



EDUCATION SOCIETY®  
J N N COLLEGE OF ENGINEERING, SHIVAMOGGA  
Department of Electronics & Telecommunication Engineering



CIRCULAR

25.07.2020

Two-Days Online Student Development Program on “Android Application Development” for 3<sup>rd</sup> and 5<sup>th</sup> Sem students is arranged by Electronics and Telecommunication Engineering Department in association with Training & Placement Cell, JNNCE, Shimoga on 01-08-2020 and 02-08-2020. All the students are requested to attend the same.

*Ashwini S R*

**Coordinators**

Ms. Ashwini S R

Mrs. Rashmi M Hullamani *Rashmi*

*25-07-2020*

**HoD, E & T E Dept.,**

**Head of the Department**

Dept. of Electronics & Telecommunication Engg.

J N N College of Engineering

Shivamogga-577204, Karnataka



**NATIONAL EDUCATION SOCIETY®**  
**J N N COLLEGE OF ENGINEERING, SHIVAMOGGA**  
Department of Electronics & Telecommunication Engineering



**Event Report**  
**On**  
**“ANDROID APPLICATION DEVELOPMENT”**

**Department of Electronics & Telecommunication Engineering**  
In association with  
**Training & Placement Cell**

<b>Name of the Event</b>	ANDROID APPLICATION DEVELOPMENT
<b>Date of the event and venue</b>	01.08.2020 & 02.08.2020 JNNCE, Shimoga
<b>Type of the Event</b>	Student Development Program
<b>Whether the event is organized in association with any JNNCE Dept.</b>	Department of Electronics & Telecommunication Engineering In association with Training & Placement Cell
<b>Details of the funding received from associating partners</b>	Financed by the Institution (through Training & Placement Cell) Sanction order enclosed as an Annexure – 1
<b>Beneficiaries</b>	Student of 3 <sup>rd</sup> and 5 <sup>th</sup> semester. Participants list as Annexure – 2
<b>Detailed schedule with the topics covered</b>	Enclosed as Annexure – 3
<b>List of Speakers / guests</b>	Dr. Vishwa Kiran S. Details of speaker enclosed as Annexure – 4
<b>Brief Report of the event</b>	Enclose as an Annexure – 5
<b>Outcome of the event</b>	Participants were able to develop their own android applications and understood working of various android applications. Participants worked on Cross Development Environment by setting up Host environment. Live project helped students understand the underlying technology of Android
<b>Photos</b>	Enclosed as Annexure – 6
<b>Invitation of programme/Program Schedule</b>	Enclosed as Annexure - 7
<b>Date of Submission of the Report</b>	



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Department of Electronics & Telecommunication Engineering



Signature with date

Event Coordinators

*P.B*  
HOD  
03/09/2020



National Education Society (R.)  
J N N College of Engineering, Shivamogga  
(Approved by AICTE, New Delhi, certified by UGC 2f & 12B,  
Accredited by NAAC – 'B', UG  
programs: CE, ME, EEE, ECE, CSE, ISE, TCE accredited by  
NBA:1.7.2019 to 30.6.2022  
Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)



