

Enikepadu, Vijayawada 521108 Approved by AICTE, Affiliated to JNTUK, Kakinada (ISO 9001:2015 Certified Institution)

Date: 27-11-2020

#### CIRCULAR

The following Faculty members are informed to attend the meeting at Mechanical Engineering Department office on 30-11-2020 at 2:00 PM to discuss and frame curriculum and Day wise schedule for the Add-on certificate program on "Skill-set for Modern Mechanical Engineering Design"

| S.No | Faculty Name            | Designation               | Signature |
|------|-------------------------|---------------------------|-----------|
| 1    | Mr. A Stanly Kumar      | Assistant Professor & HOD | M         |
| 2    | Dr. P KishoreKumar      | Associate Professor       | BOSHA     |
| 3    | Dr. R Jaganathan        | Professor                 | B         |
| 4    | Mr. V Bala Chinnalingam | Assistant Professor       | Biber     |

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Date: 01-12-2020

#### CIRCULAR

All the III/IV B.Tech I Semester Students are here by informed that Department of Mechanical. Engineering is conducting an Add-on Certificate Program titled "Skill-set for Modern Mechanical Engineering Design." The resource persons are Dr. P KishoreKumar, Associate Professor, Department of Mechanical Engineering, SRKIT and Mr. V Bala Chinnalingam, Assistant Professor, Department of Mechanical Engineering, SRKIT. The program will commence on 14/12/2020 and will conclude on 19/12/2020. The details of the program are displayed in the notice board. Interested students can meet Mr. P Tarun Naga Venkatesh, Assistant Professor, Department of Mechanical Engineering, and enroll their names on or before 11/12/2020

Venue: Dassault Systems Lab

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## SYLLABUS

Name of the Program: Skill-set for Modern Mechanical Engineering Design

| SESSION  | TOPICS OF STUDY   | DURATION   |  |
|--|---|------------|--|
| Session - 1  | Introduction, Who are design engineers, Design engineering in product development.  | 3hrs       |  |
| (Introduction) Session - II (Scenarios to Understand Design                | Scenario - 1: Design of a Mobile holder - Research, Concept Development, Detail Design. Scenario - 2: Design of electric Go-Kart - Research, Concept Development, Detail Design.  | 3hrs       |  |
| Engineering) Session - III (Scenarios to Understand Design                 | Scenario - 3: Design of Suspension System - Research,<br>Concept Development, Detail Design.<br>Summary of Design Engineering, Engineering Design   | 3hrs       |  |
| Engineering) Session - IV (Scenarios to Understand Design                  | Converting requirements to specification of product,<br>types of design problems, types of mechanical systems,<br>teams in mechanical product development.  | 3hrs       |  |
| Engineering)  Session - V  (Roles and Responsibilities of Design Engineer) | Industrial design vs Design Engineering, Roles and<br>Responsibilities, Material and Process Selection, Design<br>life cycle of a part, Engineering release, Cost of Bad<br>Design  |            |  |
| Session - VI<br>(Design Skills)  | Core Knowledge Overview, Skills, Knowledge and<br>Attitude - Overview, Core design engineering skills -<br>Part 1, Part 2 and part 3, Research and Learning skills,<br>Concept development Skills, Prototyping and Testing  |            |  |
| Session - VII<br>(Design Knowledge)  | Product Knowledge Importance, Attention to Detail,<br>Importance of Practical Know-how, Empathy in Design   | The second |  |
| Session - VIII<br>(Engineering<br>Analysis)                                | Intro Engineering Analysis, Typical Methods of Engineering Methods, Types of Engineering Analysis Need for Computation in Engineering Analysis, Need for Computation and Engineering Analysis. | i          |  |
| Session - 1X<br>(Implementation of<br>FEA)                                 | Finite Element Analysis - The idea, Discretization in FEA, FEA steps and summary, Computational Flui Dynamics - Overview, Multibody Dynamics Analysis Computer Aided Engineering, Example of Chassis Decign and Analysis Analysis and testing   | s,<br>is   |  |
| Session - X<br>(Design<br>Considerations)                                  | Design for X, DFMA, Failure mode effect and Analysis  | s 3hrs     |  |



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| SESSION   | TOPICS OF STUDY  | DURATION |
|---|--|----------|
| Session - XI<br>(Engineering Drawing<br>and GD&T) | Engineering Drawing, Major Stakeholders - Engineering Drawing, What is GD&T, Why GD&T. | 3hrs     |
| Session - XII<br>(Interaction)                    | Interaction with Resource Persons  | 3hrs     |

| S.No. | Name of the Resource Person | Designation         | Signature |
|-------|-----------------------------|---------------------|-----------|
| 1     | Dr. P. KishoreKumar         | Associate Professor | Pasul-    |
| 2     | Mr. V. Bala Chinalingam     | Assistant Professor | WW =      |

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#### PROGRAM SCHEDULE

Name of the Program: Skill-set for Modern Mechanical Engineering Design

| S. No.  | Schedule                    | Time                 |  |  |
|---------|-----------------------------|----------------------|--|--|
| 57      | 14/12/2020                  |                      |  |  |
| 1       | Inauguration of the program | 9:30AM to 10:30AM    |  |  |
| 2       | Session - 1                 | 10:30AM to 12:30PM   |  |  |
| 3       | Session - II                | 01:30PM to 04:30PM   |  |  |
| NAME OF | 15/12/2020                  |                      |  |  |
| 4       | Session - III               | 9:30AM to 12:30PM    |  |  |
| 5       | Session - IV                | 01:30PM to 04:30PM   |  |  |
| SPA     | 16/12/2020                  |                      |  |  |
| 6       | Session - V                 | 9:30AM to 12:30PM    |  |  |
| 7       | Session - VI                | 01:30PM to 04:30PM   |  |  |
|         | 17/12/2020                  |                      |  |  |
| .8      | Session - VII               | 9:30AM to 12:30PM    |  |  |
| 9       | Session - VIII              | 01:30PM to 04:30PM   |  |  |
|         | 18/12/2020                  |                      |  |  |
| 10      | Session - IX                | 9:30AM to 12:30PM    |  |  |
| 11      | Session - X                 | 01:30PM to 04:30PM   |  |  |
|         | 19/12/2020                  | Autobally Parket all |  |  |
| 12      | Session - XI                | 9:30AM to 12:30PM    |  |  |
| 13      | Session - XII               | 01:30PM to 04:30PM   |  |  |

Lunch Time: 12:30PM to 1:30PM

| S.No. | Name of the Resource Person | Designation         | Signature |
|-------|-----------------------------|---------------------|-----------|
| 1     | Dr. P. KishoreKumar         | Associate Professor | PO-SUR    |
| 2     | Mr. V. Bala Chinalingam     | Assistant Professor | 0. h.     |

Program Coordinator



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DEPARTMENT OF MECHANICAL ENGINEERING

#### LIST OF STUDENTS ENROLLED

Academic Year: 2020-21

Commencement Date:14-12-2020

Program Title: "Skill-set for Modern Mechanical Engineering Design"

| S.No. | Roll Number | Student Name                           | Signature          |
|-------|-------------|--|--------------------|
| 1     | 18X41A0301  | Arepalli Dinesh Kumar                  | A. Dheshkumay      |
| 2     | 18X41A0302  | Bejawada Divya                         | B. Divy-           |
| 3     | 18X41A0303  | Bravara Dinesh Kumar                   | B. Dineduna        |
| 4     | 18X41A0304  | Chalamalasetti Yaswanth Sai<br>Krishna | Chy So luntures    |
| 5     | 18X41A0306  | Gundarapu Sai Ram                      | a River            |
| 6     | 18X41A0311  | Lingineni Naga Sai                     | Twodeler           |
| 7     | 18X41A0313  | Mandapati Swaroop Kumar                | 1-84               |
| 8     | 18X41A0320  | Ravi Koti Teja B G                     | 6 Pei              |
| 9     | 18X41A0325  | Tanguturi Sandeep                      | Tanseer            |
| 10    | 19X45A0301  | Alibilli Naveen                        | A Noveen           |
| 11    | 19X45A0302  | Aravapalli Vinay Kumar                 | A-Vingykunex.      |
| 12    | 19X45A0311  | Chittajallu Venkata Kranthi<br>Kumar   | diskt              |
| 13    | 19X45A0313  | Darsinala Yazna Seshu Pavan<br>Kumar   | D. Y. C. Pavon Jum |
| 14    | 19X45A0315  | Dummanaboyina Kishore                  | 0 22               |
| 15    | 19X45A0316  | Gadde Ravi                             | GROVE              |
| 16    | 19X45A0317  | Ganithi Manoj Kumar                    | G.M.               |
| 17    | 19X45A0322  | Indala Brahmaiah                       | I. Brokmarch       |

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| S.No. Roll Number |            | Student Name                      | Signature            |
|-------------------|------------|-----------------------------------|----------------------|
| 18                | 19X45A0323 | Isukapalli Prudhvi Raju           | 2. produi rago.      |
| 19                | 19X45A0326 | Kinjarapu Hari                    | K-Hosis              |
| 20                | 19X45A0327 | Kolla Rahul                       | X. Redul!            |
| 21                | 19X45A0328 | Kukalakuntia Lavakumar            | K. Low Jul           |
| 22                | 19X45A0330 | Kuruva Mahesh                     | V. meles             |
| 23                | 19X45A0331 | Makarla Abhiram                   | 4.Ablin              |
| 24                | 19X45A0332 | Mandava Bhaskara Rao              | M. Bhalken           |
| 25                | 19X45A0337 | Nadendla Venkatesh                | N. Ve meates!        |
| 26                | 19X45A0339 | Neelathi Jagadeesh Raju           | N. Zogodesh Roju     |
| 27                | 19X45A0340 | Nersu Sobhan Babu                 | N. Johan Bali        |
| 28                | 19X45A0344 | Sangani Srinivasulureddy          | S. Srinivasulu vedly |
| 29                | 19X45A0347 | Shaik Mohammadgouse               | Sk. McGorse.         |
| 30                | 19X45A0349 | Shaik Shabaz                      | That Shaloy          |
| 31                | 19X45A0351 | Syed Imamsha                      | St. Duampha.         |
| 32                | 19X45A0354 | Thumu Yaswanth                    | THE                  |
| 33                | 19X45A0357 | Vempati Vamsi                     | V. Qansi             |
| 34                | 19X45A0359 | Vundrajavarapu Arjun<br>Premanand | V.A.                 |
| 35                | 19X45A0360 | Vuyyuru Raghunadh Babu            | V. Kaghu Ned 1       |

Program Coordinator



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#### DAY-WISE ATTENDANCE REPORT

Academic Year: 2020-21

Commencement Date:14-12-2020

Program Duration: 14/12/2020 to 19/12/2020

"rogram Title: "Skill-set for Modern Mechanical Engineering Design"

| 3.NO | ROLL NO    | 14/12     | /2020     | 15/12/2020 |           | 16/12/2020 |          |
|------|------------|-----------|-----------|------------|-----------|------------|----------|
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| 3    | 18X41A0303 | 80        | B-Qua-    | B. Dane    | R.Q.on    | B. A.sta   | B. D     |
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#### DAY-WISE ATTENDANCE REPORT

Academic Year: 2020 – 21 Program Commencement Date: 14-12-2020

"rogram Duration: 14/12/2020 to 19/12/2020

Program Title: "Skill-set for Modern Mechanical Engineering Design"

| .NO | ROLL NO    | 17/12      | /2020     | 18/12/2020 |                                       | 19/12/2020 |           |
|-----|------------|------------|-----------|------------|---------------------------------------|------------|-----------|
|     | KOLL NO    | FN         | AN        | FN         | AN                                    | FN         | AN        |
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| 2   | 18X41A0302 | B.D.vy-    | B.D.vy+   | B.Diry-    | B.Dy-                                 | B.D.T      | B- D T    |
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| 8   | 18X41A0320 | Par        | Day       | Cari       | Pari                                  | QC.        | (P.Gr.    |
| 9   | 18X41A0325 | T.Santeo   | T. Sarvag | Tale       | T-Sarvage                             | TSONLY     | T-Sarder  |
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| 21  | 19X45A0328 | Merkey     | Kor. S.   | Kital      | Kolos Pu                              | Molen Lie  | Post      |
| 50  | 19X45A0330 | Lucky.     | E-rest    | L. mah     | E malet                               | 6- walsto  |           |
| -1  | 19X45A0331 | Halala     | MILL      | 4.41       | MALL                                  | MAIT.      | nati      |
| 1   | 19X45A0332 | H. 52/ 11  | A-rd s    | MIRLY      | M1/2/11                               | m DI d     | 4.50 01   |
| 4   | 19X45A0337 | NVANON     | NO OTO    | 61.5       | OLV                                   | N.O        | SID       |
| 26  | 19X45A0339 | J-perfort  | No Tourel | J. rondol  | trooks                                | w.paresh   | a breaker |
| 35  | 19X45A0340 | w. Solban  | a statem  | Malon      | of Sedfary                            | J. Solan   | D'aglan   |



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| 5 | 19X45A0360<br>ordinator Sign | V. Kyle  | -V. Pol-     | V. Kort  | V. Rade | V. Ragh   | V. Ragli |
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Date: 22-12-2020

#### Program Report

Name of the Event: An Add-on Certificate program on "Skill-set for modern Mechanical

Engineering Design."

Program Commenced on: 14-12-2020

**Duration: 36 Hours** 

Program concluded on: 19-12-2020

#### Resource Persons:

Dr. P Kishorekumar, Associate Professor, Department of Mechanical Engineering, SRKIT.
 Email: dr.kishoremech@gmail.com Mobile: 9500154433

 Mr. V Bala Chinnalingam, Assistant Professor, Department of Mechanical Engineering, SRKIT, Email: <a href="mailto:yb14606@gmail.com">yb14606@gmail.com</a> Mobile: 9494714606

Name of Coordinator: Mr. P Tarun Naga Venkatesh, Assistant Professor, Department of Mechanical Engineering, SRKIT.

Number of students certified/enrolled: 35/35

#### Objective of the Program:

- The goal of this course is to provide students with a comprehensive understanding of the field of design engineering.
- The course includes case studies for design engineering students to learn more about what design engineers do in the workplace.
- 3. This course assists students in designing and developing their own products.

