CRITERIA I: CURRICULAR ASPECTS

- 1.2.2: NUMBER OF ADD ON /CERTIFICATE PROGRAMS OFFERED
- 1.2.3 AVERAGE PERCENTAGE OF STUDENTS ENROLLED IN CERTIFICATE/ADD-ON PROGRAMS

DATA COLLECTION YEAR FOR ASSESSMENT 2017-18



Jagannath International Management School Vasant Kunj, New Delhi - 110070

(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi) Grade 'A' accredited by NAAC and ISO 9001:2015 Quality Certified Recognised u/s 2(f) by UGC

Date: 26th April 2018

NOTICE

This is to inform the students of BCA IV (M & E) Batch: 2016-2019 that the Department of Information Technology is offering a Value Added Course in collaboration with MCN Solutions Pvt. Ltd. on Android Application Development and duration of Course is 60 hours.

Interested students may contact their Class Coordinator for further information.

Class Coordinator

Head, Dept. of Information Technology

Jagannath International Management School Vasant Kunj, New Delhi - 110070

(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi) Grade 'A' accredited by NAAC and ISO 9001:2015 Quality Certified Recognised u/s 2(f) by UGC

Department of Information Technology

Date: 28th May, 2018

NOTICE

Batch: 2016 - 2019

It is to bring to the notice of students of semester IV (M & E) that the following students have registered for the value added course of Android Application Development to be held from 1st June to 30th June, 2018.

S. No.	Class & Shift	Enrollment	Name
1	BCA-IV & Shift-I	00214202016	Abhishek Shukla
2	BCA-IV & Shift-I	00314202016	Aditya Uniyal
3	BCA-IV & Shift-I	00914202016	Damandeep Bhandari
4	BCA-IV & Shift-I	01114202016	Dhruv Sharma
5	BCA-IV & Shift-I	01214202016	Diksha Arora
6	BCA-IV & Shift-I	01414202016	Drishti Khurana
7	BCA-IV & Shift-I	01514202016	Jagdeep Singh
8	BCA-IV & Shift-I	01614202016	Kapil Kumar Sehrawat
9	BCA-IV & Shift-I	01814202016	Kunal Sahai
10	BCA-IV & Shift-I	02014202016	Manish Singh
11	BCA-IV & Shift-I	02114202016	Mansi Rawat
12	BCA-IV & Shift-I	02214202016	Mayur Krishna
13	BCA-IV & Shift-I	02414202016	Mohammad Anas Idrishi
14	BCA-IV & Shift-I	02514202016	Mohd Asif
15	BCA-IV & Shift-I	02714202016	Nitika Rajbhar
16	BCA-IV & Shift-I	02814202016	Preeti Rawat
17	BCA-IV & Shift-I	02914202016	Puneet Kumar Pandey
18	BCA-IV & Shift-I	03114202016	Ritika

19	BCA-IV & Shift-I	03314202016	Sahil Chaudhary
20	BCA-IV & Shift-I	03414202016	Sahil Shakla
21	BCA-IV & Shift-I	03714202016	Shivam Jain
22	BCA-IV & Shift-I	04214202016	Tarun
23	BCA-IV & Shift-I	04414202016	Tashi Kishor
24	BCA-IV & Shift-I	35214202016	Kritika Chaudhary
25	BCA-IV & Shift-I	35314202016	Prem Prakash Verma
26	BCA-IV & Shift-I	35414202016	Raghav Chaudhary
27	BCA-IV & Shift-I	35514202016	Srishti Salian
28	BCA-IV & Shift-I	40314202016	Nishant Nautiyal
29	BCA-IV & Shift-I	40614202016	Yatin Nagpal
30	BCA-IV & Shift-I	40714202016	Kunal Walia
31	BCA-IV & Shift-I	70114202016	Mohammad Fahim
32	BCA-IV & Shift-II	00121402016	Aamir Aftab
33	BCA-IV & Shift-II	00221402016	Abhishek Malik
34	BCA-IV & Shift-II	00421402016	Ajay Sharma
35	BCA-IV & Shift-II	00621402016	Aman Singh Rawat
36	BCA-IV & Shift-II	01321402016	Deepansh Kathuria
37	BCA-IV & Shift-II	01421402016	Gideon Samuel
38	BCA-IV & Shift-II	01621402016	Hardik Dhawan
39	BCA-IV & Shift-II	01821402016	Ishita Khanna
40	BCA-IV & Shift-II	01921402016	Jai Malik
41	BCA-IV & Shift-II	02321402016	Mudit Gera
42	BCA-IV & Shift-II	02621402016	Nitesh Khatri
43	BCA-IV & Shift-II	02721402016	Palak Katyal
44	BCA-IV & Shift-II	02921402016	Richa Sharma
45	BCA-IV & Shift-II	03021402016	Riya
46	BCA-IV & Shift-II	03121402016	Rohan Tyagi
47	BCA-IV & Shift-II	03221402016	Rohit Adhikari
48	BCA-IV & Shift-II	03421402016	Sandeep Keshri
49	BCA-IV & Shift-II	03621402016	Satyam Maurya
50	BCA-IV & Shift-II	03721402016	Sayuj Dixit
51	BCA-IV & Shift-II	04121402016	Shlok
52	BCA-IV & Shift-II	04321402016	Shubham Rawat

