

# 20VC034 - MOBILE APPLICATION DEVELOPMENT USING KOTLIN

| L | T | P | Credit |
|---|---|---|--------|
| 2 | 0 | 1 | 2      |

**Preamble** This course provides an environment to develop an Android application which combines object-oriented concepts and functional programming

**UNIT – I Basics of Kotlin Programming:** 10

Kotlin vs Java - Data types - Variables - Operators - Program Control Structures: Decision making and branching - Looping - Arrays - functions - Classes and Objects - Generics and Collections.

**UNIT – II Developing Simple Android Applications:** 10

Installing Android Studio - Creating an example application in Android Studio - Creating an Android Virtual Device - Anatomy of an Android Application - Kotlin Android Activity Lifecycle - Android Studio Layout Editor - Creating an Activity - Android Basic Design Components: Text View - Edit Text - Toast - Button - List View - Alert Dialog - Image Button - Toggle - Rating - Event handling

**UNIT – III Advanced App Development and Android Services:** 10

Advanced UI Components: Auto image slider, Menu, Popup Menu, Seek bar, Regex: Introduction to Regular Expressions - Regex patterns: Intents: Implicit Intent, Explicit intent, Passing Parameters from one Activity to Another. Database connectivity using Android SQLite Database - Android Location Tracking Service.

## List of Exercises / Experiments:

- Develop simple programs using the basic programming constructs in Kotlin
  - Develop a kotlin program to do the student mark analysis using functions with named and default arguments, class and objects
- Design an app for calculating BMI value of a person using various functional programming concept and extensions
- Develop a simple calculator application using generics
- Design a simple registration form using various Android components such as TextView, EditText, ListView, and Button
- Create a sample application with login module (check username and password) using Activity, Intent, and Basic Components in Android
- Develop an application to perform the following tasks using Android design components, Kotlin programming, and Database connectivity
  - Store students' details like roll no, name, branch, marks, percentage into a database table
  - Retrieve, update and delete student information by getting the student's Roll No.
- Create a simple application to check the format of a User Name and Email ID using regular expressions
- Create an application to demonstrate the usage of inline functions in collection and sequences.
- Develop an application that uses Layout Managers and Event Listeners.
- Display various services provided by a web app using grid and list view
- Develop an native application that uses GPS location information.
- Create an app to demonstrate online database transactions of information (like ecommerce site)

Lecture:30, Practical:20, Total:50

## REFERENCES:

- Dawn Griffiths, "Head First Kotlin", O'Reilly Media, Inc, 2019
- Stephen Samuel, Stefan Bocutiu, "Programming Kotlin", Packt Publishing Ltd, 2017
- Neil Smyth, "Kotlin / Android Studio 3.0 Development Essentials - Android 8 Edition", Payload Media, Inc, 2017

## COURSE OUTCOMES:

On completion of the course, the students will be able to

CO1 demonstrate various programming constructs of Kotlin

CO2 develop android applications with interactive interface using Android design components, layouts and navigations

CO3 create real-time android-based mobile applications using database connectivity with SQLite

CO4 make use of location identification using GPS

BT Mapped  
(Highest Level)

Applying (K3),  
Precision (S3)

Applying (K3),  
Precision (S3)

Applying (K3),  
Precision (S3)

Applying (K3),  
Precision (S3)

Mapping of COs with POs and PSOs

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| CO1     | 3   | 2   | 1   |     |     |     |     |     |     |      |      |      | 1    | 2    |
| CO2     | 3   | 2   | 1   |     |     |     |     |     |     |      |      |      | 1    | 2    |
| CO3     | 3   | 2   | 1   |     |     |     |     |     |     |      |      |      | 1    | 2    |
| CO4     | 3   | 2   | 1   |     |     |     |     |     |     |      |      |      | 1    | 2    |

1 - Slight, 2 - Moderate, 3 - Substantial BT- Bloom's Taxonomy

ASSESSMENT PATTERN

| Test / Bloom's Category*    | Remembering (K1) % | Understanding (K2) % | Applying (K3) % | Analyzing (K4) % | Evaluating (K5) % | Creating (K6) % | Total % |
|-----------------------------|--------------------|----------------------|-----------------|------------------|-------------------|-----------------|---------|
| Assessment1-MCQ (50marks) * | 20                 | 40                   | 40              |                  |                   |                 | 100     |
| Mini Project (50marks) *    |                    | 40                   | 60              |                  |                   |                 | 100     |