#### Topics Covered:

| SESSION        | TOPICS OF STUDY  | DURATION |  |  |
|----------------|--|----------|--|--|
| Session - I    | Introduction, Who are design engineers, Design engineering | 3hrs     |  |  |
| (Introduction) | in product development.                                    |          |  |  |

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| SESSION   | TOPICS OF STUDY   | DURATION |  |  |
|---|---|----------|--|--|
| Session - II (Scenarios to Understand Design Engineering)   | Scenario - 1: Design of a Mobile holder - Research, Concept<br>Development, Detail Design.<br>Scenario - 2: Design of electric Go-Kart - Research, Concept<br>Development, Detail Design.           | 3hrs     |  |  |
| Session - III<br>(Scenarios to<br>Understand<br>Design<br>Engineering)  | Scenario - 3: Design of Suspension System - Research,<br>Concept Development, Detail Design.<br>Summary of Design Engineering, Engineering Design<br>Process  | 3hrs     |  |  |
| Session - IV<br>(Scenarios to<br>Understand<br>Design<br>Engineering)   | Session - IV  (Scenarios to Understand Design  Converting requirements to specification of product, types of design problems, types of mechanical systems, teams in mechanical product development. |          |  |  |
| Session - V  (Roles and Responsibilities of Design Engineer)  Industrial design vs Design Engineering, Roles and Responsibilities, Material and Process Selection, Design life cycle of a part, Engineering release, Cost of Bad Design Engineer)       |   | 3hrs     |  |  |
| Session - VI  (Design Skills)  Core Knowledge Overview, Skills, Knowledge and Attitude - Overview, Core design engineering skills - Part 1, Part 2 and part 3, Research and Learning skills, Concept development Skills, Prototyping and Testing skills |   | 3hrs     |  |  |
| Session - VII<br>(Design<br>Knowledge)  | Product Knowledge Importance, Attention to Detail,<br>Importance of Practical Know-how, Empathy in Design,<br>Open mindset and Critical Thinking  | 3hrs     |  |  |
| Session - VIII  | Intro Engineering Analysis, Typical Methods of Engineering<br>Methods, Types of Engineering Analysis, Need for  | 3hrs     |  |  |



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DEPARTMENT OF MECHANICAL ENGINEERING

| SESSION  | TOPICS OF STUDY   | DURATION |  |
|--|---|----------|--|
| (Engineering<br>Analysis)  | Computation in Engineering Analysis, Need for<br>Computation - Fluid Mechanics Example, |          |  |
| Session - IX<br>(Implementation<br>of FEA)   | 3hrs  |          |  |
| Session - X Design for X, DFMA, Failure mode effect and Analysis  (Design Considerations)  |   | 3hrs     |  |
| Session - XI  (Engineering Drawing, Major Stakeholders - Engineering Drawing, What is GD&T, Why GD&T.  (Engineering Drawing, Major Stakeholders - Engineering Drawing, What is GD&T, Why GD&T. |   | 3hrs     |  |
| Session - XII  | Interaction with Resource Persons   | 3hrs     |  |

#### Ontcome of Event:

- 1. With the help of scenarios, students can learn about the profession of design engineering.
- The students grasped the fundamental skills and knowledge that a design engineer must possess.
- The importance of engineering analysis as well as the various types of engineering analysis was taught to the students.
- 4. Students will be able to comprehend the concerns of design engineers.

Program Coordinator

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ENIKEPADU, VIJAYAWADA



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# Participation certificate

| This is to certify that Mr./Ms   | AREPALLI DINESH KUMA               | R          |
|----------------------------------|------------------------------------|------------|
| of Mechanical Engineer           | ing, SRK Institute of Technology   | has        |
| Participated in "Skill-set for M | Modern Mechanical Engineering Des  | sign" held |
| from 14-12-2020 to 19-12-202     | o conducted by the Department of N | nechanical |
| Engineering, SRKIT-Vijayawaa     | da.                                |            |

Resource Person

Dr. P Kishore Kumar, Associate Professor Dept of ME, SRKIT Resource Person

Mr. V Bala Chinnalingam, Assistant Professor Dept of ME, SRKIT HoD

Mr. A Stanly Kumar, Assistant Professor, Dept of ME, SRKIT Principal

Dr. M Ekambaram Naidu Professor, Dept of CSE, SRKIT

SAK INSTITUTE OF TECHNOLOG

ENIKEPADU, VIJAYAWADA



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# Participation certificate

| This is to certify that Mr./Ms.    | CH. YASWANTH SAI KRISHNA                 |
|------------------------------------|--|
| of Mechanical Engineering          | , SRK Institute of Technology has        |
| Participated in "Skill-set for Moo | lern Mechanical Engineering Design* held |
| from 14-12-2020 to 19-12-2020 c    | onducted by the Department of Mechanical |
| Engineering, SRKIT-Vijayawada.     |  |

Resource Person

Dr. P Kishore Kumar, Associate Professor Dept of ME, SRKIT Resource Person

Mr. V Bala Chinnalingam, Assistant Professor Dept of ME, SRKIT H<sub>6</sub>D

Mr. A Stanly Kumar, Assistant Professor, Dept of ME, SRKIT Principal

Dr. M Ekambaram Naidu Professor, Dept of CSE, SRKIT

SRK INSTITUTE OF TECHNOLOGY



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# Participation certificate

| This is to certify that Mr./Ms. G. SAI RAM                     |              |
|--|--------------|
| of Mechanical Engineering, SRK Institute of Technology         | has          |
| Participated in "Skill-set for Modern Mechanical Engineering I | Design* held |
| from 14-12-2020 to 19-12-2020 conducted by the Department of   | f Mechanical |
| Engineering, SRKIT-Vijayawada.                                 |              |

Resource Person

Dr. P Kishore Kumar, Associate Professor Dept of ME, SRKIT Resource Person

Mr. V Bala Chinnalingam, Assistant Professor Dept of ME, SRKIT HeD

Mr. A Stanly Kumar, Assistant Professor, Dept of ME, SRKIT Principal

Dr. M Ekambaram Naidu Professor, Dept of CSE, SRKIT

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# Participation certificate

| This is to certify that Mr./Ms.    | LINGINENI NAGA SAI             |              |
|------------------------------------|--------------------------------|--------------|
| of Mechanical Engineering          | , SRK Institute of Technology  | has          |
| Participated in "Skill-set for Moo | dern Mechanical Engineering I  | Design* held |
| from 14-12-2020 to 19-12-2020 o    | conducted by the Department of | f Mechanical |
| Engineering, SRKIT-Vijayawada.     |                                |              |

Resource Person

Dr. P Kishore Kumar, Associate Professor Dept of ME, SRKIT Resource Person

Mr. V Bala Chinnalingam, Assistant Professor Dept of ME, SRKIT HoD

Mr. A Stanly Kumar, Assistant Professor, Dept of ME, SRKIT Principal

Dr. M Ekambaram Naidu Professor, Dept of CSE, SRKIT

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Date: 30-11-2020

## CIRCULAR

The following Faculty members are informed to attend the meeting at Civil Engineering Department office on 2-12-2020 at 2:00 PM to discuss and frame curriculum and Day wise schedule for the Addon certificate program on "Learn to Read Construction and Structural Drawing like Expert"

|       |  |                     | Signature |
|-------|--|---------------------|-----------|
| S.No  | Faculty Name   | Designation         |           |
| 3.110 |  | Professor & HOD     | lu-       |
| 1     | Dr.T.Satyanarayana   | Assistant Professor | 1 21      |
| 2     | Mrs.E.Usha Sree  |                     | * * *     |
| •     | The state of the s | Assistant Professor | de-       |
| 3     | Dr. V.Karthik  |                     | yre.      |
| 4     | Mr.J.Purnachandra  | Assistant Professor |           |

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#### SYLLABUS

Name of the Program: Learn to Read Construction and Structural Drawing like Expert

| SESSION   | TOPICS OF STUDY  | DURATION |  |  |
|---|--|----------|--|--|
| Session - I Understanding To Read Footing Layout drawing Of G+3 Building      |  | 3hrs     |  |  |
| Session - II  | Learn to Read Footing Schedule and Reinforcement Drawing of G+3 Building                 | 3hrs     |  |  |
| Session - III   | Learn To Read Column Layout & Column<br>Schedule Drawings of G+3 Building                | 3hrs     |  |  |
| Session - IV  | Learn to Read Column Reinforcement & Column<br>Lateral Ties & SP-34 Detailing            | 3hrs     |  |  |
| Session - V   | Plinth Beam Layout , How to Frame Plinth Beam layout & Understand Reinforcement          | 3hrs     |  |  |
| Session - VI  | Learn to Read 1st Floor Beam Reinforcements of a<br>G+3 Residential Building             | 3hrs     |  |  |
| Session - VII   | Theory of 2 way Slab & Its Importance & How it is<br>Provided Practically at Site        | 3hrs     |  |  |
| Session -<br>VIII   | ession - Second Floor Shuttering Layout & Minor Changes                                  |          |  |  |
| Session - IX  | on - IX Second Floor Beam Details & Theory Behind Extra<br>Bar at Support ( MUST WATCH ) |          |  |  |
| Session - X   | Second Floor Slab Details & Theory Behind<br>Simply Supported & fixed Support Slab       | 3hrs     |  |  |
| Session - XI  | Check Bending Moment of Beam & understand it with Structural drawings                    | 3hrs     |  |  |
| Session - XII Column Detailing Manually & with Excel Sheet from Etabs Results |  | 3hrs     |  |  |

Resource Person

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Date: 05-12-2020

#### CIRCULAR

All the II/IV B.Tech I Semester Students are here by informed that Department of Civil Engineering is conducting an Add-on Certificate Program titled "Learn to Read Construction and Structural Drawing like Expert." The resource persons are Dr.V.Karthik, Assistant Professor, Department of Civil Engineering, SRKIT and Mrs.E.UshaSree, Assistant Professor, Department of Civil Engineering, SRKIT. The program will commence on 14/12/2020 and will conclude on 19/12/2020. The details of the program are displayed in the notice board. Interested students can meet Mr. M .Karthik kumar, Assistant Professor, Department of Civil Engineering, and enroll their names on or before 10/12/2020

Venue: Room no:A-105

Principal PRINCIPAL

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#### PROGRAM SCHEDULE

Name of the Program: Learn to Read Construction and Structural Drawing like Expert

| S. No.         | Schedule                    | Time   |  |
|----------------|-----------------------------|--|--|
|                | 14/12/2020                  | COMPANY OF THE PARTY OF THE PAR |  |
| 1              | Inauguration of the program | 9:30AM to 10:30AM  |  |
| 2              | Session - I                 | 10:30AM to 12:30PM   |  |
| 3              | Session - II                | 01:30PM to 04:30PM   |  |
|                | 15/12/2020                  |  |  |
| 4              | Session - III               | 9:30AM to 12:30PM  |  |
| 5              | Session - IV                | 01:30PM to 04:30PM   |  |
| No. 2 and a    | 16/12/2020                  |  |  |
| 6              | Session - V                 | 9:30AM to 12:30PM  |  |
| 7              | Session - VI                | 01:30PM to 04:30PM   |  |
|                | 17/12/2020                  |  |  |
| 8              | Session - VII               | 9:30AM to 12:30PM  |  |
| 9              | Session - VIII              | 01:30PM to 04:30PM   |  |
|                | 18/12/2020                  |  |  |
| 10             | Session - IX                | 9:30AM to 12:30PM  |  |
| 11 Session - X |                             | 01:30PM to 04:30PM   |  |
|                | 19/12/2020                  |  |  |
| 12             | Session - XI                | 9:30AM to 12:30PM  |  |
| 13             | Session - XII               | 01:30PM to 04:30PM   |  |

Lunch Time: 12:30PM to 1:30PM

Resource Person

1) 1

2) At

Program Coordinator

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DEPARTMENT OF CIVIL ENGINEERING

### LIST OF STUDENTS ENROLLED

Academic Year: 2020-21

Commencement Date:14-12-2020

Program Title: "Learn to Read Construction and Structural Drawing like Expert"

| S.No. | Roll Number | Student Name             | Signature      |
|-------|-------------|--------------------------|----------------|
| 1     | 19X41A0102  | SEERAM SUBHASHINI        | S. Subhastini  |
| 2     | 19X41A0103  | VALLABHAPURAM<br>PRADEEP | W. Product.    |
| 3     | 20X45A0101  | KANCHARLA HARIKA         | k-Hasikan      |
| 4     | 20X45A0102  | SAMINENI KAVYA           | S. Kaus        |
| 5     | 20X45A0103  | VAVILAPALLI DHARMARAO    | V. Thanmelas   |
| 6     | 20X45A0104  | VISWANADHUNI PRASAD      | v. Presid      |
| 7     | 20X45A0105  | NARINA PAVAN KUMAR       | N. Payan Kumon |
| 8     | 20X45A0106  | ABDUL SAMEERUDDIN        | Ab Sanceruddir |
| 9     | 20X45A0107  | MOHAMMAD SALEHA          | M.D. Showteh   |
| 10    | 20X45A0108  | BODIPOGU RAJ KUMAR       | B. Pay Kennery |
| 11    | 20X45A0109  | RAVURI SUDEEPA           | R. Sideepa.    |
| 12    | 20X45A0110  | CHANDU VENKATA VENU      | Ch Venn        |
| 13    | 20X45A0111  | DASARI NASARAIAH         | as of          |
| 14    | 20X45A0112  | PULAPA ASWINI            | P. Acoin?      |
| 15    | 20X45A0113  | SHAIK JILANI             | SK-Jilani      |
| 16    | 20X45A0114  | MADIRI SURESH BABU       | M. Linch Boly. |
| 17    | 20X45A0115  | BADIPATI RAVI TEJA       | R. Q           |

Program Coordinator

HOD - CE

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## DAY-WISE ATTENDANCE REPORT