53	BCA-IV & Shift-II	04721402016	Vivek Vikram Singh
54	BCA-IV & Shift-II	04821402016	Yatin Yadav
55	BCA-IV & Shift-II	40221402016	Shyamanand Yadav
56	BCA-IV & Shift-II	40421402016	Rhytham Negi
57	BCA-IV & Shift-II	40521402016	Kartikey Sharma
58	BCA-IV & Shift-II	40721402016	Bharat Bhasker
59	BCA-IV & Shift-II	40821402016	Komal Birdi

Note: In case any of the students is missing from the above list or some other student is interested in participating in the above course, please submit your details with your class coordinator.

Class Coordinator

Head, Department of Information Technology

ANDROID COURSE

Intermediate Leve



Objective

In this module, we will be discussing about the tools and techniques of Android. This module is designed by experts for students and working professionals. Android is a mobile operating system developed by Google, based on a modified version of the Linux kernel and other open source software and designed primarily for touchscreen mobile devices such as smartphones and tablets.

Introduction to Java

- Introduction, Installation, Environment Setup JVM, JRE, JDK
- Java Programming Basics
- A First Java Program Compiling and executing Java Applications
- The JDK Directory Structure

IoT Platform

- Wearable Platform
- Embedded platform
- · Cloud platform for IoT

Array in Java

 Single, Multi-Dimensional, Jagged Object Class Array

Interfaces and Abstract Classes

- Separating Interface and Implementation Definition
- Interfaces Implementing and Extending Interfaces
- Runnable Threads Abstract Classes

String

 Charsequence, String, StringBuffer, StringBuilder

Variables, Data Types & Control Statement

- Primitive Datatypes
- Declarations Variable Names Numeric Literals
- Character Literals String, if-else, switch case

Object-Oriented Programming

- Introduction to Object-Oriented Programming
- Classes and Objects Fields and Methods
- Encapsulation Access Control
- Inheritance Polymorphism, Abstraction

Inheritance and package in Java

- Inheritance Inheritance in Java Casting Method
- Overriding Polymorphism super
- The Object Class, this and super

Classes

- Inner Classes
- Member Classes
- Local Classes
- Anonymous Classes
- Instance Initializers

Exception Handling

- Exceptions Overview
- Catching Exceptions
- The fnally Block
- · Defning and Throwing Exceptions

Introduction to android

- Version History
- · Android Architecture
- · Android code execution cycle

Create Android project on Android Studio

- Create Android First Project
- · Selecting API and others
- · Android Project Structure
- · Building Resources

Working with Activity

- Creating Activity
- · Activity Life cycle
- · Hands on Activity
- Creating Toast

User Interface /View & View Group

- · Working with Layouts i.e.
- Linear Layout
- · Relative Layout
- · Constraint etc.
- Using Button
- · Using Text View
- Using Edit Text
- Image View

Adapters

- · Array Adapter with List View
- Array Adapter with Spinner
- Array Adapter with Grid View

Fragment

- Fragment Type
- Using Single Pane
- · Using Multi pane

Introduction to Threads

- Non-Threaded Applications
- Threaded Applications Creating Threads
- Thread States Runnable Threads
 Interrupting Threads