**Department of Electronics & Telecommunication Engineering**

**In Association With**

**Training & Placement Cell**

***Cordially Invites You***

for

**Two Days Online Student Development Program**

on

**“Android Application Development”**

Dates: 1st and 2nd August, 2020

Time: 10.30 am to 12.30 pm  
2.00 pm to 4.00 pm

***Welcome you all***

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**Coordinators**

*Ms. Ashwini S R*

*Mrs. Rashmi M Hullamani*

**HoDs and Staff**

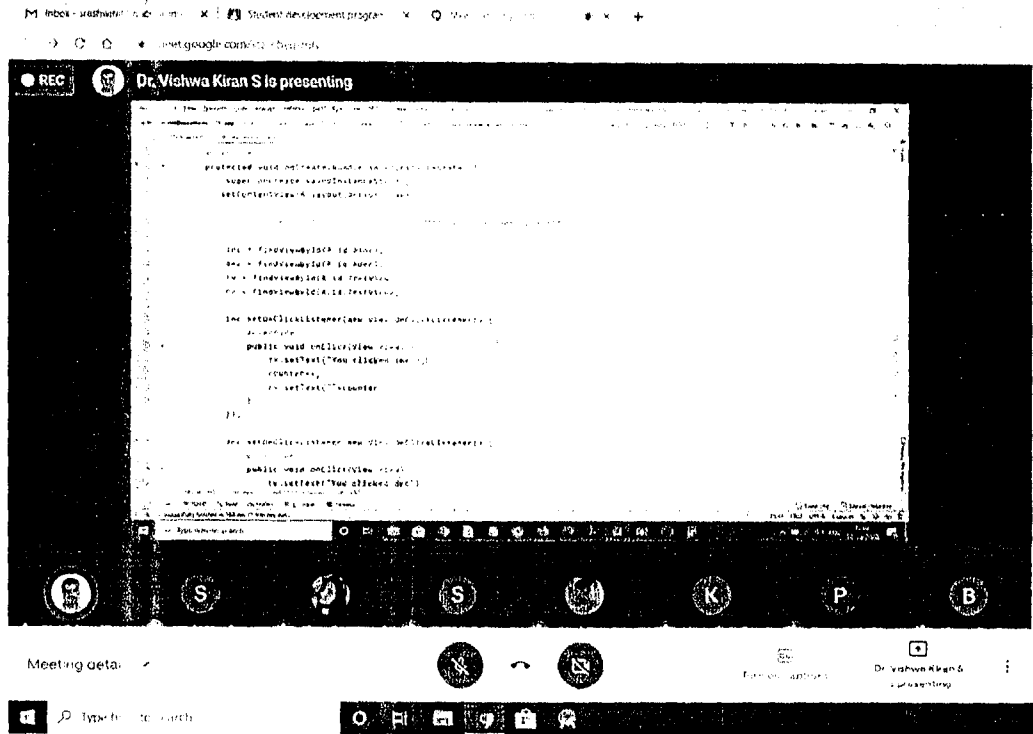
*Dept. of E & T E.*

*T & P Cell*

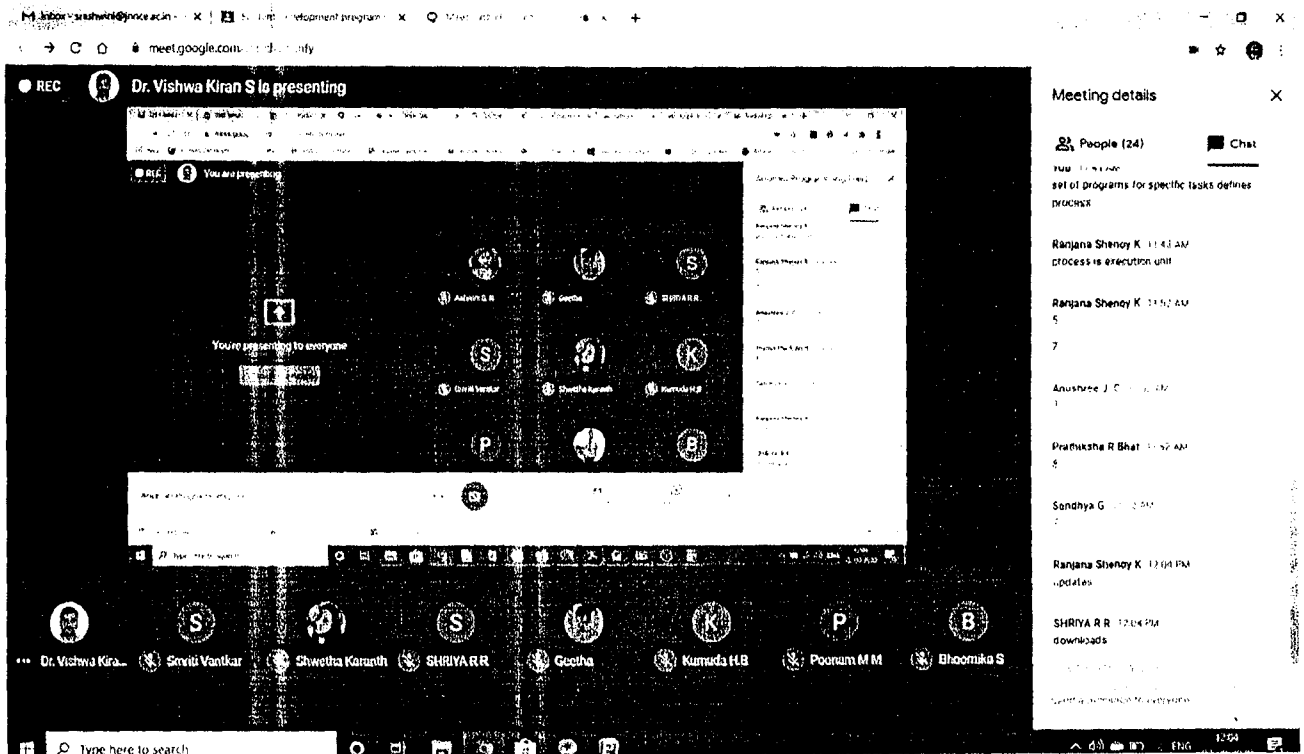
*JNNCE*

## ANNEXURE – 6

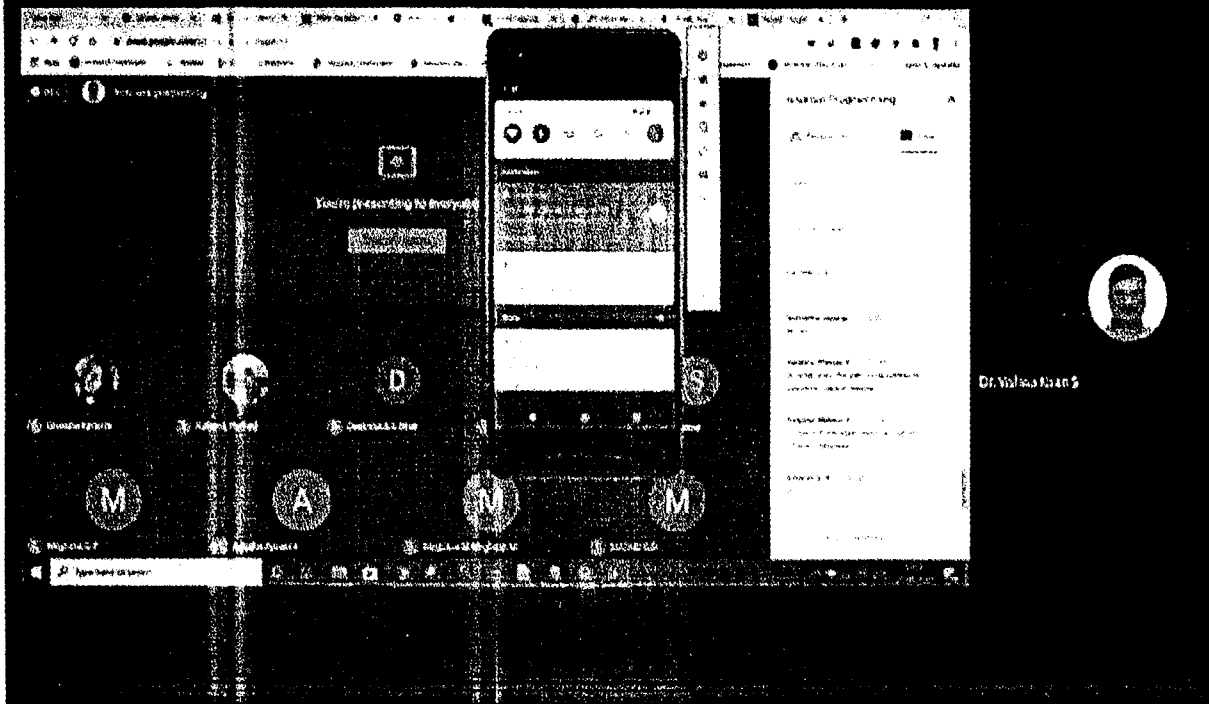
### Screenshot of Sessions of Two-days student development programme on “Android Application Development”