Academic Year: 2020-21

Commencement Date: 14-12-2020

Program Duration: 14/12/2020 to 19/12/2020

Program Title: "Learn to Read Construction and Structural Drawing like Expert"

|      |                | 14/12/2020 |            | 15/12/2020 |            | 16/12/2020 |           |
|------|----------------|------------|------------|------------|------------|------------|-----------|
| S.NO | ROLL NO        | FN         | AN         | FN         | AN         | FN         | AN        |
| 1    | 19X41A0102     | Souldashin | s sollatel | subbang    | ssubhadir! | soldodep   | ssubhasha |
| 2    | 19X41A0103     | 1 Profe    | out make   | Budge      | Modul      | A. Bogod   | 4. Poder  |
| 3    | 20X45A0101     | le theib   | Elleih     | 1. Hoch    | Ettaria    | I. Harik   | E Hosip   |
| 4    | 20X45A0102     | 1.         | s. Kaup    | Stour      | S Kour     | S- Kour    | s.tau     |
| 5    | 20X45A0103     | 1) Dhom    | U.Dhow     | u. Dha     | v. Ohon    | Voleni     | V. Dhow   |
| 6    | 20X45A0104     | V-Propol   | V. Prace   | v-Prasa    | V. Prosed  | v. Prosed  | V. Proded |
| 7    | 20X45A0105     | 1.600      | N. Brea    | N. Pavor   | N. Bucan   | N. Pasa    | M. Para   |
| 8    | 20X45A0106     | 1 Semble   | All Il     | Allalla    | Albert     | Abbull     | AHW       |
| 9    | 20X45A0107     | Mo-de      | طملكوم م   | MASaleha   | NO-Salata  | MO. Salaha | MD-Sale   |
| 10   | 20X45A0108     | Bostons    | 18 84 m    | B.Aga      | 8 Rypus    | Brother    | 18. Payla |
| 11   | 20X45A0109     | Readerso   |            |            | RSudama    | Redemo     | RSudeep   |
| 12   | 20X45A0110     | chivem     | chivenu    | ch.vem     | 1 .        | ch. Vonu   | ch-Vanu   |
| 13   | 20X45A0111     | - Wales    | SAN        | Sapu       | (abu)      | *Pul       | - atu     |
| 14   | 20X45A0112     | P. Asedo?  | P. Ascano  | P.Ascon    | P. Asusa   | P.Asian    | PAscon    |
| 15   | 20X45A0113     |            | y drish    |            | 4-20       | Sk.7%      | sk-sil    |
| 16   | 20X45A0114     | O.Gestar   | A to Grade | Holisha    | Rooles     | Want Dd    | toppeda)  |
| 17   | 20X45A0115     | BP         | BP         | BPour      |            | Bon        |           |
| Co   | ordinator Sign | Kont       | 14/12/10   | Hort       | whate      | Konto      | 6/12/20   |



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DEPARTMENT OF CIVIL ENGINEERING

### DAY-WISE ATTENDANCE REPORT

Academic Year: 2020 - 21 Program Commencement Date: 14-12-2020

Program Duration: 14/12/2020 to 19/12/2020

Program Title: "Learn to Read Construction and Structural Drawing like Expert"

| og gaze |                | 17/12/2020 |           | 18/12/2020 |            | 19/12/2020 |            |
|---------|----------------|------------|-----------|------------|------------|------------|------------|
| S.NO    | ROLL NO        | FN         | AN        | FN         | AN         | FN         | AN         |
| ı       | 19X41A0102     | ssitteetho | ssuttedin | 5.50 block | 5 Gullothi | 5. Subhar  | g. S. Hold |
| 2       | 19X41A0103     | Wroder     |           |            | V. Dadup   | Ridge      | -Rod       |
| 3       | 20X45A0101     | 1. Abril   | Libria    | T. Auch    | bethrik    | k Hosi h   | Marib      |
| 4       | 20X45A0102     | Skawa      | Stanc     | Sitan      | Stange     | Stay       | 3.tem      |
| 5       | 20X45A0103     | 1. Dum     | J. Dra    | J. Droge   | Don        | J. Done    | Spran      |
| 6       | 20X45A0104     | V. Rasad   | v-Based   | v.Paral    | v-Proped   | V. Rosed   | V. Pros    |
| 7       | 20X45A0105     | rt. Parson |           | N. Paron   |            | M. Patou   | xt. Bra    |
| 8       | 20X45A0106     | About      | As Bull   | Alkud      |            | Aus JA     | Abus       |
| 9       | 20X45A0107     | M.D Graff  | north Bod | 2 O Calet  | 'N Speck   | hal Colera | 200 Sopp   |
| 10      | 20X45A0108     |            | BAGA      | Bryken     | B. Ryb     | 8 Bytom    | B. Aykin   |
| 11      | 20X45A0109     | RSweepo    | 1         | RSuden     | Rsudegra   | Rsudaga    | RSween     |
| 12      | 20X45A0110     | chivener   |           |            | ch Vom     | ch Vom     | ch von     |
| 13      | 20X45A0111     | sper       | Du        | 300        | ENEM       | Salvy      | 500        |
| 14      | 20X45A0112     | P.Ascono   | PAGONO    | P. Pauso   | PASO ?     | P.Asod     | P.A. 20    |
| 15      | 20X45A0113     | SK.T.      | 1-4       | ないなる       |            | 3k-Hlui    |            |
| 16      | 20X45A0114     | 165-30     | 102 ON    | Toplake    | Mulo       | Buckel     | Mary B     |
| 17      | 20X45A0115     | Bir        | BP        | B.P~       | Book       | Booy       | B Pari     |
| Co      | ordinator Sign | Kith       | مداريا    | Kent       | il stule   | Kok        | 19/11/20   |

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DEPARTMENT OF CIVIL ENGINEERING

Date: 23-12-2020

#### Program Report

Name of the Event: An Add-on Certificate program on "Learn to Read Construction and

Structural Drawing like Expert."

Program Commenced on: 14-12-2020

**Duration: 36 Hours** 

Program concluded on: 19-12-2020

#### Resource Persons:

 Dr.V.Karthik kumar, Assistant Professor, Department of Civil Engineering, SRKIT. Email: Mobile:

 Mrs.E.UshaSree, Assistant Professor, Department of Civil Engineering, SRKIT. Email: Mobile:

Name of Coordinator: Mr. M.Karthik kumar, Assistant Professor, Department of Civil Engineering, SRKIT.

Number of students certified/enrolled: 18/18

#### Objective of the Program:

 Learn to Read Architectural & Structural Drawings of House Plans, Residential Buildings ( G+3 to G+10 Buildings), Industrial Building

2. Learn to read the plumbing drawings, Sewage drawings & Storm water drawings

Understand The Theory Behind All The Structural Drawings & Code booksTopics Covered:

|           | SESSION      | TOPICS OF STUDY  | DURATION |
|-----------|--------------|--|----------|
|           | Session - I  | Understanding To Read Footing Layout drawing Of G+3 Building | 3hrs     |
| No. towns | Session - II | Learn to Read Footing Schodule and Reinforcement             | 3hrs     |

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| SESSION        | TOPICS OF STUDY  | DURATION |  |
|----------------|--|----------|--|
| Section of     | Drawing of G+3 Building  |          |  |
| Session - III  | Learn To Read Column Layout & Column Schedule Drawings of G+3 Building             | 3hrs     |  |
| Session - IV   | Learn to Read Column Reinforcement & Column Lateral Ties & SP-34 Detailing         | 3hrs     |  |
| Session - V    | Plinth Beam Layout , How to Frame Plinth Beam layout & Understand Reinforcement    | 3hrs     |  |
| Session - VI   | Learn to Read 1st Floor Beam Reinforcements of a G+3 Residential Building          | 3hrs     |  |
| Session - VII  | Theory of 2 way Slab & Its Importance & How it is<br>Provided Practically at Site  | 3hrs     |  |
| Session - VIII | Second Floor Shuttering Layout & Minor Changes With<br>Respect to 1st Floor Layout | 3hrs     |  |
| Session - IX   | Second Floor Beam Details & Theory Behind Extra Bar at<br>Support ( MUST WATCH )   | 3hrs     |  |
| Session - X    | Second Floor Slab Details & Theory Behind Simply<br>Supported & fixed Support Slab | 3hrs     |  |
| Session - XI   | Check Bending Moment of Beam & understand it with<br>Structural drawings           | 3hrs     |  |
| Session - XII  | Column Detailing Manually & with Excel Sheet from Etabs<br>Results                 | 3hrs     |  |

Page 2 of 3



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#### Outcome of Event:

- 1. Interested to learn Architectural & Structural drawings with clear understanding Students
- 2. Quantity surveyors, Project Management consultants, Planning Engineers
- 3. Structural Engineers those who are looking for Entry Level Jobs in Design Companies
- 4. Civil Engineers Looking to Change Career in Structural Firm

Program Coordinator

HOD



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# Participation certificate

| I his is to certify that Mr./Ms SEERAM SUBHASHINI       |                          |
|---|--------------------------|
| of SRK Institute of Technology, Enikepadu               | has                      |
| Participated in "Learn to Read Construction and Structu | ral Drawing like Expert" |
| held from 14-12-2020 to 19-12-2020 conducted by the     |                          |
| Engineering, SRKIT-Vijayawada.                          |                          |

Resource Person

Dr. V.Karthik, Assistant Professor Dept of CE, SRKIT Resource Person

Mrs.E.UshaSree , Assistant Professor Dept of CE, SRKIT HoD-

Dr.T.Satyanaryana, Professor, Dept of CE, SRKIT Principal

Dr. M Ekambaram Naidu Professor, Dept of CSE, SRKIT

PRINCIPAL

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# Participation certificate

| This is to certify that Mr./Ms. KANCHARLA HARIKA        |                           |
|---|---------------------------|
| of SRK Institute of Technology, Enikepadu               | has                       |
| Participated in "Learn to Read Construction and Structu | iral Drawing like Expert" |
| held from 14-12-2020 to 19-12-2020 conducted by the     | Department of CIVIL       |
| Engineering, SRKIT-Vijayawada.                          |                           |

Resource Person

Dr. V.Karthik, Assistant Professor Dept of CE, SRKIT Resource Person

Mrs.E.UshaSree , Assistant Professor Dept of CE, SRKIT HoD

Dr.T.Satyanaryana, Professor, Dept of CE, SRKIT Principal

Dr. M Ekambaram Naidu Professor,

Dept of CSE, SRKIT

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# Participation certificate

| This is to certify that Mr./Ms. PULAPA ASWINI              |                      |
|--|----------------------|
| of SRK Institute of Technology, Enikepadu                  | has                  |
| Participated in "Learn to Read Construction and Structural | Drawing like Expert" |
| held from 14-12-2020 to 19-12-2020 conducted by the De     | partment of CIVIL    |
| Engineering, SRKIT-Vijayawada.                             |                      |

Resource Person

Dr. V.Karthik, Assistant Professor Dept of CE, SRKIT Resource Person

Mrs.E.UshaSree , Assistant Professor Dept of CE, SRXIT HoD-

Dr.T.Satyanaryana, Professor, Dept of CE, SRKIT Principal

Dr. M Ekambaram Naidu Professor, Dept of CSE, SRKIT

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# Participation certificate

| Thi | s is to certify that Mr./Ms. ABDUL SAMEERUDDII  | N           |                    |
|-----|---|-------------|--------------------|
| of_ | SRK Institute of Technology, Enikepadu          |             | has                |
| Par | ticipated in "Learn to Read Construction and St | ructural Dr | awing like Expert" |
|     | d from 14-12-2020 to 19-12-2020 conducted by    |             |                    |
| Eng | gineering , SRKIT-Vijayawada.                   |             |                    |

Resource Person

Dr. V.Karthik, Assistant Professor Dept of CE, SRXIT

Resource Person

Mrs.E.UshaSree, Assistant Professor Dept of CE, SRKIT

Dr.T.Satyanaryana, Professor, Dept of CE, SRKIT

Principal

Dr. M Ekambaram Naidu Professor.

Dept of CSP, SRKIT

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Date: 2-12-2020

#### CIRCULAR

The following faculty members are requested to attend the meeting in BLC1 to discuss and frame the syllabus for an add-on program "ANDROID APP DEVELOPMENT USING KOTLIN".

| Sno | Faculty Name          | Designation         | Signature |
|-----|-----------------------|---------------------|-----------|
| 1   | Dr.D.Haritha          | Professor, HOD      | Dite      |
| 2   | Dr.N.Neelima Priyanka | Associate Professor | GNA       |
| 3   | Dr. B.Asha Latha      | Associate Professor | B. Ohm    |
| 4   | Dr.A.Radhika          | Associate Professor | Ridhier   |
| 5   | Mr.M.V.Sumanth        | Assistant Professor | with.     |

PRINCIPAL 1100

SRK INSTITUTE OF TECHNOLOGY



Certificate of Participation

# Dr N Neelima Priyanka

Has participated in the Android Development with Kotlin Train-the-Trainer program from August 31 - September 5, 2020

Signing Authority

Google Developers

PRINCIPAL

ENIKEPADU. VIJAYAWADA



Enikepadu, Vijayawada 521108
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(ISO 9001:2015 Certified Institution)
Department of Computer Science and Engineering

4-12-2020

#### SYLLABUS

#### ANDROID APP DEVELOPMENT USING KOTLIN

- Getting Started with Android Apps Using Kotlin
  - Introduction to Kotlin
  - Functions
  - · Using Classes and Objects in Kotlin
- Exploring Android App structure
  - Activity, User Interface and Views
  - Designing Layout and Handle Events
  - Navigating between Activities
  - Share Data using Explicit and Implicit Intent
- Implementing Lists and Kotlin Classes
  - Introduction to RecyclerView and CardView
  - Adding RecyclerView and CardView
  - Creating Adapter Class
  - Link RecyclerView and Custom Adapter
- Leverage the power of Kotlin
  - Code Cleanup
  - Implementing Extension Function
  - Using Default Parameters
  - Using Companion Object and Object Declaration
- Finishing touches and styling our App
  - Updating App Launcher Icon
  - Styling App: Material Design Colors
  - Styling App: Applying Themes

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Date: 02-12-2020

#### CIRCULAR

This is to inform all the students that college academic committee proposed to plan for an add on program "ANDROID APP DEVELOPMENT USING KOTLIN" for IV/IV B.Tech students. It is decided to conduct this program for IV/IV B.Tech students from 14-12-2020 to 14-12-2020 with duration 6 days. The resource person is Dr.N.Neelima Priyanka, Associate Professor, Department of CSE, SRKIT. The syllabus and the schedule are displayed on the notice board. The program coordinator is Dr. A.Radhika, Associate Professor, Department of CSE, SRKIT.. The interested students are requested to register their names on or before 10-12-2020.