Android studio installation and configuration

- Steps to download and install Android Studio
- · Configuration of SDK
- · Introduction to AVD Manager
- · Creating virtual machine

Introduction to Android App Components

- Activity
- Broadcast Receiver
- Service
- Content Provider

Intent

- · What is Intent?
- · Type of Intent
- Using Explicit Intent
- Using Implicit Intent

Android App Components

- · Broadcast Receiver
- Service
- Type of Service
- Working with Un Bounded Service
- Content Provider
- Getting Details from Contact app using Content Provider

Storage

- · Shared Preferences
- Internal Storage (Files)
- External Storage(SD Card)
- SQLite Databases Introduction
- SQLite Open Helper
- SOLite Database Class
- CRUD Operations with SQLite Database

Android Media API

- · Telephony Manager
- Bluetooth
- Enable & Disable Bluetooth
- · Making discoverable Bluetooth
- Getting Bounded Devices etc.
- Wifi
- · Enable & Disable Wifi
- · Getting Paired Devices
- · Scanning for New Devices
- Camera

Web Services

- Introduction of Client Server Architecture
- · What is Volley?
- Working with Volley
- Performing CRUD Operation with Web Service

Material Design

- · Creating Splash Screen
- Recycler View
- Creating Recycler Adapter
- Using Linear Manager
- · Card View
- Navigation Drawer Activity

Google Map

- · Introduction of Google Map
- Integrating Google Map with Applications
- Getting Current Location
- Getting Current Address using Geo Coder
- Using GPS Provider and Network Provider
- · Using Location Manager
- Using Location Listener



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Department of Information Technology

Date: 06th July, 2018

NOTICE

Batch: 2016 - 2019

It is to bring to the notice of students of semester IV (M & E) that the following students have completed the value added course of Android Application Development which was held from 1st June to 30th June, 2018.

S. No.	Class & Shift	Enrollment	Name
1	BCA-IV & Shift-I	00214202016	Abhishek Shukla
2	BCA-IV & Shift-I	00314202016	Aditya Uniyal
3	BCA-IV & Shift-I	00914202016	Damandeep Bhandari
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45	BCA-IV & Shift-II	03121402016	Rohan Tyagi
46	BCA-IV & Shift-II	03221402016	Rohit Adhikari
47	BCA-IV & Shift-II	03421402016	Sandeep Keshri
48	BCA-IV & Shift-II	03621402016	Satyam Maurya
49	BCA-IV & Shift-II	03721402016	Sayuj Dixit
50	BCA-IV & Shift-II	04121402016	Shlok
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52	BCA-IV & Shift-II	04721402016	Vivek Vikram Singh

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56	BCA-IV & Shift-II	40521402016	Kartikey Sharma
57	BCA-IV & Shift-II	40721402016	Bharat Bhasker
58	BCA-IV & Shift-II	40821402016	Komal Birdi

Note: In case of any discrepancy please contact your class coordinator.

Class Coordinator

Head, Department of Information Technology

Jagannath International Management School

VasantKunj, New Delhi - 110070 (Affiliated to Guru Gobind Singh Indraprastha University, New Delhi) Accredited Grade 'A' by NAAC &ISO 9001:2015 Quality Certified Recognised Under Section 2(f) by UGC

REPORT [NTERMEDIATE LEVEL ANDROID SHORT TERM COURSE (1"-30" June'2018)

Event Category: Value Added Course

Topic: "Preparing for the Industry-Responsibilities and Expectations"

Date: 1st - 30th June, 2018

Venue: Room -F1, Lab1 & Lab 2 JIMS, VK

Resource Person(s) with Designation and Organization:

1. Mr. Mani Gautam, software Engineer & Corporate Trainer, MCN Solution Pvt. Ltd.

Beneficiaries with Number:

1. BCA-IV (Ist & IInd Shift) JIMS, Vasant Kunj - 59

Faculty Coordinator:

- 1. Dr. Harsha Ratnani, Class Coordinator, Bca-IV-M
- 2. Ms. Shalu Tandon, Class Coordinator, BCA-IV-E

Learning Objectives:

- 1. To develop a grasp of the Android OS architecture
- 2. To understand the application development lifecycle with Android Application
- 3. To Experiment with database to store data locally for any Android App
- 4. To Familiarize with Android's APIs for data storage, retrieval, user preferences, files and content providers.
- 5. Identity, analyze and choose tools for Android development including device emulator, profiling tools and IDE
- 6. To create an android based application with user interfaces and Create multi-media android components.

