



Google Developer Student Clubs

Babu Banarasi Das Institute of Technology and Management

EVENT REPORT



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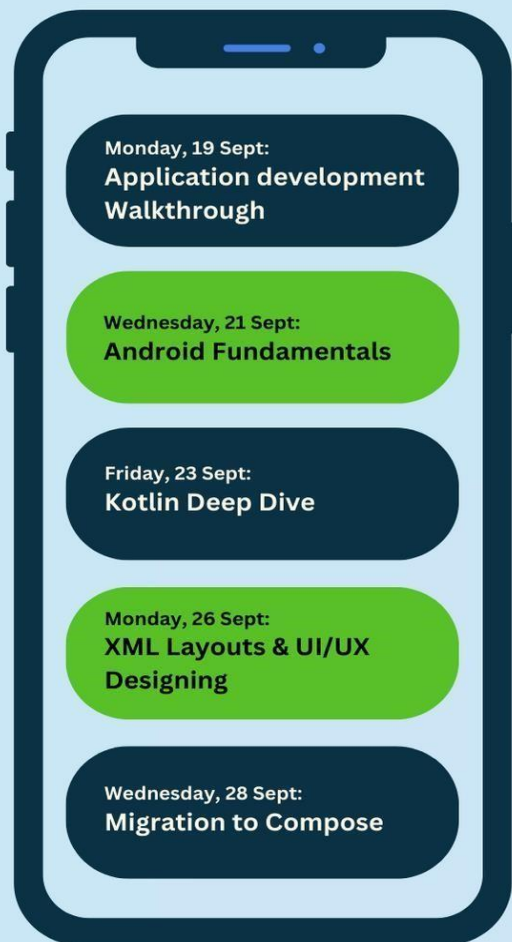


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Babu Banarasi Das Institute of Technology and Management



Compose Camp

Compose Camp is a special themed version of Android Study Jams, where the learning content is focused on Jetpack Compose.



Sept 19 - Sept 28
2:00 pm - 5:00 pm



Venue: Stepper Hall



EVENT POSTER



DAY 1: - APPLICATION DEVELOPMENT WALKTHROUGH - SESSION REPORT

Date – 16/09/2022

Timing – 2:00 to 5:00PM

Venue – Seminar Hall, E-Block, BBDITM LUCKNOW.

On September 16,2022, Google developer student club of BBDITM started a 5-day-long event named COMPOSE CAMP '22—a series of in-person sessions where students were provided a hands-on introduction on learning to build Android apps with Jetpack Compose. The event took place in the BBDITM E-Block, Seminar Hall on the fifth floor. It was attended by students of BBDITM 2nd year students. The event was hosted by Anusha Ansari and Rasheeq Zehra. The event was inaugurated by our guests of honor – HOD CS Department Prof. Anurag Tiwari Sir, HOD Electrical Department Prof. Rafik Ahmad Sir, and Dr. Diwakar Yagyasen Sir. The students were then motivated by our precious guests, who gave their special words of encouragement to our future developers. The event was continued by our Android Developer Mentor, Amritesh Gupta, who introduced everyone to that day's topic, 'Application Development Walkthrough'.

In the event Android Development Mentor's and the core GDSC team helped the students to learn the basics of Android Development. The Brief summary of the event was that the Android Dev Mentor Amritesh Gupta Introduced the audience with Android Studio, the software which is necessary to build Android apps. He told them what the procedure is to install Android Studio and more tools and software they need to set-up an android development environment.

Then Android dev Mentor Anurag Pathak introduced them with the layout making procedure to the audience. He used a layout format called Constraint Layout format to build a fancy and simple layout. Then again Amritesh Gupta Android Dev Mentor taught the audience to write the Kotlin code to make the app working. Mentors introduced the audience with Kotlin programming language and Used Kotlin to Make the App Working. The app is called "Happy Birthday Card", it wishes the user their Birthday with their customized name.

The Main milestone of the Day 1 was that Android Studio was installed in around 50% of the Attendees which was around 80-100 students. Installing And setting up the Android development Environment is a tedious task but we managed to make it possible. And that made the event a success.