Circulated to: All HODs

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(ISO 9001:2015 Certified Institution)

Department of Computer Science and Engineering

Date: 8-12-2020

#### SCHEDULE

Android Apps Using Kotlin

| Day   | Topic   | Timing             |
|-------|---|--------------------|
| DAY 1 | Getting Started with Android Apps Using Kotlin  Introduction to Kotlin  Functions Using Classes and Objects in Kotlin   | 09.30AM to 04.30PM |
| DAY 2 | Exploring Android App structure   | 09.30AM to 04.30PM |
| DAY 3 | Implementing Lists and Kotlin Classes  Introduction to RecyclerView and CardView Adding RecyclerView and CardView Creating Adapter Class Link RecyclerView and Custom Adapter | 09.30AM to 04.30PM |
| DAY 4 | Leverage the power of Kotlin  Code Cleanup Implementing Extension Function Using Default Parameters Using Companion Object and Object Declaration                             | 09.30AM to 04.30PM |
| DAY 5 | Updating App Launcher Icon     Styling App: Material Design Colors     Styling App: Applying Themes   | 09.30AM to 04.30PM |
| DAY 6 | Test the App and Publish in play store  | 09.30AM to 04.30PM |
|       |   |                    |

Venue: BLC -4,2nd Floor

Radhica Program Coordinator

Copy to: Notice Board

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(ISO 9001:2015 Certified Institution)
Department of Computer Science and Engineering

#### List of Students

Academic Year: 2020-2021

Year/Sem: IV/I

Name of the Program: "Android App Development Using Kotlin"

| s.no | ROLL<br>NUMBER | NAME OF THE STUDENT         | SIGNATURE  |
|------|----------------|-----------------------------|--|
| 1    | 17X41A0561     | Aluri Bindu Priya           | A. Bindu priya   |
| 2    | 17X41A0562     | Annabathula Sai Lakshman    | A. Sai Lakshman  |
| 3    | 17X41A0563     | Battu Bhuvana               | B. Bhuvana   |
| 4    | 17X41A0564     | Boyalapalli Teja            | B:Teja   |
| 5    | 17X41A0565     | Boyina Jaswanth             | 2. Jaswanth  |
| 6    | 17X41A0566     | Burra Grace Gladys Nancy    | B-Noney  |
| 7    | 17X41A0567     | Annavarapu Chaitanya        | 1. chaitanya   |
| 8    | 17X41A0568     | Chanchali Mounika           | ch mounika.  |
| 9    | 17X41A0569     | Cherlopalli Anusha          | Ch. Anusha   |
| 10   | 17X41A0570     | Dondapati Satish Babu       | D. Satis   |
| 11   | 17X41A0571     | Duggi Akhila                | D. Akhila  |
| 12   | 17X41A0572     | Enduri Venkateswara Rao     | E: Venkat  |
| 13   | 17X41A0573     | Gadde Bhanu Prasad          | G. Blonupiasad   |
| 14   | 17X41A0574     | Gade Amani                  | GoAmani  |
| 15   | 17X41A0575     | Gajula Kinnera              | Oi kinnesia  |
| 16   | 17X41A0576     | Gandham Maniswar            | Gr. Manishum   |
| 17   | 17X41A0577     | Gavirneni Teja Chowdary     | Gr Tija Chowatry   |
| 18   | 17X41A0578     | Gonuguntla Bharadwaj        | C. Bhordusoi   |
| 19   | 17X41A0579     | Goriparthi Kiranmai         | G. Bharodwaj   |
| 20   | 17X41A0580     | Gottupalli V.V.S.Sai Akhila | G. Akhila  |
| 21   | 17X41A0581     | Guttikonda Manoj            | Gr. Mangj  |
| 22   | 17X41A0582     | Jampani Umakanth            | J- Umakanth  |
| 23   | 17X41A0584     | Kada Pooja Sri              | The state of the s |
| 24   | 17X41A0585     | Kalavakunta Ajay Kumar      | t. Agay bumas  |
| 25   | 17X41A0586     | Kandagaddala Lakshman       | K. Katelharan  |
| 26   | 17X41A0587     | Katakam Pavani              | k. Panhi   |
| 27   | 17X41A0588     | Kolla Jeevitha              | K. Jeevilla  |
| 28   | 17X41A0589     | Kondragunta Naga Sai Naveen | & Naveen   |
| 29   | 17X41A0590     | Konduru Chandra Harshita    | K.C. Horshita  |
| 30   | 17X41A0591     | Kota Babu Rao               | K. Balay Rao   |

Redluki Program Coordinator SHK INSTITUTE OF TECHNOLOGO ENIKEPADU. VIJAYAWADA



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(ISO 9001:2015 Certified Institution)
Department of Computer Science and Engineering

#### List of Students

Academic Year: 2020-2021

Year/Sem: IV/I

Name of the Program: "Android App Development Using Kotlin"

| S.NO | ROLL<br>NUMBER | NAME OF THE STUDENT           | SIGNATURE           |
|------|----------------|-------------------------------|---------------------|
| 31   | 17X41A0592     | Krishna Singh Dahiya          | Krishna Singh D     |
| 32   | 17X41A0593     | Meegada Krishna Pranathi      | M. Pranathi         |
| 33   | 17X41A0594     | Mohammed Rakhiya Sultana      | H. Pathiya, Pattana |
| 34   | 17X41A0595     | N V Sai Mounika Munagala      | M. Mounika          |
| 35   | 17X41A0596     | Nadalla Ramya Sri             | N. Ramyass:         |
| 36   | 17X41A0597     | Nagothi Swaroop               | O ookow? . CA       |
| 37   | 17X41A0599     | Narra Kavya Sri               | N. Kovya Szi        |
| 38   | 17X41A05A0     | Pappula Rani                  | P.Rapi              |
| 39   | 17X41A05A1     | Pattepurapu Jagadish Kumar    | P. Jagodish         |
| 40   | 17X41A05A2     | Pendurthi Sasi Kanth          | p. Sasikanth        |
| 41   | 17X41A05A4     | Priyanka Kumari Singh         | Paryonke singh      |
| 42   | 17X41A05A5     | Puppala Gamani                | P. Gamani           |
| 43   | 17X41A05A6     | Ramisetty Akshaya Keerthi     | R. Keenthi          |
| 44   | 17X41A05A7     | Reddy Guru Ajay               | G. Ajay             |
| 45   | 17X41A05A8     | Medindrao Reethika            | M. Reethika         |
| 46   | 17X41A05A9     | Sali Krishna Sri              | 5 489shast9         |
| 47   | 17X41A05B0     | Shaik Shaheena                | Sk Shaheena         |
| 48   | 17X41A05B1     | Shaik Shahin Taj              | sk-Shahin Taj       |
| 49   | 17X41A05B2     | Suragani Sai Keerthana        | 3. keerthana        |
| 50   | 17X41A05B3     | Tirunagari Lakshmi Bhaskari   | T. habylon          |
| 51   | 17X41A05B4     | Udumula Venu Gopal Reddy      | U-venu              |
| 52   | 17X41A05B5     | Kotte Sai Vikas               | K. Vikas            |
| 53   | 17HP1A0569     | Surapaneni Dimple             |                     |
| 54   | 16H71A05G1     | Sadanala Sri Ram              | S. Dimple<br>ABSENT |
| 55   | 18X45A0510     | T Venkata Lakshmi Vara Prasad | J. Voia Praid       |
| 56   | 18X45A0511     | Kodali Hari Krishna           | K. Haci Krishna     |
| 57   | 18X45A0513     | Shaik Nazeer                  | SK. Nazeek          |
| 58   | 18X45A0515     | Tokala Prasanna Priyanka      | T. Priyanka         |
| 59   | 18X45A0516     | Eedi Sai Teja                 | 6. Soi Tola         |

Radhike Program Coordinator SRK INSTITUTE OF TECHNOLOGHOD



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(ISO 9001:2015 Certified Institution)
Department of Computer Science and Engineering

#### List of Students

Academic Year: 2020-2021

Year/Sem: IV/I

Name of the Program: "Android App Development Using Kotlin"

| S.NO | ROLL<br>NUMBER | NAME OF THE STUDENT           | SIGNATURE         |
|------|----------------|-------------------------------|-------------------|
| 60   | 18X45A0517     | Mukkavalli Naga Srinandini    | M. Nagafrillandin |
| 61   | 18X45A0518     | Venigalla Venkata Vamsi Priya | V. vamse priyou   |

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Department of Computer Science and Engineering

#### Day - Wise Attendance Sheet

Academic Year: 2020-2021

Course Duration: 6 days

Course Commencement Date: 14-12-2020

Time:09.30AM to 04.30PM

Course Title: "Android App Development Using Kotlin".

| S. No  | Roll Number   | Day 1  | Day 2  | Day 3  | Day 4  | Day 5                                   | Day 6  |
|--------|---------------|--|--|--|--|---|--|
| 1      | 17X41A0561    | A. Birchupriya   | A Bindupiyo  | A Birdupije  | A Birduniyo  | A Birdupriya                            | A-Binduprij  |
| 2      | 17X41A0562    |  | , U  | . W  | ASLakshman   |   |  |
| 3      | 17X41A0563    |  |  |  | B. Chuvana   |   |  |
| 4      | 17X41A0564    | B. Teja  | B. Teja  | B. Teta  |  | An                                      | B.Teja   |
| 5      | 17X41A0565    |  | The Real Property Assessment Control of the Control | The state of the s | B. Jaswanth  | L. L.                                   | The second second  |
| 6      | 17X41A0566    | And the second second second   | Coloridate Land  | 1200   |  | B.Mancy                                 | B. Norry   |
| 7      | 17X41A0567    | B.wancy  | Buncy  |  | B. Narry   | 111                                     | 11   |
| 8      | 17X41A0568    |  |  |  | A-chailanga  |   |  |
| 9      | 17X41A0569    |  | Parties and the second   |  | ch-mounta  | 100                                     |  |
| 10     | 17X41A0570    | - 0.   | A 0.00 SEPTIME CONT.   |  | O salish   |   |  |
| 11     | 17X41A0571    | 0.0000000000000000000000000000000000000  | D. Salish  |  | The state of the s | 100000000000000000000000000000000000000 | Polish   |
| 12     | 17X41A0572    | D Akhita   |  | The Control of the Control   | O. Akhila  |   | THE CONTRACT OF STREET   |
| 13     | 17X41A0573    |  | 200  | 1000   | Eventat  | 271 10777                               | 1  |
| 14     | 17X41A0574    |  |  |  | G Hongrand   |   | The state of the s |
| 15     | 17X41A0575    | and the second   |  |  | 1. America   |   |  |
| 16     | 17X41A0576    |  | Color Park   | 300  | Gistinnera   | Programme and the second                | Control of the Contro |
| 17     | 17X41A0577    |  | CONTRACTOR STATEMENT   | TO STATE SOUTH TO STATE OF THE  | GoHaneesway  | Part Street County of the County of the | Tall the many through the same   |
|        | 17X41A0578    |  | 6. Teja  |  |  |   | G. Tep   |
| 18     |               | 6. Bhardwaj  | Gillauderaj  | 5. Elaundury   | 4 Chardia  | 4. Blaceday                             | G. Blassokan   |
| 19     | 17X41A0579    | G +gramas  | G. HEAR  | B. HIT Amei  | Chromos  | 6.4100mg                                | G. + 18 pm   |
| 20     | 17X41A0580    |  | The state of the s |  | 6-Akhila   |   |  |
| 21     | 17X41A0581    | . 2712   | The state of the s | The state of the s | The state of the s |   |  |
| 22     | 17X41A0582    | Jumo toulk   | T. One kend  | 3. Uniches   | J. Umakanth  | G. Mangj                                | J. Unickart  |
| 23     | 17X41A0584    | A CONTRACTOR OF THE PARTY OF TH | HIGH COLORS  | The state of the s | N 1972   | (S. C                                   |  |
| 24     | 17X41A0585    | I I  |  | lc. Alay   | E-1804   | to May                                  | 6 Hoyash   |
| 25     | 17X41A0586    | 1c. A Jany   | b. AJay  |  | Kitakhnan  | 4 4                                     | 1000   |
| Progra | m Coordinator | Redhe  | Perthi   | La cure  |  | Radhike                                 | _  |

Resource Person

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Department of Computer Science and Engineering

#### Day - Wise Attendance Sheet

Academic Year: 2020-2021

Course Duration: 6 days

Course Commencement Date: 14-12-2020

Time:09.30AM to 04.30PM

Course Title: "Android App Development Using Kotlin".

| S. No  | Roll Number   | Day 1  | Day 2  | Day 3  | Day 4  | Day 5         | Day 6  |
|--------|---------------|--|--|--|--|---------------|--|
| 26     | 17X41A0587    | K. Pavani  | K. Rubni   | K. Ponhni  | K. Pavoni  | K-Povoni      | K- Favoni  |
| 27     | 17X41A0588    | K. Teevitha  | K. Teevitha  | K:Teevitha   | A . 10 C C C C C C C C C C C C C C C C C C   | K. Teevika    | The state of the s |
| 28     | 17X41A0589    | k. Naveen  | k. Naveo)  | k. Naveen  | K' Naveen  | k-Naveot      | k. Noveen  |
| 29     | 17X41A0590    | Harshitha  | Horshitha  | Horshith   |  | Herishi Han   |  |
| 30     | 17X41A0591    | K. Babeleo   | K. Baburkao  | K. Palulio   | 0  | 1 - 1 1 2     | K-Balaka   |
| 31     | 17X41A0592    | Krishna  |  |  |  |               |  |
| 32     | 17X41A0593    | N. Pranathi  | M. Pranth  | M. Pranshi   | 14. Pranathi   | M. Punti      | M. Pranath   |
| 33     | 17X41A0594    | n. Poly-wither   | Krishna<br>M. Prandi   | Roberto  | H. Rayonit   | H. Pyorth     | H Palifalle  |
| 34     | 17X41A0595    | M. Mounika   | M. Hounika   | 100  | 1999 (1985) 110 mm   |               | H. Mounika   |
| 35     | 17X41A0596    | N Pamy Spi   | 1 -  | •  | 1  | Al Ramasi     | THE RESERVE TO LONG TO SERVE T |
| 36     | 17X41A0597    | 0  | 1  |  | A).Sworoe  | 0             | A. hudines   |
| 37     | 17X41A0599    | N. byg sri   | Willows Soil   | Il Volley Co.  | N. Kavya so:   |               |  |
| 38     | 17X41A05A0    |  | The second second  | P.Rani   |  | P. Rani       | 1  |
| 39     | 17X41A05A1    | The second secon | P. jagadresh   |  |  |               |  |
| 40     | 17X41A05A2    | 0 .  | p. Sosikanth   | 10 Carlo 10  |  |               | 14   |
| 41     | 17X41A05A4    | La contraction of the contractio | Contract of the Contract of th |  |  |               |  |
| 42     | 17X41A05A5    | PGamoni  | Privatikatingh<br>Promoni  | P. Garoni  | P. Gorant  | P. Goroni     | P. Romen   |
| 43     | 17X41A05A6    | R-Keerth?  | Picents  | Piksedli   |  | a. k certh    | Phank  |
| 44     | 17X41A05A7    | G. Ajay  | G. Ajay  | G. Ajay  | G. Ajay  | G. Alpy       | 4. Ajay  |
| 45     | 17X41A05A8    |  | M. Reeth: Ko   | M. Reethin   |  | 11- Rec Using | 1.0  |
| 46     | 17X41A05A9    |  | S-tellinas 9   | 100000000000000000000000000000000000000  | 1 148H18   | Stunor        | s. Ubiha   |
| 47     | 17X41A05B0    | 7/2  | sk-shakeon   | 0000000  |  |               | The second secon |
| 48     | 17X41A05B1    | The Committee of the Co | Sk-Shahin  | The second secon | A STATE OF THE PARTY OF THE PAR |               | and the second second second second  |
| 49     | 17X41A05B2    |  | 3 keerthana  |  |  |               |  |
| 50     | 17X41A05B3    | The second section is a second | T. lekshini  | LACTOR WAS ENGINEED.   | the state of the s | 9. (abstract  | The second secon |
| Progra | m Coordinator | Radheri  |  | Redbye   | Pedhika  |               | Radhika  |