Report:

Department of Information Technology, JIMS, Vasant Kunj organized the four weeks Student Skill Development Course on "Intermediate Level Android Course" from 1st-30th Jun'2018 at JIMS, Vasant Kunj in collaboration with MCN Solutions.

MCN Solutions is a fifteen-year-old custom software development and outsourcing services provider. They specialize in mobile app and web development for small to mid-sized businesses. Headquartered in Delhi national capital region of India, MCN has its extended offices in USA,

UK and Poland. The course trainer **Mr Mani Gautam** is an Android Developer & Corporate Trainer with over 8 years of Experience. He has conducted Sessions and Trainings in more than 15 colleges and Universities of North India and trained more than twenty thousands of students and professionals, as a speaker in workshops and Android Corporate Training courses.





Total of 59 students from BCA-IV Semester (2016-19) from JIMS, VK got enrolled for this course. The Content Modules covered for the course during these 60 hours were as follows:

S.NO.	TOPIC	WEEKLY SCHEDULE		
1	 Introduction to Java Introduction, Installation, Environment, Setup JVM, JRE, JDK Java Programming Basics, A First Java Program Compiling and executing Java Applications, The JDK Directory Structure 			
2	 Variables, Data Types & Control Statement Primitive Datatypes, Declarations Variable Names Numeric Literals, Character Literals String, if-else, switch case IoT Platform Wearable Platform, Embedded platform, Cloud platform for IoT 	WEEK1 (DAY1-4)		
3	Object-Oriented Programming Introduction to Object-Oriented Programming, Classes and Objects Fields and Methods, Encapsulation Access Control, Inheritance Polymorphism, Abstraction	(5/1111)		
4	 Array in Java Single, Multi-Dimensional, Jagged, Object Class Array, Array in Java Inheritance and package in Java Inheritance Inheritance in Java Casting Method, Overriding Polymorphism super, The Object Class, this and super 			
5	 Interfaces and Abstract Classes Separating Interface and Implementation, Definition, Interfaces Implementing and Extending Interfaces, Runnable Threads Abstract Classes Classes Inner Classes, Member Classes, Local Classes, Anonymous Classes, Instance Initializers 			
6	 String Charsequence, String, StringBuffer, StringBuilder Exception Handling Exceptions Overview, Catching Exceptions, The finally Block, Defining and Throwing Exceptions Introduction to Threads Non-Threaded Applications, Threaded Applications, Creating Threads, Thread States Runnable Threads, Interrupting Threads 	WEEK2 (DAY 5-8)		
7	Introduction to android			

	 Version History, Android Architecture, Android code execution cycle, Android studio installation and configuration, Steps to download and install Android Studio, Configuration of SDK, Introduction to AVD Manager, Creating virtual machine 	
8	 Create Android project on Android Studio Create Android First Project, Selecting API and others, Android Project Structure, Building Resources, Working with Activity, Creating Activity, Activity Life cycle, Hands on Activity, Creating Toast 	
9	Intent What is Intent?, Type of Intent, Using Explicit Intent, Using Implicit Intent, User Interface /View & View Group Working with Layouts Linear Layout Relative Layout, Constraint etc. Using Button, Using Text View Using Edit Text, Image View	WEEK3 (DAY 9-12)
10	 Android App Components Broadcast Receiver, Service, Type of Service, Working with Un Bounded Service, Content Provider, Getting Details from Contact app using Content Provider Adapters Array Adapter with List View, Array Adapter with Spinner, Array Adapter with Grid View, Fragment, Fragment Type, Using Single Pane, Using Multi pane 	
11	 Storage Shared Preferences, Internal Storage (Files), External Storage(SD Card), SQLite Databases Introduction, SQLite Open Helper, SQLite Database Class, CRUD Operations with SQLite Database Android Media API Telephony Manager, Bluetooth, Enable & Disable Bluetooth, Making discoverable Bluetooth, Getting Bounded Devices etc., Wifi, Enable & Disable Wifi, Getting Paired Devices, Scanning for New Devices, Camera 	
12	 Material Design Creating Splash Screen, Recycler View, Creating Recycler Adapter, Using Linear Manager, Card View, Navigation Drawer Activity Google Map Introduction of Google Map, Integrating Google Map with Applications, Getting Current Location, Getting Current Address using Geo Coder, Using GPS Provider and Network, Provider, Using Location Manager, Using Location Listener Web Services 	WEEK4 (DAY 13-16)
	 Introduction of Client Server Architecture, What is Volley?, Working with Volley, Performing CRUD Operation with Web Service 	