07/11/21

*[Signature]*  
Signature of the Chairman  
1st Studies - CSE



KONGU ENGINEERING COLLEGE (AUTONOMOUS)  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
20VC024 Mobile Application Development using KOTLIN - TWO CREDIT COURSE - ATTENDANCE SHEET

| S.No. | Roll No. | Name of the Student     | Dept. | Year/<br>Sec | Dates            |                   |                   |                   |                   |                   |                   |                   |                  |                  |                  |                   |                   |                   | Total hours present | ATTENDANCE<br>% |
|-------|----------|-------------------------|-------|--------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|---------------------|-----------------|
|       |          |                         |       |              | 9.5.2022 (2 hrs) | 10.5.2022 (2 hrs) | 19.5.2022 (2 hrs) | 20.5.2022 (2 hrs) | 24.5.2022 (2 hrs) | 24.5.2022 (3 hrs) | 30.5.2022 (2 hrs) | 31.5.2022 (2 hrs) | 7.6.2022 (2 hrs) | 8.6.2022 (2 hrs) | 9.6.2022 (2 hrs) | 10.6.2022 (2 hrs) | 12.6.2022 (3 hrs) | 19.6.2022 (3 hrs) |                     |                 |
| 1     | 20CSR045 | DINESH N                | CSE   | II/A         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 45              |
| 2     | 20CSR065 | GOWTHAM N               | CSE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 45              |
| 3     | 20CSR135 | NAVANEETHA KRISHNAN V R | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 44              |
| 4     | 20CSR137 | NEERAJ M                | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 44              |
| 5     | 20CSR138 | NIKASH J                | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 44              |
| 6     | 20CSL258 | NITHESH KUMAR T         | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 47              |
| 7     | 20CSL259 | PRANESH ROSHAN N V      | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 47              |
| 8     | 20CSR151 | PRANESH T               | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 47              |
| 9     | 20CSR152 | PRAVEEN B               | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 44              |
| 10    | 20CSR161 | RAHUL V                 | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 45              |
| 11    | 20CSR162 | RAJASURYA R             | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 47              |
| 12    | 20CSR163 | RAKESH R J              | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 47              |
| 13    | 20CSR168 | RANJITH KUMAR M         | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 48              |
| 14    | 20CSR169 | RENISH RAJA S M         | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 48              |
| 15    | 20CSR176 | SADHASIVAM K V          | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 48              |
| 16    | 20CSR182 | SANCHITH C S            | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 48              |
| 17    | 20CSR183 | SANJAY B                | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 45              |
| 18    | 20CSR185 | SAJEEV B                | CSE   | II/C         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 46              |
| 19    | 20CIL100 | RAVISHANKAR G           | EIE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 48              |
| 20    | 20EIR062 | RAJAS KARS              | EIE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 45              |
| 21    | 20EIR063 | RAJESH KANNA K          | EIE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 42              |
| 22    | 20EIR064 | RAJ KUMAR K             | EIE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 43              |
| 23    | 20EIR074 | SASIKUMAR K P           | EIE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 48              |
| 24    | 20EIR072 | SATHYANANDHAN K         | EIE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 45              |
| 25    | 20EIR080 | SRIHARIRAMANAA K        | EIE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 45              |
| 26    | 20EIR081 | SUDHARANAN G            | EIE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 42              |
| 27    | 20EIR082 | SURJANTH S              | EIE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 45              |
| 28    | 20EIR084 | SURENDAR S              | EIE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 46              |
| 29    | 20EIR085 | SURYA K                 | EIE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 41              |
| 31    | 20EIR087 | THILAKANTH T G          | EIE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 48              |
| 32    | 20EIR088 | THIYANIS NIS            | EIE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 46              |
| 33    | 20EIR091 | VISHAL C K              | EIE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 41              |
| 34    | 20EIR093 | VINWABARATHIN S         | EIE   | II/B         | P                | P                 | P                 | P                 | P                 | P                 | P                 | P                 | P                | P                | P                | P                 | P                 | P                 | P                   | 46              |

DATE: [Certified by]  
Signature of P. S. M. N. N. N.  
COURSE INCHARGE

17/05/22  
P. S. M. N. N. N.  
18/03

**KONGU ENGINEERING COLLEGE (AUTONOMOUS)**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**20VC054 Mobile Application Development using KOTLIN - Attendance Sheet**