Resource Person

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Department of Computer Science and Engineering

#### Day - Wise Attendance Sheet

Academic Year: 2020-2021

Course Duration: 6 days

Course Commencement Date: 14-12-2020

Time:09.30AM to 04.30PM

Course Title: "Android App Development Using Kotlin".

| S. No  | Roll Number   | Day 1  | Day 2  | Day 3                     | Day 4                  | Day 5  | Day 6                                   |
|--------|---------------|--|--|---------------------------|------------------------|--|---|
| 51     | 17X41A05B4    | V. venu  | v.venu   | บ.งยาน                    | u.venu                 | v-venu   | v.venu.                                 |
| 52     | 17X41A05B5    | k. vikas   | k. Vikas   | tr.Vikas                  | k. Vikas               | kirikas  | k.v.ka                                  |
| 53     | 17HP1A0569    | S. Dimple  | S. Dimple  | S. Dimple                 | S. Dimple              | S. Dingle  | S. Dimple                               |
| 54     | 16H71A05G1    | ABSENT   | ABSENT   | ARSONT                    | ABSENT                 | ABSENT   | ABZEN                                   |
| 55     | 18X45A0510    | T. Vara Pland  | Tiron Propo  | T. voro Prand             | T. woo Prop d          | Two Pracod   | T-verolina                              |
| 56     | 18X45A0511    | 100000000000000000000000000000000000000  | K-Hankelika  | Supplies Collector Action | The second second      | State of the state | et all and the second                   |
| 57     | 18X45A0513    |  | SK-Nazcer  | Suppliment of the         | A Lines of the Control | The second constitution  | 1 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - |
| 58     | 18X45A0515    | The state of the s | 1-Priyank  |                           |                        | District Contract  | the second second                       |
| 59     | 18X45A0516    | See outpowie   | The state of the s |                           | e-sai feja             | Colon State In   | Committee Services                      |
| 60     | 18X45A0517    | M. Howarded  | . 11   | 1 1.                      | A                      | 1 1.   | Nacelia                                 |
| 61     | 18X45A0518    | V. Vomst   | V. Vand 130  | 4.00                      |                        | v. vame  | V. venst                                |
| Progra | m Coordinator | Rodhke   | Rodinei  | Ledher                    | Radha                  | Rudhaia  | Radnie                                  |

Paraura Parau

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SEK INSTITUTE OF TECHNOLOGY



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Approved by AICTE, Affiliated to JNTUK, Kakinada
(ISO 9001:2015 Certified Institution)
Department of Computer Science and Engineering

Date: 22-12-2020

#### Report

Name of the Program: "Android App Development Using Kotlin".

Date: 14-12-2020 to 19-12-2020.

Timing: 09:30AM to 4:30PM

Resource Person: Dr.N. Neelima Priyanka, Associate Professor

Name of the Coordinator: Dr.A.Radhika., Associate Professor

Number of Participants: 61

The Department of CSE conducted program on "Android App Development Using Kotlin" addon program from 14-12-2020 to 19-12-2020 at 2<sup>nd</sup> floor, BLC-4 during 09:30AM to 4:30PM.

On the first day, program was inaugurated by the Dr.D.Haritha, HOD of CSE with a motivational talk on importance of Android Development. After the speech of HOD, the classes were conducted as per the schedule given.

On the last day of the program few aspirants gave their feedback on how the training sessions helped them in improving their App development skills. Finally, the program was concluded with a vote of thanks by student representatives.

#### Objective:

The main focus of Kotlin is on security, interoperability, tooling support and clarity of code. It is faster and needs fewer lines of codes instead of other programming languages. Kotlin is both object oriented and functional programming language.

#### Outcome of Event:

Kotlin is a modern statically typed programming language used by professional Android developers that helps boost productivity, developer satisfaction, and code safety.

Kadhika Program Coordinator PRINCIPAL HOD/Date 23/12/2020



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## Participation Certificate

| This is to c | ertify that Mr./Ms. BOYINA            | JASWANTH                                |
|--------------|---------------------------------------|---|
| of           | 17X41A0565, IV CSE                    | has Participated in add on              |
| programme    | e "Android App Development Using Kot  | lin" held from 14-12-2020 to 19-12-2020 |
| conducted    | by the Department of Computer Science | & Engineering, SRKIT-Vijayawada.        |

Resource Person
Dr. N. Neelima Priyanka,
Associate Professor
Dept of CSE, SRKIT

HoD Dr D. Haritha, Professor Dept of CSE ,SRKIT

Fulland Dr.

Principal Dr. M Ekambaram Naidu Professor,

Dept of CSE, SRKIT



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## Participation Certificate

| This is to ce | rtify that Mr./MsBURRA                | GRACE GLADYS NANCY                        |
|---------------|---------------------------------------|---|
| of            | 17X41A0566, IV CSE                    | has Participated in add on                |
| programme     | "Android App Development Using Ko     | otlin" held from 14-12-2020 to 19-12-2020 |
| conducted l   | by the Department of Computer Science | e & Engineering, SRKIT-Vijayawada.        |

Resource Person

Dr. N. Neelima Priyanka,

Associate Professor

Dept of CSE, SRKIT

HoD Dr D. Haritha, Professor Dept of CSE ,SRKIT

Dr. M Ekambaram Naidu Professor,

RKIT PRINCIPAL Dept of CSE, SRKIT



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### Participation Certificate

This is to certify that Mr./Ms. GORIPARTHI KIRANMAI

of 17X41A0579, IV CSE has Participated in add on

programme "Android App Development Using Kotlin" held from 14-12-2020 to 19-12-2020

conducted by the Department of Computer Science & Engineering, SRKIT-Vijayawada.

Resource Person

Dr. N. Neelima Priyanka,

Associate Professor

Dept of CSE, SRKIT

HoD

Dr D. Haritha,

Professor

Dept of CSE ,SRKI

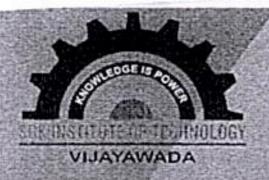
Principal

Dr. M Ekambaram Naidu

Professor,

Dept of CSE, SRKIT

ENHEPADU, VIJAYAWADA



Approved by AICTE, Affiliated to JNTUK Kakinada (An ISO 9001:2015 Certified Institute), Vijayawada-521108

### Participation Certificate

This is to certify that Mr./Ms. MEEGADA KRISHNA PRANATHI

of 17X41A0593, IV CSE

has Participated in add on

programme "Android App Development Using Kotlin" held from 14-12-2020 to 19-12-2020

conducted by the Department of Computer Science & Engineering, SRKIT-Vijayawada.

Resource Person

Dr. N. Neelima Priyanka,

Associate Professor

Dept of CSE, SRKIT

NoD

Dr D. Haritha,

Professor

Dept of CSE SRKIT

Principal

Dr. M Ekambaram Naidu

Professor,

Dept of CSE, SRKIT

ENIMEDADU. VIJAYAWADA



Enikepadu, Vijayawada 521108 Approved by AICTE, Affiliated to JNTUK, Kakinada (ISO 9001:2015 Certified Institution)

Date: 10-12-2020

#### CIRCULAR

This is to inform all the students that college academic committee proposed to plan for an add on program "ANDROID APP DEVELOPMENT USING KOTLIN" for IV/IV B.Tech students. It is decided to conduct this program for IV/IV B.Tech students from 21-12-2020 to 26-12-2020 with duration 6 days. The resource person is Dr.N.Neelima Priyanka, Associate Professor, Department of CSE, SRKIT. The syllabus and the schedule are displayed on the notice board. The program coordinator is Dr. A.Radhika, Associate Professor, Department of CSE,SRKIT.. The interested students are requested to register their names on or before 14-12-2020.

Circulated to: All HODs

8 Screet Stat CE

SRK INSTITUTE OF TECHNOLOGY ENIKEPADU, VIJAYAWADA



Certificate of Participation

# Dr N Neelima Priyanka

Has participated in the Android Development with Kotlin Train-the-Trainer program from August 31 - September 5, 2020

Signing Authority

Google Developers

SRK INSTITUTE OF TECHNOLOGY



Enikepadu, Vijayawada 521108 Approved by AICTE, Affiliated to JNTUK, Kakinada (ISO 9001:2015 Certified Institution) Department of Computer Science and Engineering

4-12-2020

#### SYLLABUS

#### ANDROID APP DEVELOPMENT USING KOTLIN

- Getting Started with Android Apps Using Kotlin
  - Introduction to Kotlin
  - Functions
  - Using Classes and Objects in Kotlin
- Exploring Android App structure
  - · Activity, User Interface and Views
  - Designing Layout and Handle Events
  - Navigating between Activities
  - Share Data using Explicit and Implicit Intent
- Implementing Lists and Kotlin Classes
  - Introduction to RecyclerView and CardView
  - Adding RecyclerView and CardView
  - Creating Adapter Class
  - Link RecyclerView and Custom Adapter
- Leverage the power of Kotlin
  - Code Cleanup
  - Implementing Extension Function
  - Using Default Parameters
  - Using Companion Object and Object Declaration
- Finishing touches and styling our App
  - Updating App Launcher Icon
  - Styling App: Material Design Colors
  - Styling App: Applying Themes

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Date: 15-12-2020

#### SCHEDULE

#### Android Apps Using Kotlin

| Day   | Topic   | Timing             |
|-------|---|--------------------|
| DAY 1 | Getting Started with Android Apps Using Kotlin  Introduction to Kotlin  Functions  Using Classes and Objects in Kotlin  | 09.30AM to 04.30PM |
| DAY 2 | Exploring Android App structure   | 09.30AM to 04.30PM |
| DAY 3 | Implementing Lists and Kotlin Classes  Introduction to RecyclerView and CardView Adding RecyclerView and CardView Creating Adapter Class Link RecyclerView and Custom Adapter | 09.30AM to 04.30PM |
| DAY4  | Leverage the power of Kotlin      Code Cleanup     Implementing Extension Function     Using Default Parameters     Using Companion Object and Object Declaration             | 09.30AM to 04.30PM |
| DAY 5 | Finishing touches and styling our App  Updating App Launcher Icon Styling App: Material Design Colors Styling App: Applying Themes  | 09.30AM to 04.30PM |
| DAY 6 | Test the App and Publish in play store  | 09.30AM to 04.30PM |

Venue: BLC -4,2nd Floor

Program Coordinator

Copy to: Notice Board

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HOD



Enikepadu, Vijayawada 521108 Approved by AICTE, Affiliated to JNTUK, Kakinada (ISO 9001:2015 Certified Institution) Department of Computer Science and Engineering

Year/Sem: IV/I

#### List of Students

Academic Year: 2020-2021

Name of the Program: "Android App Development Using Kotlin"

ROLL S.NO NAME OF THE STUDENT SIGNATURE NUMBER 1 17X41A0501 Adireddy Taruni Renuka fenu so. A 2 17X41A0502 Akkem Hema Bhargayi hima bharani 3 17X41A0504 Allamsetti Harika A-Haska Ambati Sai Krishna 4 17X41A0505 A-sai Krishna 5 17X41A0507 Bale Balram B. Balzer 17X41A0508 6 Bitra Narasimha Murthy B. N. Murthy 7 17X41A0510 Bommu Hima Sri B. Hima Str 8 17X41A0511 Chandana Divya Vani C. Divyquani 9 17X41A0512 Chinta Rama Gopi C. Pama Grepi 10 17X41A0513 Chitturi Hari Vamsi C. hazi vam di 17X41A0514 Dandamudi Sai Jahnavi 11 D. Si Jahravi 12 17X41A0515 Devineni Jyoshtna D. Jyoshtna. G.Priya Vaibhavi Sri Shivani 13 17X41A0516 G. Priya 14 17X41A0517 Gajulapalli Vincela 6. Vineula 15 Ganugapenta Sai Kiran 17X41A0518 G. Sa: kran Ghantasala Lakshmi Krishna Sri G. L. Kolisma Sol 16 17X41A0519 4 Sree devil 17 Gubbala Sowmya Sree Devi 17X41A0520 J. Durgo Kons 18 Janyavula Durga Rani 17X41A0522 19 Kambham Rahul Chandra 17X41A0523 k. Rahul changes 20 17X41A0524 Kamineni Jayanth Kumar K. Jayanth Kumas. 21 17X41A0525 Katta Sri Hari ka fro Hani 22 Sai Sriva Kaza 17X41A0526 Sai Oliya Kondisetti Siya Sai Babu 23 17X41A0527 K. Sava Sai K. Si famya. 24 Komani Sri Ramya 17X41A0528 25 Lanke Manohari 17X41A0530 L. Manohar 26 Madu Baby Abhinayana 17X41A0531 Abhimayana Nafeesa Kouser 27 17X41A0532 Mrfeeso.k 28 17X41A0533 Nandigam Manvitha No Marvilla. 29 Neela Mary Mansi 17X41A0534 Marni 30 17X41A0535 Ommi Chinna Raja Yadav Rajayadov

Radhie Program Coordinator

ZHOD sta SRK INSTITUTE OF TECHNOLOGY

ENIKEPADU, VIJAYAWADA



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Department of Computer Science and Engineering