The Key points of the Event are:

- Setting up Android Development Environment**
- Knowing how to use Android Studio**
- Creating an app called "Happy Birthday Card" with frontend and backend**



DAY 2: - ANDROID FUNDAMENTALS - SESSION REPORT

Date – 21/09/2022

Timing – 2:00 to 5:00PM

Venue – Seminar Hall, E-Block, BBDITM LUCKNOW.

This was the 2nd Day of the Compose Camp. On Day 2 we upgraded the concept a little bit. We taught the audience about topics like Intent, Navigation Bar, RecyclerView, Adapter, Data Classes and much more.

We demonstrated two multi-activity Apps, the app was an advanced version of the birthday card app. The user can send Customized festival wishes to their friends and family with the app, there are a few festival's listed on the App.

We used recycler View to create a list of festivals, and the user can choose their choice of festival to wish to the user. Every festival brings the user to a new Activity. We used the concept of intent to link the Different activities with each other.

The Second App was a Calculator with two activities. The calculator can perform operations like Addition, Subtraction. We gave a task to the learners to implement more functionalities in the calculator and make it more useful. Many Of the learners was able to do that, and that showed us that we were on the right track, and our event was a success.

Concepts We Introduced the Audience with–

- Intent**
- RecyclerView**
- Adapter**
- Data Class**
- Kotlin Methods**
- Kotlin Syntax**



DAY 3: - KOTLIN DEEPDIVE - SESSION REPORT

Date – 22/09/2022

Timing – 2:00 to 5:00PM

Venue – Seminar Hall, E-Block, BBDITM LUCKNOW.

This was the 3rd Day of the Compose Camp. We called it “Kotlin DeepDive”. As the name suggests, today we taught Kotlin Programming Language to the audience. We choose Kotlin Over Java because in 2016 Google Declared Kotlin as the official language for Android Development.

We started with the introduction of the Kotlin Programming language. We first elaborated how kotlin works and its advantages over Other programming languages in the field of Android Development.

Then we used Kotlin playground, a tool to run kotlin programs online. We demonstrated concepts like variables in Kotlin, DataTypes, String Templates, Functions, Arrays, Loops,List, Some concepts of OOPs.

In the last hour of the event we gave four programming questions to the attendees and asked them to solve those questions using the concepts they have learned till now. Few of them solved a few questions. In the last part of the events we gave them the solutions of the question and showed the logic behind the questions.

Concepts taught on Day 3–

-Kotlin Programming language

–What is JVM?

–Variables & Datatypes

–String Templates

–Functions & Arrays

–Conditional statements

–Loops, lists & some concepts of OOPs



DAY 4: - UI/UX DESIGNING AND XML LAYOUTS - SESSION REPORT

Date – 26/09/2022

Timing – 2:00 to 5:00PM

Venue – Seminar Hall, E-Block, BBDITM LUCKNOW.

This was the 4th Day of the Compose Camp. It was about UI/UX designing Using Figma . Figma is a tool which we can use to design modern UIs. In the event Speaker Jamsheer Shekh, the previous GDSC lead introduced the students with the mnemonics of designing. He taught concepts like Golden Ratios, what is actually UI and UX and what is Designing.

He gave some resources from where students can get open-source designing templates for their Projects. He gave a brief description like Layout Typography, Iconography, Color contrast, Color palette, Spacing Composition, Font resources, Color resources, Visual hierarchy

The session contains a hands-on tutorial of creating a layout using Figma and a tour of Figma on how to use it. He made a design of a Modern looking Login Page, then we implemented that in Android Studio.

This event has one more topic included in it, which is XML layouts. XML is a Markup Language which is used in Android to design app layout. We used XML to design some layout and gave the audience a handful of knowledge of writing XML code.

On Day 4 almost every student designed the project which we gave to them, which showed the success of the event.

Concepts taught on Day 4–

- What is Figma & UI/UX?**
- Layout, Typography & Iconography**
- Color contrast, Color palette & Spacing Composition**
- Font resources & Color resources**
- Visual hierarchy, XML & XML for Android**



DAY 5: - JETPACK COMPOSE FUNDAMENTALS - SESSION REPORT

Date – 28/09/2022

Timing – 2:00 to 5:00PM

Venue – Seminar Hall, E-Block, BBDITM LUCKNOW.

