively in the development of android app

TOPICS COVERED

Introduction to Java and
OOP's Concept

Android Software
Development Kit (SDK)
Hands On

SQL, MML and DML
Queries.

Introduction to Android
Application Development
Skills

Emulator- Android Virtual
device

Introduction to UI Designing
Concepts

Working with Google Map's

Working of Sensor's

Introduction to Android
Application Development
Strategies in Android Market

**Details of the Participants
Registered for the Programme**

S. No	Salutation	Name Of the Participants	Affiliation	Designation
1.	Mr.	Bhushan Kumar Kashyap	Guru Ghasidas Central University Bilaspur	Student
2.	Mr.	Leeladhar Kumar Gavel	Govt. Ghanshyam Singh Gupta P. G. College, Balod (C.G.)	Faculty
3.	Mr.	B Avinash	Atal Bihari Vajpayee University	Student
4.	Mr.	Akambar Sao	Atal Bihari Vajpayee University, Bilaspur	Student
5.	Mr.	Arpit Kumar Mishra	Atal Bihari Vajpayee Vishwavidyalaya University in Bilaspur, Chhattisgarh	Student
6.	Mr.	Anita Sidar	Atal Bihari Vajpayee University, Bilaspur (C.G.)	Student
7.	Mr.	Bhumika Rathore	Atal Bihari Vajpayee Vishwavidyalaya Bilaspur C.G.	Student
8.	Mr.	Salman Ansari	Atal Bihari Vajpayee Vishwavidyalaya	Student
9.	Mr.	Harishankar Nayak	Atal Bihari Vajpayee University Bilaspur	Student
10.	Mr.	Anmol Singh Thakur	Atal Bihari Vajpayee Vishwavidyalaya	Student
11.	Mr.	Ankita Kshatri	Atal Bihari Vajpayee Vishwavidyalaya	Student

			University in Bilaspur, Chhattisgarh	
12.	Mr.	Vishal Bhardwaj	Atal Bihari Vajpayee Vishwavidyalaya Bilaspur Chhattisgarh	Student
13.	Mr.	Kulamala Vinod Kumar	Siksha 'O' Anusandhan Deemed to Be University	Faculty
14.	Mr.	Deepak Das Mahant	Atal Bihari Vajpayee Vishwavidyalaya	Student
15.	Mr.	Atal Bihari Vajpayee Vishwavidyalaya	Bilaspur	Student
16.	Mr.	Kanchan Uraon	Atal Bihari Vajpayee University Bilaspur	Student
17.	Mr.	Kamakshi Thakur	Atal Bihari Vajpayee Vishwavidyalaya	Student
18.	Mr.	Tushar Patel	Atal Bihari Vajpayee Vishwavidyalaya Bilaspur (C.G.)	Student
19.	Mr.	Neelam	Atal Bihari Vajpayee Vishwavidyalaya Bilaspur Chhattisgarh	Student
20.	Mr.	Anamika Agnihotri	Atal Bihari Vajpayee University	Student
21.	Mr.	Bharti Mangeshkar	Atal Bihari Vajpayee University Bilaspur (C.G.)	Student
22.	Mr.	Bharat Bhushan Mahilane	Bilaspur University	Student

23.	Mr.	Tarun Dewangan	Atal Bihari Vajpayee Vishwavidyalaya	Student
24.	Mr.	Kamlesh Kumar	Guru Ghasidas Central University Bilaspur	Student
25.	Mr.	Sukriti Nayak	Atal Bihari Vajpayee University Bilaspur Chhattisgarh	Student
26.	Mr.	Krishna Kumar Marche	Atal Bihari Vajpayee University Bilaspur UTD	Student
27.	Mr.	Shaurabh Pandey	Atal Bihari Vajpayee University	Student
28.	Mr.	Lakshman Kumar Sahu	Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur (C.G.)	Student
29.	Mr.	Nagesh Naik	Atal Bihari Vajpayee University	Student
30.	Mr.	Neha	Atal Bihari Vajpayee University Utd Bilaspur	Student
31.	Mr.	Shiva	Atal Bihari Vajpayee	Student
32.	Mr.	Sushmita Ganguly	Atal Bihari Vajpayee University Bilaspur C.G.	Student
33.	Mr.	Mahadeep Kashyap	Atal Bihari Vajpayee University Bilaspur	Student
34.	Mr.	Priya Thawait	Atal Bihari Vajpayee University Bilaspur Chhattisgarh	Student