#### List of Students

Academic Year: 2020-2021 Year/Sem: IV/I

Name of the Program: "Android App Development Using Kotlin"

| S.NO | ROLL<br>NUMBER | NAME OF THE STUDENT          | SIGNATURE                      |
|------|----------------|------------------------------|--------------------------------|
| 31   | 17X41A0536     | Orusu Naga Venkatesh         | O. Naga Venkatesh.             |
| 32   | 17X41A0537     | Pedasanaganti Aparna         | -Abanna P                      |
| 33   | 17X41A0538     | Penumala Gayathri            | P. Gayathi:                    |
| 34   | 17X41A0539     | Ponamala Kanakadurga         | P. Kenela Dunga                |
| 35   | 17X41A0540     | Ponugumati Likhita           | P. Likhita .                   |
| 36   | 17X41A0541     | Purimitla Navcen             | P. navech                      |
| 37   | 17X41A0542     | Raavi Sai Krishana Phani     | Sai krishna Phan               |
| 38   | 17X41A0543     | Rajamahedravarapu Naga Leela |                                |
| 39   | 17X41A0544     | Ramanukolanu Jagadeeswar     | R. Noga Leela<br>gapubeh.      |
| 40   | 17X41A0545     | Ranga Naga Rajasekhar        | R. M. Raja Sekhar              |
| 41   | 17X41A0546     | Rayala Supriya               | R.N.Rajasekhar<br>R. suputiya. |
| 42   | 17X41A0547     | Sayala Sai Sony              | Sony.                          |
| 43   | 17X41A0548     | Shaik Jeharabi               | Sk. Jeharabi                   |
| 44   | 17X41A0550     | Shaik Sazid                  | Sk. Sazid                      |
| 45   | 17X41A0551     | Sunkara Naveensai            | 3. Nourseal.                   |
| 46   | 17X41A0552     | Syed Ahamed Kabir Rifae      | old. Ahamed tabis RHOR         |
| 47   | 17X41A0553     | T.V.N.Chandra Nikhitha       | XXXXXX                         |
| 48   | 17X41A0555     | Tarakaturi Vinay Paul        | T. vinay Paul                  |
| 49   | 17X41A0556     | Tati Sri Venkateswara Rao    | T. Venkateswarao               |
| 50   | 17X41A0557     | Thota Dilcep Sai Charan      | T. Dileen Sas                  |
| 51   | 17X41A0558     | Vellanki Yashwanth           | V. Yashwanth                   |
| 52   | 17X41A0559     | Venigatla Chandra Lekha      | chandra leicha.                |
| 53   | 17X41A0560     | Yalamanchili Navya Sri       | 4. Manya Sti                   |
| 54   | 18X45A0501     | Vasadi Anitha                | V-Ahitha                       |
| 55   | 18X45A0504     | Lanka Durga Bhavani          | 1.8                            |
| 56   | 18X45A0505     | Kona Sai Sirisha             | k. Sai sirisha.                |
| 57   | 18X45A0506     | Routhu Rajeswari             | R. Dajoulai                    |
| 58   | 18X45A0507     | Taraka Rama Adapa            | A. Taraka Rama.                |

Radhies Program Coordinator Whill Hop the

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Department of Computer Science and Engineering

#### List of Students

Academic Year: 2020-2021

Year/Sem: IV/I

Name of the Program: "Android App Development Using Kotlin"

| S.NO | ROLL NUMBER | NAME OF THE STUDENT | SIGNATURE     |
|------|-------------|---------------------|---------------|
| 59   | 18X45A0508  | K Venu Gopala Swamy | Gopala sulanu |
| 60   | 18X45A0509  | Gujjara Sai Kiran   | Gopala swany  |

Radheke Program Coordinator Hop it.

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(ISO 9001:2015 Certified Institution)
Department of Computer Science and Engineering

#### Day - Wise Attendance Sheet

Academic Year: 2020-2021

Course Duration: 6 days

Course Commencement Date: 21-12-2020

Time:09.30AM to 04.30PM

Course Title: "Android App Development Using Kotlin".

| S. No  | Roll Number   | Day 1  | Day 2  | Day 3  | Day 4  | Day 5  | Day 6  |
|--------|---------------|--|--|--|--|--|--|
| 1      | 17X41A0501    | Penuto.A   | -Peruto.A  | Coups.A  | Level. A   | Penuto A   | Renako.A   |
| 2      | 17X41A0502    |  | bhargari   | 10.00  | 100  |  | 1.00   |
| 3      | 17X41A0504    | Atlacika   |  |  | Atherta  |  |  |
| 4      | 17X41A0505    | 10.000   | A-saiknishna   | The state of the s | (1) = 50 Inject  | 10 GV (ED)(1 = 1   | The last terms of the last ter |
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| 6      | 17X41A0508    | 17/20 J 6-07 P. S. | B.N. Muthy   | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | The state of the s | The second of th |  |
| 7      | 17X41A0510    | B. Hema  |  |  | Special  | The second secon | The second second second second second   |
| 8      | 17X41A0511    |  | The second secon |  | B. Hema  | B. Hema  |  |
| 9      | 17X41A0512    |  | C. Dinya voni  | A CONTRACTOR OF THE CONTRACTOR |  | The second second  | -  |
| 10     | 17X41A0513    | C. Hosi varis  | C. How same  | C- Kama Cuy  | C. Harivams  | C. Hosting   | C. Komes Depi  |
| 11     | 17X41A0514    |  | 0 sai Jahravi  |  |  |  |  |
| 12     | 17X41A0515    |  | D-Typshtna   |  |  |  |  |
| 13     | 17X41A0516    |  | G-paiya  | 6 priya  | G priya  |  | Gibrida  |
| 14     | 17X41A0517    | Citimale   |  |  | a. Wind  | Control of the Contro | g. Vied  |
| 15     | 17X41A0518    |  | G. Sakiran   | Gr schace  | Gr. saileiran  | G. Saltaon   | G sation   |
| 16     | 17X41A0519    | G. Sakron  | Git-Krishna  |  | G.L Crishoo  |  |  |
| 17     | 17X41A0520    | 4-sredge   | 211  | 211  | 104  | 2,1  | 757  |
| 18     | 17X41A0522    |  | J. Dugalow   |  |  |  |  |
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| 21     | 17X41A0525    | K Jayanth Lane   | K. Taganh Kaman<br>K. K. or Havi   | K Joyark Sun   | K. Jospan Komar  | L.Jayantkum  | K. Tayanti sa  |
| 22     | 17X41A0525    | C. C.  | Kyni Hani  | K. TreHen  | KIN HON  |  |  |
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| 23     | 17X41A0527    | Siva Sai   | Siva Si  | Siva Sa:   | Siva Sai   | Siva Sa  | Sinsai   |
| 24     | 17X41A0528    | Kisrifanya   | K. Si Bony   | t Si Ponyo   | K. Sii Panya   | K. Si Parey  | Kisi Par   |
| 25     | 17X41A0530    | L-Monohari   | L-Monthari   | L-Manorari   | LMarchan   | L-Mondrari   | L Manthar  |
| Progra | m Cooldinator | Rodhie   | Rodhe  | Lodhac   | Rodhei   | Radhi:   | Radha P.   |

Resource Person

SRK INSTITUTE OF TECHNOLUGA ENIKEPADU. VIJAYAWADA



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Department of Computer Science and Engineering

#### Day - Wise Attendance Sheet

Academic Year: 2020-2021

Course Duration: 6 days

Course Commencement Date: 21-12-2020

Time:09.30AM to 04.30PM

Course Title: "Android App Development Using Kotlin".

| S. No       | Roll Number   | Day 1  | Day 2  | Day 3  | Day 4  | Day 5              | Day 6        |
|-------------|---------------|--|--|--|--|--------------------|--------------|
| 26          | 17X41A0531    | Abhineyana   | Abhirrayona  | Athinoyara   | Abhinoyana   | Abhiroreya         | Atragra      |
| 27          | 17X41A0532    | Naferso.k  | Moferta.t  | Abfeetak   | Nafeesa.k  |                    | -            |
| 28          | 17X41A0533    | Monut the  | Manyitha   | Control of the Contro | Manyitha   | 12/25/2010/06/2010 | Mon vitha.   |
| 29          | 17X41A0534    | Mami   | Mami   | Mini   | Manni  | Manni              | Mami         |
| 30          | 17X41A0535    | Rojon  | Roja   | Roja   | Roja   | Rajo               | Ria.         |
| 31          | 17X41A0536    | AND THE STATE OF T |  |  | ON · Venkatel  |                    |              |
| 32          | 17X41A0537    | Aganna.P   | Apanna P   | District Transfer 155/16   | Carlotte de la companya de la compan |                    | Almm. P      |
| 33          | 17X41A0538    | Gayothe:   | Gasjaline  | Salpther   | Gayadhi  | Gaspotha:          | Gaspathri    |
| 34          | 17X41A0539    | Promis   | P. Langtister  | The second second  | P. County  | Phaneh             | P. Bruken    |
| 35          | 17X41A0540    | PLIKhita   | PLikhita   | PLIkhita   | PLIKHIta   | PLIKhita           | P. Likhite   |
| 36          | 17X41A0541    | Piphon   | P. NOVELL  | P-Hauen  | P. Mayer   | Fravan             | p. wvan      |
| 37          | 17X41A0542    | Phoni  | Phoni  | Phun:  | Phone  | Phane:             | Phoni        |
| 38          | 17X41A0543    | R. Naphela   | R. Nos Lead  | O Mar la   | R. Nogeland  | -                  | R. Nop. Le   |
| 39          | 17X41A0544    | poels  | pagele   | Pul  | Joseph   | varl               | gent L       |
| 40          | 17X41A0545    | R. N. Ripsellov  |  | ProPrincell  | RNRogalila   | RNPaiskl           | R.N. Rais    |
| 41          | 17X41A0546    | R. Supaiya   | Resuperlya   | R. Supaiga   | the state of the s | R.Supalya          |              |
| 42          | 17X41A0547    | Som  | Sony   | Sony   | Sony   | Sony               | Sony         |
| 43          | 17X41A0548    | Sk Je Rovahi   | And in contrast of the last of | the second second second second  | Sk. Jeharenbi  | Sk Teharaki        |              |
| 44          | 17X41A0550    | St. Sarid  | Sc sarid   | S.F.Sasa   | St. Sad  |                    | 1            |
| 45          | 17X41A0551    | S. Norman  | Mouren   | Maken  | Moveen   | Ste Josid          | Mencer       |
| 46          | 17X41A0552    | 84. Kaby   | Ed. Kabir  | d. rahr  | and the second s | ad bably           | st. Kabir    |
| 47          | 17X41A0553    | Wikitha  | Mittha   | Miltella   | whitelle   | Wiketta            | 100          |
| 48          | 17X41A0555    | T-vired Ray  | 0.8363 R/ 64   | stational transfer   |  | Angeles Control    | 100          |
| 49          | 17X41A0556    | 1. Ventateta   |  | Trenkotei  | Tivenkales   | T-Venvoies         | L. Verkalest |
| 50          | 17X41A0557    | -  |  |  | T. Dileop Sai  |                    |              |
| Progra      | m Coordinator | Radhan   | Rodha  |  | Radha  | Radhera            | D M          |
| Carlo Carlo | de            | The street street  | Cra runs   | No Popular   | 1-10-0-  | KAONIKA            | KACHIK       |

Resource Person

SRK INSTITUTE OF TECHNOLOGY ENIKEPADU, VIJAYAWAPA



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(ISO 9001:2015 Certified Institution)
Department of Computer Science and Engineering

#### Day - Wise Attendance Sheet

Academic Year: 2020-2021

Course Duration: 6 days

Course Commencement Date: 21-12-2020

Time:09.30AM to 04.30PM

Course Title: "Android App Development Using Kotlin".

| S. No  | Roll Number   | Day 1          | Day 2  | Day 3            | Day 4        | - Day 5      | Day 6  |
|--------|---------------|----------------|--|------------------|--------------|--------------|--|
| 51     | 17X41A0558    | V. Yashwanth   | V.Y ashworth   | V- Yasworth      | V-Yawanto    | Y. Yawarth   | V. Vasuath-  |
| 52     | 17X41A0559    | chandra        | chanolta   | Chardra          | chemelya     | chancha      | chanden  |
| 53     | 17X41A0560    | y Navya Sil    | Y. NAUYA Sri   | 4-4104434        | 4 Hanya Sri  | 1. MONTY 94: |  |
| 54     | 18X45A0501    | VAnithe        | Vathithe   | VANTE            | V. Arith     |              | Annual Contract of the Contrac |
| 55     | 18X45A0504    | 1.61.          | 1. Bot.  | 1.8.1            | 1.64.        | 1 tot.       | L. by  |
| 56     | 18X45A0505    | K. Sai sirisha | k-Salsirisa  |                  |              | -            | k-Sai strisk   |
| 57     | 18X45A0506    | R. Rajewai     | P. Dierhaus  | P. Dojeto:       | P. Dijedari  | P. Pijedwai  | P. Pipeles   |
| 58     | 18X45A0507    | A. Targes      | A. Taraka  | A-taraka<br>Laun | A. Taraka    | A. taraka    | A Taraka   |
| 59     | 18X45A0508    |                | Gopalasum  |                  |              | 130          |  |
| 60     | 18X45A0509    | Geliloon       | and the second s | 1 4 .            | Gr. Soil Dan |              | a management of the contract o |
| Progra | m Coordinator | Radhu          | Radhei   | Rodhe            | Redha        | Robbe        | Rodhie   |

Resource Person

HOD

SRK INSTITUTE OF TECHNOLOGY ENIKEPADU, VIJAYAWADA



Enikepadu, Vijayawada 521108
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(ISO 9001:2015 Certified Institution)
Department of Computer Science and Engineering

Date: 28-12-2020

#### Report

Name of the Program: "Android App Development Using Kotlin".

Date: 21-12-2020 to 26-12-2020...

Timing: 09:30AM to 4:30PM

Resource Person: Dr.N. Neelima Priyanka, Associate Professor

Name of the Coordinator: Dr.A.Radhika., Associate Professor

Number of Participants: 60

The Department of CSE conducted program on "Android App Development Using Kotlin" addon program from 21-12-2020 to 26-12-2020 at 2<sup>nd</sup>floor, BLC-4 during 09:30AM to 4:30PM.

On the first day, program was inaugurated by the Dr.D.Haritha, HOD of CSE with a motivational talk on importance of Android Development. After the speech of HOD, the classes were conducted as per the schedule given.

On the last day of the program few aspirants gave their feedback on how the training sessions helped them in improving their App development skills. Finally, the program was concluded with a vote of thanks by student representatives.

#### Objective:

The main focus of Kotlin is on security, interoperability, tooling support and clarity of code. It is faster and needs fewer lines of codes instead of other programming languages. Kotlin is both object oriented and functional programming language.