This was the 5th and the Last Day of the Compose Camp. On the Final Day of the Event we introduced the audience with a new Technology called Jetpack Compose.

Jetpack Compose is Android's modern toolkit for building native UI. Google Introduced it last year to the developers community as a replacement of XML and other UI making tools.

On the Day 5 we introduce the Student's with Composable functions, which are building blocks of Jetpack Compose. We showed them how they can create Composable Functions and Design native UI with Jetpack Compose within the Kotlin Code instead of using XML code.

Till Day 4 we have created 5 working Android apps. And on the 5th Day we Used Jetpack Compose to Design UI of those App's using Jetpack Compose within the Kotlin Files.

And We also introduced them with a resource which google provides to the students for free to learn Android Development.

We gave them the tour of two Pathways one with Android with Jetpack Compose and Other is Android with XML & also Introduced Students with GitHub Student Developers Pack to avail the resources provided by GitHub to build a better community of Developers.

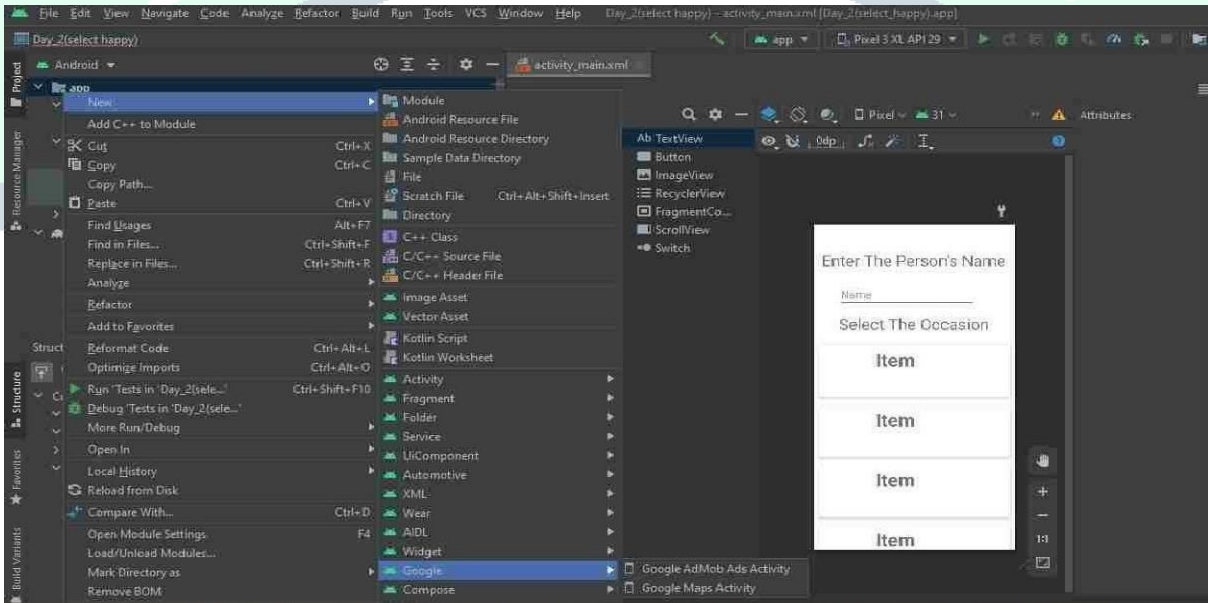
The feedback of the students who attended all 5 Days of the event was very good, those who missed 1 or 2 days had little to catch up. We are providing the whole video tutorial on the YouTube Channel of GDSC BBDITM, for students to practice and those who missed can learn from there.