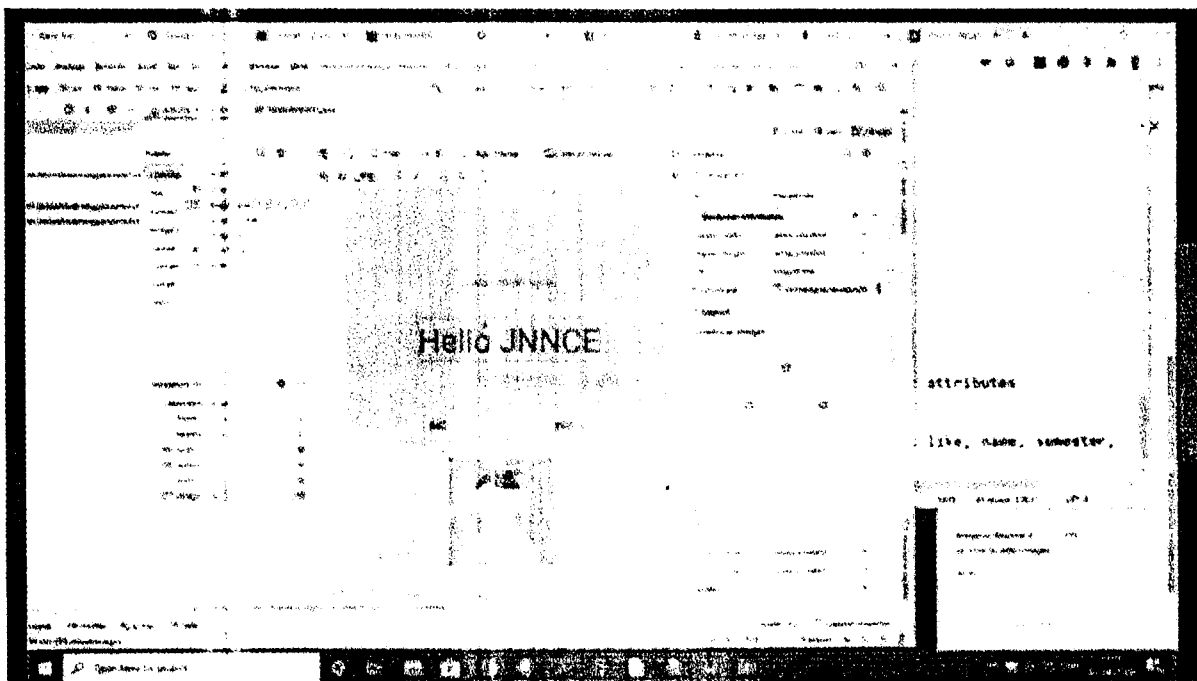
### Live programming sessions on Activity



### Interaction on chat window



AVD (Emulator) output demonstration



Live Programming on Android Studio

## ANNEXURE - 2

## PARTICIPANT LIST

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Co-ordinators

Ashwini S R

Rashmi M Hullamani

*Ashwini S R*  
*Rashmi*

*Dr. Ushadevi M. B.*  
Head of the Department  
08/08/2020

Dr. Ushadevi M. B.

## ANNEXURE – 5

### REPORT

Two-days student development program on Android Application Development was conducted by the department of Electronics & Telecommunication Engineering in association with Training & Placement Cell of JNN College of Engineering on 01.08.2020 & 02.08.2020.

The registrations were obtained from 3<sup>rd</sup> and 5<sup>th</sup> semester students. A total of 48 students participated in this workshop from Electronics & Telecommunication Engineering, Computer Science & Engineering, Information Science & Engineering and Mechanical Engineering programs from JNNCE and other colleges.

The workshop was conducted by Dr. Vishwa Kiran S., Assistant Professor, Department of Computer Science & Engineering, BMS Institute of Technology and Management using Google Meet platform. A pre-workshop session was conducted ahead of the workshop to provide guidance for software installation (Android studio, Vysor, AVD) and acquaintance with the programming environment.

The Android Application Development Workshop provided participants technical training on the concepts and programming methodologies needed to develop applications for mobile devices. Participants learned to use different android libraries. Instruction were aided with live projects which allowed students to grasp concepts of the complete mobile application development life-cycle. Participants were able to develop their own android applications and understand working of various android applications. They were encouraged to think and come up with new application ideas with interactive lecture sessions. The course covered android architecture, application development fundamentals, activity and event incorporation in application. Live programming helped students grasp the material easily.