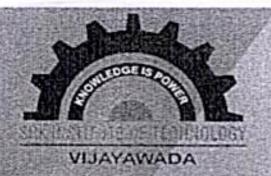
#### Outcome of Event:

Kotlin is a modern statically typed programming language used by professional Android developers that helps boost productivity, developer satisfaction, and code safety.

Program Coordinator

Welles HOD/Date 28 12 2020

SRK INSTITUTE OF TECHNOLOGY ENIKEPADU, VIJAYAWADA



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## Participation Certificate

This is to certify that Mr./Ms.

ADIREDDY TARUNI RENUKA

of 17X41A0501, IV CSE

has Participated in add on

programme "Android App Development Using Kotlin" held from 21-12-2020 to 26-12-2020

conducted by the Department of Computer Science & Engineering, SRKIT-Vijayawada.

Resource Person

Dr. N. Neelima Priyanka,

Associate Professor

Dept of CSE, SRKIT

HoD

Dr D. Haritha,

Professor

Dept of CSE ,SRKIT

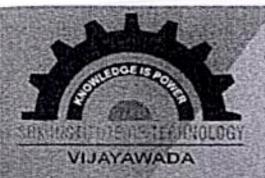
Principal

Dr.-M Ekambaram Naidu

Professor,

Dept of CSE, SRKIT

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### Participation Certificate

| This is to co | ertify that Mr./Ms G.PRIYA V             | AIBHAVI SRI SHIVANI                    |
|---------------|--|--|
| of            | 17X41A0516, IV CSE                       | has Participated in add on             |
| programme     | "Android App Development Using Kotl      | in" held from 21-12-2020 to 26-12-2020 |
| conducted     | by the Department of Computer Science of | & Engineering, SRKIT-Vijayawada.       |

Resource Person

Dr. N. Neelima Priyanka,

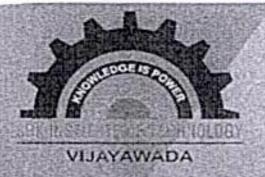
Associate Professor

Dept of CSE, SRKIT

HoD Dr D. Haritha, Professor Dept of CSE ,SRKIT

Principal
Dr. M Ekambaram Naidu
Professor,
Dept of CSE, SRKIT

SRK INSTITUTE OF TECHNOLOGY



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### Participation Certificate

This is to certify that Mr./Ms. KAMBHAM RAHUL CHANDRA

of 17X41A0523, IV CSE has Participated in add on programme "Android App Development Using Kotlin" held from 21-12-2020 to 26-12-2020

conducted by the Department of Computer Science & Engineering, SRKIT-Vijayawada.

Resource Person

Dr. N. Neelima Priyanka, Associate Professor Dept of CSE, SRKIT HoD

Dr D. Haritha,

Professor

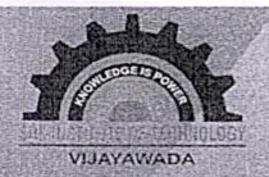
Principal

Or. M Ekambaram Naidu

Professor,

Dept of CSE SRKITINSTITUTE OF TECHNOLOGIC OF CSE, SRKIT

ENIKEPADU, VIJAYAWADA



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### Participation Certificate

This is to certify that Mr./Ms.

SHAIK JEHARABI

of 17X41A0548, IV CSE

has Participated in add on

programme "Android App Development Using Kotlin" held from 21-12-2020 to 26-12-2020

conducted by the Department of Computer Science & Engineering, SRKIT-Vijayawada.

Resource Person

Dr. N. Neelima Priyanka, Associate Professor Dept of CSE, SRKIT HoD

Dr D. Haritha,

Professor

Dept of CSE ,SRKIT

Principal

Dr. M Ekambaram Naidu

Professor,

Dept of CSE, SRKIT

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Date: 27-11-2020

#### CIRCULAR

The following faculty members are requested to attend the meeting in MCA LAB to discuss and frame the syllabus for an add-on program "Android Studio App Development with Kotlin".

| S.No | Faculty Name          | Designation         | Signature   |
|------|-----------------------|---------------------|-------------|
| 1    | Dr.D.Haritha          | Professor, HOD      | Defeate     |
| 2    | Dr.N.Neelima Priyanka | Assocaite Professor | dit         |
| 3    | Ms M. Anitha          | Assistant Professor | M. Antto    |
| 4    | Mr. E. Naga Raju      | Assistant Professor | E. Nega Pin |

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Department of Master of Computer of Applications

#### SYLLABUS

#### Name of the Program: Skill Android Studio App Development with Kotlin

- Getting Started with Android Apps Using Kotlin
  - Introduction to Kotlin
  - Functions
  - Using Classes and Objects in Kotlin
- Exploring Android App structure
  - · Activity, User Interface and Views
  - Designing Layout and Handle Events
  - Navigating between Activities
  - Share Data using Explicit and Implicit Intent
- Implementing Lists and Kotlin Classes
  - Introduction to RecyclerView and CardView
  - Adding RecyclerView and CardView
  - · Creating Adapter Class
  - Link RecyclerView and Custom Adapter
- Leverage the power of Kotlin
  - Code Cleanup
  - Implementing Extension Function
  - Using Default Parameters
  - Using Companion Object and Object Declaration
- Finishing touches and styling our App
  - Updating App Launcher Icon
  - Styling App: Material Design Colors

Styling App: Applying Themes

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S.No. Name of the Resource Person

Designation

Signature

Dr. N. Neelima Priyanka

Associate Professor

HOD - MCA



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Date: 18-01-2021

#### CIRCULAR

All the III MCA Students are here by informed that Department of Master of Computer Applications is conducting an Add-on Certificate Program titled "Android Studio App Development with Kotlin." The resource person is Dr. N. Neelima Priyanka, Associate Professor, Department of Computer Science and Engineering, SRKIT. The program will commence on 25/01/2021 and will conclude on 30/01/2021. The details of the program are displayed in the notice board. Interested students can meet Mr. E. Nagaraju, Assistant Professor, Department of Master of Computer Applications, and enroll their names on or before 23/01/2021

Venue: APSSDC Lab

Principal

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All HODs

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Department of Master of Computer of Applications

#### PROGRAM SCHEDULE

Name of the Program: Android Studio App Development with Kotlin

| S. No. | Schedule                    | Time               |
|--------|-----------------------------|--------------------|
|        | 25/01/2021                  |                    |
| 1      | Inauguration of the program | 9:30AM to 10:30AM  |
| 2      | Session - 1                 | 10:30AM to 12:30PM |
| 3      | Session - II                | 01:30PM to 04:30PM |
|        | 27/01/2021                  |                    |
| 4      | Session – III               | 9:30AM to 12:30PM  |
| 5      | Session – IV                | 01:30PM to 04:30PM |
|        | 28/01/2021                  |                    |
| 6      | Session – V                 | 9:30AM to 12:30PM  |
| 7      | Session - VI                | 01:30PM to 04:30PM |
| 1-26   | 29/01/2021                  |                    |
| 8      | Session – VII               | 9:30AM to 12:30PM  |
| 9      | Session – VIII              | 01:30PM to 04:30PM |
|        | 30/01/2021                  |                    |
| 10     | Session - IX                | 9:30AM to 12:30PM  |
| 11     | Session - X                 | 01:30PM to 04:30PM |

Lunch Time: 12:30PM to 1:30PM

S.No. Name of the Resource Person

Designation

Signature

1

Dr. N. Neelima Priyanka

Associate Professor

Program Coordinator

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Department of Master of Computer Applications

#### LIST OF STUDENTS ENROLLED

Academic Year: 2020-21

Commencement Date:25-01-2021

Program Title: "Android Studio App Development with Kotlin"

| S.No. | Roll Number | Student Name               | Signature                |
|-------|-------------|----------------------------|--------------------------|
| 1     | 18X41F0001  | GUNDIMEDA REVATHI          | G. Revaths               |
| 2     | 18X41F0002  | KONDABOYINA MANIKANTA      | K Manikanta              |
| 3     | 18X41F0003  | KOTA YASUSHMA              | t. Yourshma              |
| 4     | 18X41F0004  | MAGULURI MANI DEEPIKA      | M. Deepika               |
| 5     | 18X41F0005  | MAKANI VENUSRI             | M. Verusi                |
| 6     | 18X41F0006  | VAMKAYALAPATI SWATHI       |                          |
| 7     | 19X45F0001  | KALARI SAI NAVEENA         | r. duathi<br>K.S. Noveen |
| 8     | 19X45F0002  | MULLAMREDDY RAVINDRA REDDY | R. Roddy                 |
| 9     | 19X45F0003  | CHANDIKA VINAYA MOUNIKA    | ch. maunite              |
| 10    | 19X45F0004  | YENUMULA PAVANI            | 4. Pauani                |
| 11    | 19X45F0005  | PASUPULETI SAI LATHA       | PA: Pra-Sailatha         |
| 12    | 19X45F0006  | BUDIPUTI TILOTHAMA         | B. Tilothana.            |
| 13    | 19X45F0007  | CHITTA HARSHA VARDHAN      | e. Horsha Wardham        |
| 14    | 19X45F0009  | NEELAM SUNEETHA            | N. Suncetha              |
| 15    | 19X45F0011  | MALLISETTI SAI VAMSI       | m Carlengi               |
| 16    | 19X45F0014  | СНІМАТА DEЕРТНІ            | C. Deephi                |
| 17    | 19X45F0015  | GARIMIDI DHANA LAKSHMI     | G. D. Lakstoni           |
| 18    | 19X45F0016  | PARVATHANENI SOWMYA        | D. Saunya                |

Program Coordinator

HOD - MCA

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#### DAY-WISE ATTENDANCE REPORT

Academic Year: 2020-21

Commencement Date: 25-01-2021

Program Duration: 25/01/2021 to 30/01/2021

Program Title: "Android Studio App Development with Kotlin"

| CVA   | nout vo      | 25/01                        | 1/2021   | 27/0               | 1/2021        | 28/01          | /2021    | 29/01       | /2021           | 30/01         | /2021              |
|-------|--------------|------------------------------|----------|--------------------|---------------|----------------|----------|-------------|-----------------|---------------|--------------------|
| S.NO  | ROLL NO      | FN                           | AN       | FN                 | AN            | FN             | AN       | FN          | AN              | FN            | AN                 |
| 1     | 18X41F0001   | مالايمال<br>مالايمال         | Ginta    | aile               | Gidki         | Condli         | Co. Acc  | Siake       | G. Tyes         | Contra        | Bout this          |
| 2     | 18X41F0002   | Mary<br>Mary                 | want-    | Kis-               | Lioni ka      | ranta<br>-anta | K-HO     | K-Hani      | kunta<br>k.hara | V- Haud       | - Karta            |
| 3     | 18X41F0003   | S. Brown                     | Sailes   | to the             | Fritage       | hard           | 100000   | Children or |                 | Cales         | terfares           |
| 4     | 18X41F0004   | Poppal                       | Priori   | Chari              | Quani         | Buani          | Quant    | 1.1.        | Pauari          | Pauni         | Paulant            |
| 5     | 18X41F0005   | rest                         | very     | PV.                | 1 mud         | in wi          | M' alri  | M. win      | MENLY !         |               | termin             |
| 6     | 18X41F0006   | usudi                        |          | 1.16               | Swell.        |                | 14       | y chesth.   | 100 K.          | dlan          | . crush            |
| 7     | 19X45F0001   | SHE                          | KE Blown | : New              | Kalthar       | Slake          | Kallon   | KSHOW       | k.SHoras        | k & Notice of | Kellin             |
| 8     | 19X45F0002   | eeuro                        | cary     | tomi               | eledy         | easy           | 2.844    | RREAH       |                 | RHHI          | LRichy             |
| 9     | 19X45F0003   | CH. I                        | em in    | Charles<br>Charles | Ch. Up        | cxo ro         | es.      | CA.         | Criss.u         | Charle        | court.             |
| 10    | 19X45F0004   | Deepi                        |          | A. Carre           | M.            | DO:            | m        | n Decpla    | m'              | w             | M .                |
| 11    | 19X45F0005   | P. lotha                     | Platta   | 1                  | 11.35 av 17 E | Ploth          | P. latha | P-latha     | Dlatte          | P. btta       | 201-1-20           |
| 12    | 19X45F0006   | A CONTRACTOR OF THE PARTY OF | Ciloto.  | Gist,              |               | A.c.           | Victor.  | S'ION'S     | C. Coma         | Gild's        | e toplar           |
| 13    | 19X45F0007   | Horge.                       |          |                    | Harla         | Thate          | Chode    | 1 4         | Houte           |               |                    |
| 14    | 19X45F0009   | Chille<br>Chille             |          | New                | 121           | Sinut          |          | N           | Hiree-          | Sine          | Screeks            |
| 15    | 19X45F0011   | garant                       | pa.      | 100                | (Cas upd)     | Street         | cal an   | Column b    | M.              | sahruni       | Sharpai            |
| 16    | 19X45F0014   | Ve plki                      | c. A.    | C.M.               |               | c. Hi          | Sedy.    | c. He       | hegui           |               | be pl              |
| 17    | 19X45F0015   | G.D.                         | Co. D.   | 0.0                | Calegran      |                | Dr. b. + | (alestoni   | 41 1            | I WALLEY      | (n. D.<br>Caltylmi |
| 18    | 19X45F0016   | -                            | - 0      | _                  | P. S.         | 1-8-           |          | - 40        | P. Su           | P.S.          | PS.                |
| Coord | linator Sign | E.Ne                         | 2-9-8    | EN                 | 2gaps         | EN             | agre!    | E.No        | TPI             | E. 10.        | Jag.               |

HOD - MCA

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Department of Master of Computer of Applications

Date: 02-01-2022

#### Program Report

Name of the Event: An Add-on Certificate program on "Android Studio App Development with Kotlin."

Program Commenced on: 25-01-2021

Duration: 36 Hours

Program concluded on: 30-01-2021

Resource Persons:

 Dr. N. Neelima Priyanka, Associate Professor, Department of Computer Science & Engineering, SRKIT. Email: priyanka.nutulapati@gmail.com Mobile: 9985838950

Name of Coordinator: Mr. E. Naga Raju , Assistant Professor, Department of Master of Computer Applications, SRKIT.

Number of students certified/enrolled: 18/18

Objective of the Program:

The main focus of Kotlin is on security, interoperability, tooling support and clarity of code. It is faster and needs fewer lines of codes instead of other programming languages. Kotlin is both object oriented and functional programming language.