Learning Outcomes:

- 1. Students gained fundamental knowledge essential to not only Android development, but mobile development in general.
- 2. Students were able to learn how to design and create basic Android apps.
- 3. Students by leveraging the Java programming language, the Android SDK, and Android Studio developer tools were able to create their own apps.

8497

Class Coordinator

Dr Meenakshi Narula,

Head, Department of Information Technology

Jagannath International Management School

Vasant Kunj, New Delhi-110070
(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi) Grade 'A' accredited by NAAC and ISO 9001:2015 Quality Certified Recognised u/s 2(f) by UGC

Consolidated Attendance of Android Application Development

S. No.	Enrollment	Name	Consolidated Attendance	Percentage of Attendance	Eligible for Certificate Yes/No
1	00214202016	Abhishek Shukla	33/34	97%	Yes
2	00314202016	Aditya Uniyal	34/34	100%	Yes
3	00914202016	Damandeep Bhandari	34/34	100%	Yes
4	01114202016	Dhruv Sharma	34/34	100%	Yes
5	01214202016	Diksha Arora	34/34	100%	Yes
6	01414202016	Drishti Khurana	34/34	100%	Yes
7	01514202016	Jagdeep Singh	34/34	100%	Yes
8	01614202016	Kapil Kumar Sehrawat	34/34	100%	Yes
9	01814202016	Kunal Sahai	33/34	97%	Yes
10	02014202016	Manish Singh	34/34	100%	Yes
11	02114202016	Mansi Rawat	34/34	100%	Yes
12	02214202016	Mayur Krishna	33/34	97%	Yes
13	02414202016	Mohammad Anas Idrishi	33/34	97%	Yes
14	02514202016	Mohd Asif	34/34	100%	Yes
15	02714202016	Nitika Rajbhar	34/34	100%	Yes
16	02814202016	Preeti Rawat	34/34	100%	Yes
17	02914202016	Puneet Kumar Pandey	34/34	100%	Yes
18	03114202016	Ritika	34/34	100%	Yes
1.9	03314202016	Sahil Chaudhary	33/34	97%	Yes
20	03414202016	Sahil Shakla	34/34	100%	Yes
21	03714202016	Shivam Jain	34/34	100%	Yes
22	04214202016	Tarun	34/34	100%	Yes
23	04414202016	Tashi Kishor	34/34	100%	Yes
24	35214202016	Kritika Chaudhary	34/34	100%	Yes
25	35314202016	Prem Prakash Verma	34/34	100%	Yes
26	35414202016	Raghav Chaudhary	34/34	100%	Yes
27	35514202016	Srishti Salian	0/34	0%	No
28	40314202016	Nishant Nautiyal	34/34	100%	Yes
29	40614202016	Yatin Nagpal	34/34	100%	Yes
30	40714202016	Kunal Walia	34/34	100%	Yes
31	70114202016	Mohammad Fahim	33/34	97%	Yes
32	00121402016	Aamir Aftab	33/34	97%	Yes
33	00221402016	Abhishek Malik	34/34	100%	Yes
34	00421402016	Ajay Sharma	34/34	100%	Yes
35	00621402016	Aman Singh Rawat	34/34	100%	Yes
36	01321402016	Deepansh Kathuria	34/34	100%	Yes
37	01421402016	Gideon Samuel	32/34	94%	Yes
38	01621402016	Hardik Dhawan	33/34	97%	Yes
39	01821402016	Ishita Khanna	34/34	100%	Yes
40	01921402016	Jai Malik	32/34	94%	Yes