| S.No. | Roll No. | Name of the Student | Conducted Hours | Total hours present | ATTENDANCE % |
|-------|----------|---------------------|-----------------|---------------------|--------------|
| 1     | 20CSR045 | DINESH N            | 50              | 45                  | 90           |
| 2     | 20CSR065 | GOWTHAM N           | 50              | 47                  | 94           |
| 3     | 20CSR135 | NAVANEETHA          | 50              | 44                  | 88           |
| 4     | 20CSR137 | NEERAJ M            | 50              | 44                  | 88           |
| 5     | 20CSR138 | NIKASH J            | 50              | 47                  | 94           |
| 6     | 20CSL258 | NITHESH KUMAR T     | 50              | 47                  | 94           |
| 7     | 20CSL259 | PRANESH ROSHAN      | 50              | 47                  | 94           |
| 8     | 20CSR151 | PRANESH T           | 50              | 44                  | 88           |
| 9     | 20CSR152 | PRAVEEN B           | 50              | 46                  | 92           |
| 10    | 20CSR161 | RAHUL V             | 50              | 45                  | 90           |
| 11    | 20CSR162 | RAJASURYA R         | 50              | 47                  | 94           |
| 12    | 20CSR163 | RAKESH R J          | 50              | 48                  | 96           |
| 13    | 20CSR168 | RANJITH KUMAR M     | 50              | 48                  | 96           |
| 14    | 20CSR169 | RENISH RAJA S M     | 50              | 48                  | 96           |
| 15    | 20CSR176 | SADHASIVAM K V      | 50              | 48                  | 96           |
| 16    | 20CSR182 | SANCHITH C S        | 50              | 45                  | 90           |
| 17    | 20CSR183 | SANJAY B            | 50              | 46                  | 92           |
| 18    | 20CSR185 | SANJEEV B           | 50              | 48                  | 96           |
| 19    | 20EIL100 | RAVISHANKAR G       | 50              | 43                  | 86           |
| 20    | 20EIR062 | RAJASEKAR S         | 50              | 42                  | 84           |
| 21    | 20EIR063 | RAJESH KANNA K      | 50              | 43                  | 86           |
| 22    | 20EIR064 | RAJKUMAR K          | 50              | 48                  | 96           |
| 23    | 20EIR071 | SASIKUMAR K P       | 50              | 45                  | 90           |
| 24    | 20EIR072 | SATHYANANDHAN K     | 50              | 45                  | 90           |
| 25    | 20EIR080 | SRIHARIRAMANAA K    | 50              | 42                  | 84           |
| 26    | 20EIR081 | SUDHARSAN G         | 50              | 43                  | 86           |
| 27    | 20EIR082 | SUGANTH S           | 50              | 46                  | 92           |
| 28    | 20EIR084 | SURENDAR S          | 50              | 41                  | 82           |
| 29    | 20EIR085 | SURYA K             | 50              | 48                  | 96           |
| 30    | 20EIR085 | SYED SHAMEER M.R    | 50              | 48                  | 96           |
| 31    | 20EIR087 | THILOCHAN T.G.      | 50              | 46                  | 92           |
| 32    | 20EIR088 | THIYANESH S         | 50              | 41                  | 82           |
| 33    | 20EIR091 | VISHAL C.K          | 50              | 46                  | 92           |
| 34    | 20EIR093 | VISWABARATHIS       | 50              | 45                  | 90           |

C. J. M. [C. J. M.]  
 17/8/22  
 P. S. [P. S. SAMITHYAN]  
 COURSE INCHARGE

[Signature]  
 HOD

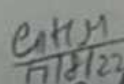
**KONGU ENGINEERING COLLEGE (AUTONOMOUS)**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**2021 - 2022 EVEN SEMESTER**