35.	Mr.	Shubham	Atal Bihari Vajpayee Vishwavidyalaya Bilaspur (C.G)	Student
36.	Mr.	Pratyush Jha	Atal Bihari Vajpayee Vishwavidyalaya	Student
37.	Mr.	Himanshi Tiwari	Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur, Chhattisgarh	Student
38.	Mr.	Tejasve Gupta	Atal Bihari Vajpayee Vishwavidyalaya Bilaspur	Student
39.	Mr.	Taskeen	(UTD) Atal Bihari Vajpayee University	Student
40.	Mr.	Vishnu Pandey	Atal Bihari Vajpayee University	Student
41.	Mr.	Yadav Archana	Atal Bihari Vajpayee Vishwavidyalaya	Student
42.	Mr.	Vikas Kumar Chouksey	U.T.D. Atal Bihari Vajpayee Vishwavidyalaya	Student
43.	Mr.	Sanjeev Pandey	Utd, Atal Bihari Vajpayee University	Student
44.	Mr.	Karan Patel	Atal Bihari Vajpayee University	Student
45.	Mr.	Deepika Rajwade	Atal Bihari Vajpayee Vishwavidyalaya Bilaspur Chhattisgarh	Student
46.	Mr.	Jyoti Bala Gupta	Dr. C.V. RAMAN UNIVERSITY	Faculty

47.	Mr.	Priyanka Sahu	Atal Bihari Vajpayee University Bilaspur (C.G.)	Student
48.	Mr.	Pawan Kumar	Atal Bihari Vajpayee Vishwavidyalaya University in Bilaspur, Chhattisgarh	Student
49.	Mr.	Ram Babu Yadav	Atal Bihari Vajpayee University Bilaspur	Student
50.	Mr.	Shubham Thakur	Atal Bihari Vajpayee University Bilaspur	Student
51.	Mr.	Shivanshu Mishra	Atal Bihari Vajpayee Vishwavidyalaya Bilaspur Chhattisgarh	Student
52.	Mr.	Aneesh Kuraishi	Bilaspur	Student
53.	Mr.	Shubhangi Mishra	Institute	Student
54.	Mr.	Darshan Kumar Kashyap	Atal Bihari Vajpayee Vishwvidyala Bilaspur (C. G)	Student
55.	Mr.	Alekh Verma	Atal Bihari Vajpayee University	Student
56.	Mr.	Kumar Gauraw	Department Of Computer Application	Student
57.	Mr.	Sohaib Nadir Shah	Atal Bihari Vajpayee Vishwavidyalaya	Student
58.	Mr.	Md Irshad Alam	Atal BIHARI VAJPAYEE VISHWAVIDYALAYA	Student

59.	Mr.	Aashif Quraishi	Atal Bihari Vajpayee University	Student
60.	Mr.	Punam Mahipal	Atal Bihari Vajpayee University Bilaspur (C.G.)	Student
61.	Mr.	Danishuddin	Department Of Computer Science and Application (UTD) BILASPUR	Student
62.	Mr.	Aayushi Kulkarni	DP Vipra Law College	Student
63.	Mr.	Prof. Dr. Chandana Mitra	Govt. Naveen College, Pali (Affiliated to Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur)	Faculty
64.	Mr.	Purushottam Choudhary	Atal Bihari Vajpayee University	Student
65.	Mr.	Ishaan Upadhyay	Atal Bihari Vajpayee University	Student
66.	Mr.	Vikas Mishra	Atal Bihari Vajpayee University, Bilaspur	Student
67.	Mr.	Faizan Ahmed Raza	Atal Bihari Vajpayee Vishwavidyalaya	Student
68.	Mr.	Lav Pandey	Atal Bihari Vajpayee Vishwavidyalaya	Student
69.	Mr.	Sushil Kumar Sahu	Christ College	Faculty
70.	Mr.	Arun Ghritlaharey	Atal Bihari Vajpayee University Bilaspur	Student

71.	Mr.	Annpurna Kashyap	Atal Bihari Vajpayee University Bilaspur	Student
72.	Mr.	Santosh Kumar	Atal Bihari Vajpayee University Bilaspur	Student
73.	Mr.	Tarun Dhar Diwan	Govt. E. Raghavendra Rao P. G. Science College	Faculty
74.	Mr.	Kamal Kumar Gavel	Atal Bihari Vajpayee Vishwavidyalaya Bilaspur	Faculty