S. No.	Enrollment	Name	Consolidated Attendance	Percentage of Attendance	Eligible for Certificate Yes/No		
41	02321402016	Mudit Gera	34/34	100%	Yes		
42	02621402016	Nitesh Khatri	34/34	100%	Yes		
43	02721402016	Palak Katyal	34/34	100%	Yes		
44	02921402016	Richa Sharma	32/34	94%	Yes		
45	03021402016	Riya	32/34	94%	Yes		
46	03121402016	Rohan Tyagi	33/34	97%	Yes		
47	03221402016	Rohit Adhikari	33/34	97%	Yes		
48	03421402016	Sandeep Keshri	34/34	100%	Yes		
49	03621402016	Satyam Maurya	33/34	97%	Yes		
50	03721402016	Sayuj Dixit	34/34	100%	Yes		
51	04121402016	Shlok	34/34	100%	Yes		
52	04321402016	Shubham Rawat	34/34	100%	Yes		
53	04721402016	Vivek Vikram Singh	34/34	100%	Yes		
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56	40421402016	Rhytham Negi	32/34	94%	Yes		
57	40521402016	Kartikey Sharma	34/34	100%	Yes		
58	40721402016	Bharat Bhasker	34/34	100%	Yes		
59	40821402016	Komal Birdi	34/34	100%	Yes		

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Class Co-ordinator

Jagannath International Management school

Accredited Grade 'A' by NAAC & ISO 9001:2008 Quality Certified (Affiliated to Guru Gobind Singh Indraprastha University, Delhi) Recognised Under Section 2(f) by UGC

Semester-IV (Suft-I) (Android Application Development)
Batch: 2016-2019 Attendance Sheet

Doc. No. JIMS/VK-1/ACAD/BCA/F/02 Jagannath International Management School

/2018 Month: June

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Batch: 2016-2019 (Android Application Development) Attendance Sheet

Semester-IV

/2018 Month: June

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(Android Application Development) Batch: 2016-2019 Attendance Sheet

Semester-IV

Doc. No. JIMS/VK-1/ACAD/BCA/F/02 ្ឋាំនារនេះ Jagannath International Management School Month: June & July 2018 eadershi

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(Android Application Development)
Batch: 2016-2019

Semester-IV

Doc. No. JIMS/VK-1/ACAD/BCA/F/02 Jagannath International Management School TREES.

Month: June & July/2018

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(Affiliated to Guru Gobind Singh Indraprastha University, Delhi)
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(Android Application Development)

Batch = 2016-19

Semester-IV (Sith-II) Attendance Sheet

Batch: 2016-2019



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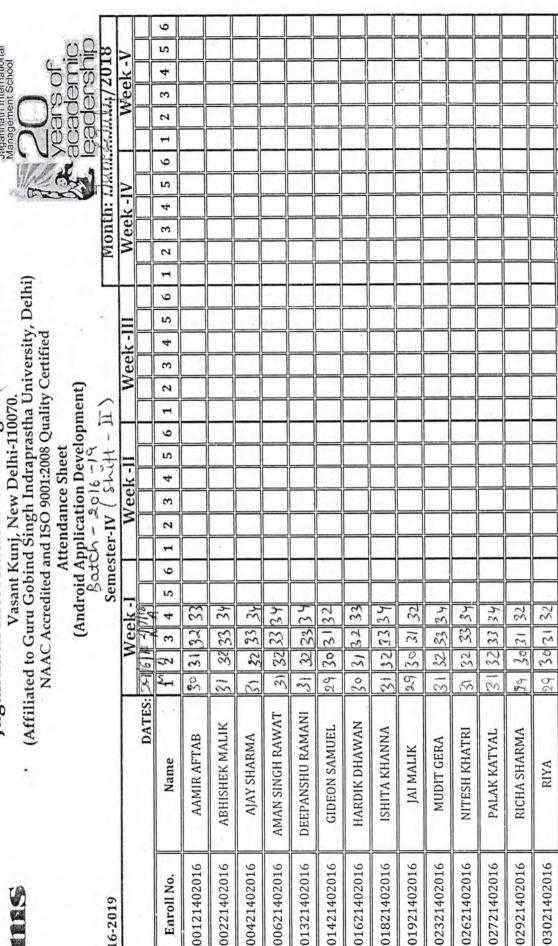
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(Android Application Development)



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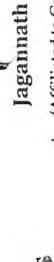
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Batch: 2016-2019

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Batch: 2	Batch: 2016-2019		Semester-IV	ter-IV		Month: clumesdagg/2018	810Z/mm>
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