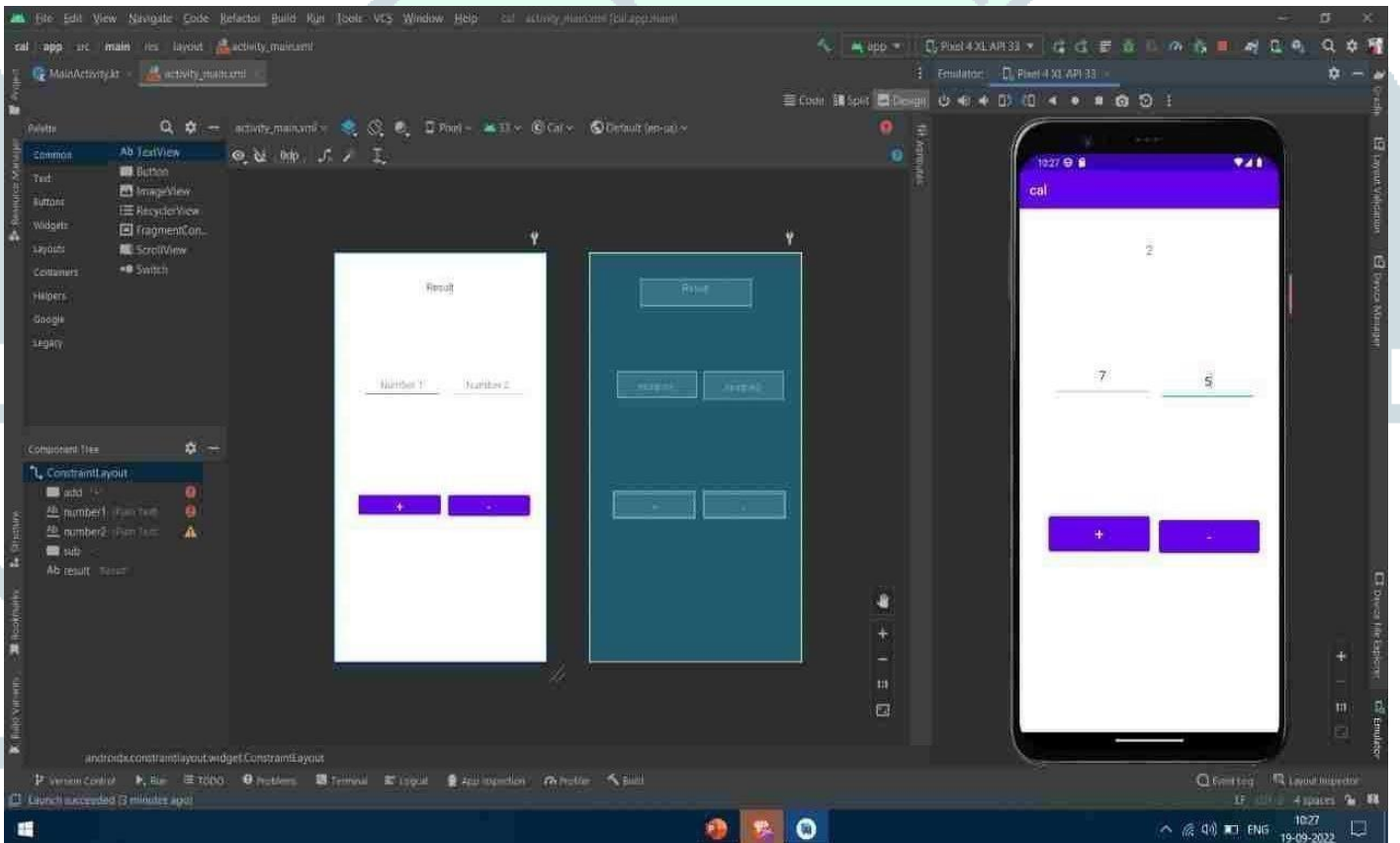
Things We Discussed on Day 5–

- What is Jetpack Compose & Composable Functions?**
- Why should we Use Jetpack Compose over other Technologies?**
- Creating Composable functions & UI with Jetpack Compose**
- Resource to learn advance Android**
- Courses by Google for Android Developers.**