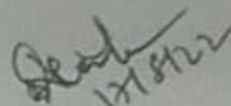
**TWO CREDIT COURSE**

**20VC034 - Mobile Application Development using Kotlin**

**Marklist**

| S.No. | Roll No. | Name of the Student | Department | Year/Sec | MCQ (50) | Mini Project (50) | Total Mark (100) |
|-------|----------|---------------------|------------|----------|----------|-------------------|------------------|
| 1     | 20CSR045 | DINESH N            | CSE        | II/A     | 43       | 47                | 90               |
| 2     | 20CSR065 | GOWTHAM.N           | CSE        | II/B     | 23       | 47                | 70               |
| 3     | 20CSR135 | NAVANEETHA          | CSE        | II/C     | 35       | 46                | 81               |
| 4     | 20CSR137 | NEERAJ M            | CSE        | II/C     | 43       | 45                | 88               |
| 5     | 20CSR138 | NIKASH J            | CSE        | II/C     | 40       | 43                | 83               |
| 6     | 20CSL258 | NITHESH KUMAR T     | CSE        | II/C     | 42       | 43                | 85               |
| 7     | 20CSL259 | PRANESH ROSHAN N.V  | CSE        | II/C     | 42       | 45                | 87               |
| 8     | 20CSR151 | PRANESH T           | CSE        | II/C     | 43       | 47                | 90               |
| 9     | 20CSR152 | PRAVEEN B           | CSE        | II/C     | 42       | 43                | 85               |
| 10    | 20CSR161 | RAHUL V             | CSE        | II/C     | 41       | 42                | 83               |
| 11    | 20CSR162 | RAJASURYA R         | CSE        | II/C     | 35       | 47                | 82               |
| 12    | 20CSR163 | RAKESH R J          | CSE        | II/C     | 41       | 43                | 84               |
| 13    | 20CSR168 | RANJITHKUMAR M      | CSE        | II/C     | 40       | 34                | 74               |
| 14    | 20CSR169 | RENISH RAJA S M     | CSE        | II/C     | 35       | 35                | 70               |
| 15    | 20CSR176 | SADHASIVAM K V      | CSE        | II/C     | 43       | 42                | 85               |
| 16    | 20CSR182 | SANCHITH C S        | CSE        | II/C     | 43       | 37                | 80               |
| 17    | 20CSR183 | SANJAY B            | CSE        | II/C     | 39       | 35                | 74               |
| 18    | 20CSR185 | SANJEEV B           | CSE        | II/C     | 43       | 46                | 89               |
| 19    | 20EIL100 | RAVISHANKAR G       | EIE        | II/B     | 32       | 42                | 74               |
| 20    | 20EIR062 | RAJASEKAR.S         | EIE        | II/B     | 39       | 35                | 74               |
| 21    | 20EIR063 | RAJESH KANNA K      | EIE        | II/B     | 35       | 35                | 70               |
| 22    | 20EIR064 | RAJKUMAR.K          | EIE        | II/B     | 34       | 40                | 74               |
| 23    | 20EIR071 | SASIKUMAR K P       | EIE        | II/B     | 31       | 46                | 77               |
| 24    | 20EIR072 | SATHYANANDHAN K     | EIE        | II/B     | 35       | 43                | 78               |
| 25    | 20EIR080 | SRIHARIRAMANAA K    | EIE        | II/B     | 41       | 43                | 84               |
| 26    | 20EIR081 | SUDHARSAN.G         | EIE        | II/B     | 35       | 43                | 78               |
| 27    | 20EIR082 | SUGANTH S           | EIE        | II/B     | 39       | 35                | 74               |
| 28    | 20EIR084 | SURENDAR.S          | EIE        | II/B     | 41       | 42                | 83               |
| 29    | 20EIR085 | SURYA.K             | EIE        | II/B     | 39       | 47                | 86               |
| 31    | 20EIR087 | THILOCHAN.T.G.      | EIE        | II/B     | 33       | 43                | 76               |
| 32    | 20EIR088 | THIYANESH S         | EIE        | II/B     | 38       | 40                | 78               |
| 33    | 20EIR091 | VISHAL.C.K          | EIE        | II/B     | 40       | 47                | 87               |
| 34    | 20EIR093 | VISWABARATHIS       | EIE        | II/B     | 38       | 35                | 73               |

  
 P. Santhiya  
 COURSE INCHARGE

  
 HOD

**KONGU ENGINEERING COLLEGE (AUTONOMOUS)**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**20VC034 - Mobile Application Development using KOTLIN**  
**Assessment Attendance Sheet**