The recording of each session and related study material was posted on google class room to ensure revision for participants. Assignments to develop simple applications were successfully completed by the students. E-Certificate was provided to the participants who completed the workshop.

The workshop could bridge the gap and attained the PO's Engineering Knowledge, Problem Analysis, Design/Development of solutions, Modern Tool Usage, Life Long Learning. This workshop facilitated to bridge the gap industry and curriculum.

**Co-ordinators:**

Ashwini S. R.

Rashmi M. Hullamani

*Rashmi*

*2- PB 02/08/2020*  
Head of the Department  
Dr. Ushadevi M. B.

## ANNEXURE - 4

### SPEAKER DETAILS

Dr. Vishwa Kiran S.  
Assistant Professor  
Department of Computer Science & Engineering  
BMS Institute of Technology and Management  
Doddballapur Main Road,  
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Dr. Vishwa Kiran S. is associated with Artificial Intelligence and Machine Learning department of BMS Institute of Technology and Management. He has 18 years of experience in embedded software development and training. He is a consultant for Pushkala Technologies Pvt Ltd, Harriot Solutions and Aprameyah Technologies Pvt. Ltd for development and corporate training activities. His research work is published in Springer and Inderscience Journals. He is a preferred Corporate Trainer for various companies like: HGST Japan, a Western Digital company (Japan), Cisco, Siemens, Volvo, Samsung, L&T. He has trained more than 300 professionals of various companies on Embedded C, Advanced C++, Linux, Android, IoT, Linux Kernel Driver. He is passionate to work on IoT, Linux driver development and building android for embedded systems. He has received B. E. in Electronics and Communication Engineering from Bangalore University in 2000, M. Tech. in Computer Science and Engineering from Visvesvaraya Technological University in 2005 and Ph.D. in Computer Science and Engineering from Bangalore University in 2019.

#### Bank Account Details

Account holder's name: VISHWA KIRAN  
Account no.: 51050095313  
IFSC/RTGS/NEFT: FC0000075

## ANNEXURE – 3

### TOPICS COVERED

Date & Time	Details of topics covered
31.07.2020 4.00 pm - 5.00 pm	Free workshop instructions and installation of Android studio
01.08.2020 10.30 am – 12.30 pm	<ul style="list-style-type: none"> <li>• Android Architecture, Setting up host machine for cross development environment</li> <li>• Introduction to Object Oriented Programming</li> <li>• Understanding Android project structure, Developing applications like profile applications</li> <li>• Android Application fundamentals, Android Manifest file</li> </ul>
01.08.2020 2.00 pm – 4.00 pm	<ul style="list-style-type: none"> <li>• Intent, Intent filtering between activities, passing data to another activity, returning result from an activity, saving an activity</li> <li>• Storing persistent activity data</li> <li>• Building application such as famous quote, department profile app</li> </ul>
02.08.2020 10.30 am – 12.30 pm	<ul style="list-style-type: none"> <li>• Weight View and View groups, Linear Layouts, RecyclerViews, Table Layout, List View, Grid view</li> </ul>
02.08.2020 2.00 pm – 4.00 pm	<ul style="list-style-type: none"> <li>• Screen Events</li> <li>• Media</li> <li>• Q &amp; Answer Session</li> </ul>



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Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC –'B',  
All 7 UG Programs have been Accredited by National Board of Accreditation(NBA) for period 1.7  
30.6.2022, Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)



## Department of Electronics and Telecommunication Engineering

Title of Event: Android Application Development

Program Outcome	Relevance	Remarks
<b>PO1: Engineering Knowledge:</b> Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	3	
<b>PO2: Problem Analysis:</b> Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	3	Troubleshooting problems on Android application
<b>PO3: Design/Development of Solutions:</b> Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.	2	Design Application development
<b>PO4: Conduct investigations of complex problems:</b> Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.		
<b>PO5: Modern Tool Usage:</b> Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.	2	Android tool application tool
<b>PO6: The Engineer and Society:</b> Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.		
<b>PO7: Environment and Sustainability:</b> Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.		
<b>PO8: Ethics:</b> Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.		