Moments from the event: -















COMPOSE CAMP

Name	Branch	Year	Out of 5 events, How many did you attend ?	Mention the event you liked the most and Why ?	Rate your overall experience with Compose Camp	Please give your genuine feedback (We will be trying to improve in upcoming events)	Any Suggestions or queries?
Muskan Gupta	CSE	3rd year	5	It's nice to learn a lot	5	Excelente	No
DEPIKA GUPTA	CSE	2nd year	3	UI-UX	5	Very interesting and informative	No
Vijay Adhikari	CSE	2nd year	5	Wishing app and Login Page	5	The event was well conducted and very well organised.	event in seminar hall .
Ayush Pratap Singh	CSE	2nd year	5	wishapp event	5	camp....	no
Ayush Chaturvedi	CSE	2nd year	5	figma	5	learnt very much	no
Shikhar kanauja	CSE	2nd year	5	Happy birthday app it was related to app development i like app development	5	It was good	Class mei audio ki kaami thi
Ashish Kumar Shaw	CSE	2nd year	5	1 , 2 , 3 , and 4	4	Lot of thanks to our organiser and seniors which compose this camp which cause we learnt very new	No.
Devansh Srivastava	CSE	2nd year	5	2nd event where we have to make two application first one was Calculator and the second one was Wish Application and where we learn some basics about Kotlin Programming Language.	4	Overall it was a good event and it was my first event and it was pretty interesting and we achieve to learn many thing and develop new ideas. Just improve in noise quality .Overall it was excellent.	Where i get these Certificate offline or through E-mail?
Arish Ahmad	CSE	2nd year	5	Interactive, and doubt clearing	5	Internet	No
Vartika Raj	CSE	2nd year	5	The UI/UX designing event	5	The event was very interactive and helpful	Please try to provide wifi connections in the college
Aditi Tiwari	CSE	2nd year	5	UI/UX design	5	Helpful	Provide wifi
Anuj patel	CSE	2nd year	3	1,2 and 3	3	I like your compose camp of android development more	No
Janhvi Srivastava	CSE	2nd year	5	Android application development	4	The events were very useful, i learnt new things. The only need required is to make the events more effective,	Make the events more informative and interactive.
Janhvi Pandey	CSE	2nd year	5	Wishing App because this is the very first app which is made by me in one go	5	Loved the session 🥰	It will be better if time could be increased on explanation part especially the code one 🥰
Nishkarsh Singh	CSE	2nd year	5	Because this event gives a new idea about android development good sessions and good way of teaching	5	Sir wifi is required during the event because our data is not much efficient for our laptop	none
Ashutosh Kumar Maurya	CSE	2nd year	5	Android Application Development because we have learnt and understood making many apps	5	good sessions	need a better arrangement
Divyanshi Gupta	CSE	2nd year	5		5	Event should be more informative and it seemed to be as if we are only coping the code	Event should more enlightened
Priyanshu Chaurasiya	CSE	2nd year	5	I just loved the fourth day, bcoz I am so interested in Designing UI/UX for web and apps. And working with Figma in the event was so nice.	4	Very first thank you for the 5 day long event, more precisely for in-person event, it was amazing to know and get familiar about a new technology and skill. Maybe I don't choose it as my career but now I am having a base knowledge in the field that's surely gonna help me out somewhere in the journey.	The event was fine but in suggestions I think you can go for sound check, when I got late and sitting at the back, there was a little issue of the sound there. I'm not getting anymore suggestions right now, will let you know later if something strikes my mind.
Charvi Singh	CSE	2nd year	5	Ux/UI and layout	5	The events were organized very well, the mentors gave their best in making the event successful and taught in the best way possible.	A little more in-depth knowledge would help in the future events it would be more nicer .
Abhlisha Srivastava	CSE	2nd year	5	making calculator application	4	good	
Aayush Sharma	CSE	2nd year	5	Calculator	4	Speakers would be a good option for explanation.	Nope.
Faraz Ahmad Siddiqui	CSE	2nd year	4	Compose camp	5	All the events were great we learned a lot from all these events and explored new things and i think GDSC is a platform where we easily interact to our seniors and faculty members	Everything was right, just the sound of people murmuring created disturbance in the event.
Alisha Kumari	CSE	2nd year	4	Day 2	5	It was Good.	None
Aditi Tiwari	CSE	2nd year	5	I liked event 4 UI/UX Design	4	It is very interesting event and I take more knowledge in this event	None