| S.No. | Roll No. | Name of the Student | Attendance |
|-------|----------|---------------------|------------|
| 1     | 20CSR045 | DINESH N            | Present    |
| 2     | 20CSR065 | GOWTHAM.N           | Present    |
| 3     | 20CSR135 | NAVANEETHA          | Present    |
| 4     | 20CSR137 | NEERAJ M            | Present    |
| 5     | 20CSR138 | NIKASH J            | Present    |
| 6     | 20CSL258 | NITHESH KUMAR T     | Present    |
| 7     | 20CSL259 | PRANESH ROSHAN N.V  | Present    |
| 8     | 20CSR151 | PRANESH T           | Present    |
| 9     | 20CSR152 | PRAVEEN B           | Present    |
| 10    | 20CSR161 | RAHUL V             | Present    |
| 11    | 20CSR162 | RAJASURYA R         | Present    |
| 12    | 20CSR163 | RAKESH R J          | Present    |
| 13    | 20CSR168 | RANJITHKUMAR M      | Present    |
| 14    | 20CSR169 | RENISH RAJA S M     | Present    |
| 15    | 20CSR176 | SADHASIVAM K V      | Present    |
| 16    | 20CSR182 | SANCHITH C S        | Present    |
| 17    | 20CSR183 | SANJAY B            | Present    |
| 18    | 20CSR185 | SANJEEV B           | Present    |
| 19    | 20EIL100 | RAVISHANKAR G       | Present    |
| 20    | 20EIR062 | RAJASEKAR.S         | Present    |
| 21    | 20EIR063 | RAJESH KANNA K      | Present    |
| 22    | 20EIR064 | RAJKUMAR.K          | Present    |
| 23    | 20EIR071 | SASIKUMAR K P       | Present    |
| 24    | 20EIR072 | SATHYANANDHAN K     | Present    |
| 25    | 20EIR080 | SRIHARIRAMANAA K    | Present    |
| 26    | 20EIR081 | SUDHARSAN.G         | Present    |
| 27    | 20EIR082 | SUGANTH S           | Present    |
| 28    | 20EIR084 | SURENDAR.S          | Present    |
| 29    | 20EIR085 | SURYA.K             | Present    |
| 30    | 20EIR085 | SYED SHAMEER.M.R    | Present    |
| 31    | 20EIR087 | THILOCHAN.T.G       | Present    |
| 32    | 20EIR088 | THIYANESH S         | Present    |
| 33    | 20EIR091 | VISHAL.C.K          | Present    |
| 34    | 20EIR093 | VISWABARATHI.S      | Present    |

CHM  
 11/8/22  
 P. SANTHYA  
 Course Incharges

*[Signature]*  
 17/8/22  
 HOD



**KONGU ENGINEERING COLLEGE**  
(Autonomous)

PERUNDURAI - 638060

INTERNAL QUALITY ASSURANCE CELL

**Computer Science and Engineering  
Organizer's Check List**

NCV-05, Rev.0, 01.09.2019



CERT No. 99-100-20788  
ISO 9001:2015

**Title of the Course:** Mobile Application Development using KOTLIN

**Date** : 9.5.2022 to 28.6.2022

**Checks to be made**

| S.No. | ACTIVITY                                                                     | Yes/No/NA |
|-------|------------------------------------------------------------------------------|-----------|
| 1.    | Circular / Brochure Announcement                                             | Yes       |
| 2.    | Confirmation of participants                                                 | Yes       |
| 3.    | Identification of faculty for handling classes                               | Yes       |
| 4.    | Fixing External faculty / Industrial Experts                                 | NA        |
| 5.    | Course material preparation                                                  | Yes       |
| 6.    | Time Table preparation                                                       | No        |
| 7.    | Copy of Time Table to all faculty handling classes                           | NA        |
| 8.    | Accommodation for External Guest                                             | NA        |
| 9.    | Refreshment arrangement                                                      | NA        |
| 10.   | Hall arrangements                                                            | Yes       |
| 11.   | Presentation Aids                                                            | Yes       |
| 12.   | Attendance Sheet                                                             | Yes       |
| 13.   | Local Visits - Permission from Industries.<br>Transport, faculty arrangement | NA        |
| 14.   | Participants feed back form                                                  | Yes       |
| 15.   | Preparation of participants Certificates                                     | NA        |



**KONGU ENGINEERING COLLEGE**  
(Autonomous)  
PERUNDURAI – 638060  
**INTERNAL QUALITY ASSURANCE CELL**  
**Department Computer Science and**  
**Engineering**  
**Feedback Sheet**



- 1 Name of the Participant (Optional): SURYA K
- 2 Course title : Mobile Application Development using KOTLIN
- 3 Dates of the program : 9.5.2022 to 28.6.2022
- 4 Please rate the following parameters as per points given below.

10 - Excellent    8 - Good    6 - Average    4 - Below average    2 - Poor

|                                     |    |   |   |   |   |
|-------------------------------------|----|---|---|---|---|
| a) The overall rating of the course | 10 | 8 | 6 | 4 | 2 |
| b) Course delivery                  | 10 | 8 | 6 | 4 | 2 |
| c) Communication                    | 10 | 8 | 6 | 4 | 2 |
| d) Course material                  | 10 | 8 | 6 | 4 | 2 |
| e) Arrangements                     | 10 | 8 | 6 | 4 | 2 |
| f) Ability to clear doubts          | 10 | 8 | 6 | 4 | 2 |
| g) Practical sessions               | 10 | 8 | 6 | 4 | 2 |
| h) Hospitality                      | 10 | 8 | 6 | 4 | 2 |
| i) Examination (if conducted)       | 10 | 8 | 6 | 4 | 2 |

Please also give your suggestion for improvement

All the classes were good. It would have been better if added some more session content on database

Signature of the Participant