Mansi Shukla	IT	2nd year	5	I liked the day 4 of the program which was on figma. I got know about how to create a login page and it was fun creating it.	5	Students attending the event should get refreshments and drinks too. As it is the second half of the college so we feel a little drowsy and tired.	NO
Ananya Mishra	IT	2nd year	5	I liked the day 3 of the event where we got to know about the basics of kotlin first hand , it was informative and practical.	5	It will be easier if the event is in the first half as the second half gets a little tiring.	Not really.
Asmita Singh	IT	2nd year	5	I liked the event, where we were taught about the figma thing by designing a login page. As I have a keen interest in UI/UX designing, I enjoyed it.	4	I personally liked the overall event. Hoping to see many more like such. Only the charging point was quite an issue during the event.	No
Arish Ahmad	CSE	2nd year	5	Interactive and doubt clearing	5	Great experience in learning something new	Internet
Gargi Porwal	CSE	2nd year	5	UI/UX designing	4	Voice is not clear and also projector	Programming should be teach
Arpit Sharma	CSE	2nd year	5	First one because that was the first time we all made an app	5	Everything was great	No
Amana Shariq Khan	CSE	2nd year	4	Ux / UI part of the event that we did using Figma - It was not only fun to make but also we were able to grasp it quickly as compared to what we learned in other events .	4	The mic's should be louder so the one's at the back can hear it clearly	No
Raman Kumar Singh	CSE	2nd year	5	UI /UX	4	Thank you for the event organised so well and i got the chance to learn a lot about android.	Nothing much the event was fine overall.
Yash Singh	CSE	2nd year	5	Figma because the in the figma event the explanation was in a perfect sequence.	4	Our gdsc mentors really worked hard to conduct the event but the explanation on the topics of the events should be in a more accurate sequence.	Wifi should be provided.Power sully should should also be included.
Shivam Sharma	CSE	2nd year	5	FIGMA one because the in the figma event the explanation was in a perfect sequence	5	Everything was great but there was only one problem related to internet issue due to which lots of problem were raised it would be better if wifi service is provided during events .	No suggestions
Sneha singh	CSE	2nd year	5	1 it was more interactive	5	Session was very helpful	No
Sunny Singh	CSE	2nd year	5	UI/UX	4	Great experience and something new to explore.	In future conduct more interesting and learning events like this.
Riya Srivastava	CSE	2nd year	5	Figma and kotlin language	5	Event was good and informative. Learnt alot and helped in choosing the path.	Similar type of next event should be scheduled soon
Aditi Tiwari	CSE	2nd year	5	I liked event 4 UI/UX Design	4	All event is very interesting.I take more knowledge in all event	None
SUYASH PAL	CSE	2nd year	5	Android development	4	So fruitful for us and	Outstanding webinar
Hari Om Chaurasiya	CSE	2nd year	4	UI/UX	4	It was fruitful for us and we learnt about so many interesting new things.	In future conduct more events like this which enhance our career.
Ayush Srivastava	CSE	2nd year	4	Kotlin deepdive because in kotlin deepdive I learn more about function,variables how can we use here	5	Nice all events i	No
Soham Mishra	CSE	2nd year	5	Wishing Application. Because with one application I can wish everybody on many different occasions.	4	Kindly try to make the coding part more understandable by providing the logic behind it.	Same as above.
Anant Pandey	IT	2nd year	5	Figma ui/ux	5	Compose camp event was very engaging and knowledge giving.	Camp was good.
Atharva chauhan	IT	2nd year	5	3	4	Event ws good	Nope
Nitin yadav	IT	2nd year	5	3	5	Good	No
Abhishek kumar	IT	2nd year	5	UI/UX designing using Figma	5	This was best event i have attend ever. I would like to learn more new skills like app development and ui/ux designing , graphics designing etc . Overall it was very interesting event .	Yeah we would like you to introduce more courses like this for students of IT department.
Yashwant Kumar sharma	CSE	2nd year	5	Kotlin	4	Nice	No
Anushka singh	CSE	2nd year	5	The events when me made actual apps it was really fun	5	Overall the camp was really fun and informative. But we needed things to be a little more clear due to noise may be we didn't understood a few concepts	.
Aditya pandey	CSE	3rd year	1	*	5	Best	*
Arish Ahmad	CSE	2nd year	5	First because I get to make my first android app with kotlin	5	Internet	No
Arpit Sharma	CSE	2nd year	5	First event because I learned made an Android app	5	Everything was great	No