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Department of Master of Computer of Applications

#### Topics Covered:

| Day   | Topic  | Timing             |
|-------|--|--------------------|
| DAY I | Getting Started with Android Apps Using Kotlin  Introduction to Kotlin Functions Using Classes and Objects in Kotlin   | 09.30AM to 04.30PM |
| DAY 2 | Activity, User Interface and Views     Designing Layout and Handle Events     Navigating between Activities     Share Data using Explicit and Implicit Intent                                | 09.30AM to 04.30PM |
| DAY 3 | Implementing Lists and Kotlin Classes     Introduction to RecyclerView and CardView     Adding RecyclerView and CardView     Creating Adapter Class     Link RecyclerView and Custom Adapter | 09.30AM to 04.30PM |
| DAY 4 | Code Cleanup     Implementing Extension Function     Using Default Parameters     Using Companion Object and Object Declaration  | 09,30AM to 04,30PM |
| DAY 5 | Updating App Launcher Icon     Styling App: Material Design Colors     Styling App: Applying Themes  Test the App and Publish in play store  | 09.30AM to 04.30PM |

#### Outcome of Event:

Kotlin is a modern statically typed programming language used by professional Android developers that helps boost productivity, developer satisfaction, and code safety.

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## Participation Certificate

| This is to certify that Mr./Ms. Yenumula. Pavani          |                               |
|---|-------------------------------|
| of 3rd MCA  | has Participated in add on    |
| programme "Android App Development Using Kotlin" held     | from 25-01-2021 to 30-01-2021 |
| conducted by the Department of Master of Computer Applica | ations, SRKIT-Vijayawada.     |

Resource Person

Dr. N. Neelima Priyanka, Associate Professor Dept of CSE, SRKIT HoD

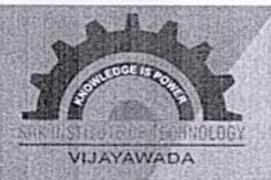
Dr D. Haritha,

Professor

Principal M Ekambaram Naidu

Professor,

Dept of CSE SRRY INSTITUTE OF TECHNOLOGIPT of CSE, SRKIT



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## Participation Certificate

| This is to certify that ? | Mr./Ms Mullamreo         | ldy. Ravindua f     | Reddy                    |
|---------------------------|--------------------------|---------------------|--------------------------|
| of3                       | rd MCA                   | has                 | Participated in add on   |
| programme "Android        | App Development Using    | Kotlin" held from   | 25-01-2021 to 30-01-2021 |
| conducted by the Dep      | artment of Master of Cor | nputer Applications | s, SRKIT-Vijayawada.     |

Resource Person

Dr. N. Neelima Priyanka, Associate Professor Dept of CSE, SRKIT MoD

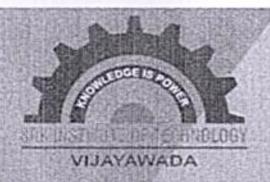
Dr D. Haritha,

Professor

Principal Pr. M Ekambaram Naidu

Professor,

Dept of CSE, SRKINSTHUTE OF TECHNOLOGIC OF CSE, SRKIT



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## Participation Certificate

| This is to certify | that Mr./Ms. Kalari . So     | ai Naveena                                   |
|--------------------|------------------------------|--|
| of                 | 3rd MCA                      | has Participated in add on                   |
| programme *An      | droid App Development Usin   | g Kotlin" held from 25-01-2021 to 30-01-2021 |
| conducted by th    | e Department of Master of Co | mputer Applications, SRKIT-Vijayawada.       |

Resource Person

Dr. N. Neelima Priyanka, Associate Professor Dept of CSE, SRKIT HoD

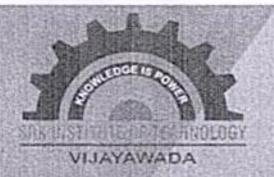
Dr D. Haritha, Professor MULLICON D

Principal

Dr. M Ekambaram Naidu

Professor,

Dept of CSE SREIT STITUTE OF TECHNOLOGIC OF CSE, SRKIT



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## Participation Certificate

| This is to certify that Mr./MsVamha     | yalapati. Swathi                                 |
|---|--|
| of 3rd MCA                              | has Participated in add on                       |
| programme "Android App Development I    | Using Kotlin" held from 25-01-2021 to 30-01-2021 |
| conducted by the Department of Master o | f Computer Applications, SRKIT-Vijayawada.       |

Resource Person

Dr. N. Neelima Priyanka, Associate Professor Dept of CSE, SRKIT HoD

Dr D. Haritha,

Professor Dept of CSE SRKIT Principal

Or. M Ekambaram Naidu

Professor,

Dept of CSE, SRKIT

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Date: 23-05-2021

#### CIRCULAR

The following Faculty members are informed to attend the meeting at IT Dept Lab on 25-05-2021 at 2:00 PM to discuss and frame curriculum and Day wise schedule for the Addon certificate program on "AWS Academy Graduate-AWS Academy Cloud Foundations"

| S.No | Faculty Name      | Designation              | Signature |
|------|-------------------|--------------------------|-----------|
| 1.   | Mr.M.Ram Bhupal   | HOD, IT                  | nan       |
| 2.   | Mr,G.D.K.Kishore  | Assistant Professor, IT  | y         |
| 3.   | Mrs,G.Sri Lakshmi | Assistant Professor, IT  | 1         |
| 4.   | Mrs.A.V.P.Sarvari | Assistant Professor, ECE | Wit.      |
| 5.   | Mrs.A.Vedasri     | Assistant Professor, IT  | volas.    |

Principal

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#### SYLLABUS

Name of the Program: "AWS Academy Graduate-AWS Academy Cloud Foundations".

| SESSION       | TOPICS OF STUDY  | DURATION |
|---------------|--|----------|
| Session - I   | Cloud Concepts Overview  Introduction to cloud computing  Advantages of cloud computing  Introduction to Amazon Web Services (AWS)  Moving to the AWS Cloud – The AWS Cloud Adoption Framework (AWS CAF      | 3hrs     |
| Session - II  | Cloud Economics and Billing  Fundamentals of pricing  Total Cost of Ownership  Billing  Technical support  | 3hrs     |
| Session - III | AWS Global Infrastructure Overview  ➤ AWS Global Infrastructure  ➤ AWS services and service category overview  | 3hrs     |
| Session - IV  | AWS Cloud Security  > AWS shared responsibility model  > AWS Identity and Access Management (IAM)  > Securing a new AWS account  > Securing accounts  > Securing data on AWS  > Working to ensure compliance | 3hrs     |
| Session - V   | Networking and Content Delivery  Networking basics  Amazon VPC  VPC networking  VPC security  Amazon Route 53  Amazon Cloud Front  | 3hrs     |
| Session - VI  | Compute Compute services overviewAmazon EC2 Amazon EC2 cost optimization   | 3hrs     |

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|                   | <ul> <li>Container services</li> <li>Introduction to AWS Lambda</li> <li>Introduction to AWS Elastic Beanstalk</li> </ul>   |      |
|-------------------|---|------|
| Session - VII     | Storage  Amazon Elastic Block Store (Amazon EBS)  Amazon Simple Storage Service (Amazon S3)  Amazon Elastic File System (Amazon EFS)  Amazon Simple Storage Service Glacier | 3hrs |
| Session -<br>VIII | Databases  > Amazon Relational Database Service (Amazon RDS)  > Amazon DynamoDB  > Amazon Redshift  > Amazon Aurora   | 3hrs |
| Session - IX      | Cloud Architecture  > Amazon Relational Database Service (Amazon RDS)  > Amazon DynamoDB  > Amazon Redshift > Amazon Aurora   | 3hrs |
| Session - X       | Automatic Scaling and Monitoring  > Elastic Load Balancing  > Amazon Cloud Watch  | 3hrs |
| Session - XI      | ➤ Amazon EC2 Auto Scaling Interaction with Resource Person  | 3hrs |



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Date: 01-06-2021

#### CIRCULAR

This is to inform to all IV B.Tech II Semester students that Dept of IT is conducting an Add-on Certificate Program titled "AWS Academy Graduate-AWS Academy Cloud Foundations". It is decided to conduct this program from 07-06-2021 to 18-06-2021 with duration of from 01:30 PM to 04:20PM under the coordination of Mrs A.VedaSri, Asst.Prof of the department. The resource person is Mrs.A.V.P.Sarvari Assistant Professor, Dept of ECE. The details of the program are displayed in the notice board, interested student can enroll their names on or before 04/06/2021

Venu: IT LAB

Principal

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#### PROGRAM SCHEDULE

Name of the Program: "AWS Academy Graduate-AWS Academy Cloud Foundations".

| S. No. | Schedule       | Time               |
|--------|----------------|--------------------|
|        | 07-06-20       | 021                |
| 1      | Session - I    | 1:30 PM TO 4:20 PM |
|        | 08-06-20       | )21                |
| 2      | Session - II   | 1:30 PM TO 4:20 PM |
|        | 09-06-20       | )21                |
| 3      | Session - III  | 1:30 PM TO 4:20 PM |
|        | 10-06-20       | 021                |
| 4      | Session - IV   | 1:30 PM TO 4:20 PM |
|        | 11-06-20       | )21                |
| 5      | Session - V    | 1:30 PM TO 4:20 PM |
|        | 12-06-20       | )21                |
| 6      | Session - VI   | 1:30 PM TO 4:20 PM |
| -11    | 14-06-20       | 021                |
| 7      | Session - VII  | 1:30 PM TO 4:20 PM |
|        | 15-06-20       | 021                |
| 8      | Session - VIII | 1:30 PM TO 4:20 PM |
|        | 16-06-20       | 021                |
| 9      | Session - IX   | 1:30 PM TO 4:20 PM |
|        | 17-06-20       | 021                |
| 10     | Session - X    | 1:30 PM TO 4:20 PM |
|        | 18-06-20       | 021                |
| 11     | Session - XI   | 1:30 PM TO 4:20 PM |

Resource Pe

Program Co-ordinator

SRK INSTITUTE OF TECHNOLOGY

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DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Year: 2020-2021

Year/Sem: IV/II

List of Students Registered for "AWS Academy Graduate-AWS Academy Cloud Foundations".

| S.NO | ROLL NUMBER | NAME OF THE STUDENT           | SIGNATURE        |
|------|-------------|-------------------------------|------------------|
| 1    | 17X41A1202  | Akkineni Sai Harini           | A. Sai-Harini    |
| 2    | 17X41A1203  | Alapati Tejaswini             | A. tejaswini     |
| 3    | 17X41A1206  | Harika Bodempudi              | B-Harika.        |
| 4    | 17X41A1207  | Bhavana Lakshmi               | B. Lakshmi       |
| 5    | 17X41A1208  | Bonthu Bhuvaneswari           | B. Bhuvaneswart. |
| 6    | 17X41A1209  | Harsha Vardhan                | Hersha widhay.   |
| 7    | 17X41A1211  | Sowmya Cherukuri              | Sumya            |
| 8    | 17X41A1213  | Farheen Begum                 | Fahren Begum     |
| 9    | 17X41A1214  | Ram Gopal Gorantia            | G. Rom Gapal     |
| 10   | 17X41A1215  | Neelima Kandikattu            | K. Nee ina       |
| 11   | 17X41A1216  | Kanneganti Abhinaya           | K. Ahhinaya      |
| 12   | 17X41A1218  | Supriya Kesari                | Supriya. R.      |
| 13   | 17X41A1221  | Lokala Girish Sri Naga Sai    | Nagasai          |
| 14   | 17X41A1222  | M Jaswanth                    | Faswanth         |
| 15   | 17X41A1223  | M Himaja                      | M. Himaja        |
| 16   | 17X41A1225  | M Sandhya                     | m. Sandhyfa.     |
| 17   | 17X41A1226  | M Mounika                     | M. Maurita       |
| 18   | 17X41A1228  | Deepika Paladugu              | Deepika          |
| 19   | 17X41A1230  | Podapala Pardha Saradhi Reddy | P. saradhi       |
| 20   | 17X41A1231  | P Navya                       | PNOVYa           |
| 21   | 17X41A1232  | P Mahesh                      | P. Makesh        |
| 22   | 17X41A1234  | P Divya sri                   | P. Divya sti     |
| 23   | 17X41A1235  | R.Venkata Lahari              | R.V. Johani      |
| 24   | 17X41A1236  | Anjum Kousar Shaik            | of Kousar Sine   |
| 25   | 17X41A1237  | Shaik Aslam                   | S. Aslane        |
| 26   | 17X41A1239  | Mehamuda Sheereen Shaik       | SK-Sheeren       |
| 27   | 17X41A1241  | S Venkata Geethika            | Sgeethika        |
| 28   | 17X41A1243  | Syed Yasmeen                  | 6. Yasmeen       |
| 29   | 17X41A1247  | V Ramya Sri                   | Ramya.v.         |

Program Coordinator

PRINCIPAL



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DEPARTMENT OF INFORMATION TECHNOLOGY

Day - Wise Attendance Sheet

Academic Year: 2020 - 2021

Course Duration:11 days

Course Commencement Date: 07-06-2021

Time: 01:30 PM to 04:20PM

Course Title: "AWS Academy Graduate-AWS Academy Cloud Foundations".

| Sno. No   | Roll Number | Day 1         | Day 2  | Day 3         | Day 4             | Day 5                                |
|-----------|-------------|---------------|--|---------------|-------------------|--------------------------------------|
| 1         | 17X41A1202  | 4-Sal Havint  | A Sattlemi   | A · Schiffoni |                   | A Salkan                             |
| 2         | 17X41A1203  | A triaspiri   | A-Htlaswini  | 1             | A-tejasaini       |                                      |
| 3         | 17X41A1206  | 8-Hagira      | the property of the party of th | BH-ento       |                   |                                      |
| 4         | 17X41A1207  | Lakshmi       |  | Latshmi       | -                 | Lak shmi                             |
| 5         | 17X41A1208  |               | Bhienraun  |               | Buchero           | -                                    |
| 6         | 17X41A1209  | Haralegizeles | maxabardariba  | Horeholding   |                   |                                      |
| 7         | 17X41A1211  | Soomun        | Soungs   | founga        | -                 | Formya                               |
| 8         | 17X41A1213  | Begun         | Begum  | Begum         | Begum             | Begun                                |
| 9         | 17X41A1214  |               | 16 Porrigo   |               | The second second | G Paner                              |
| 10        | 17X41A1215  | Weelim        | (Vec imo   | Nom           |                   |                                      |
| - 11      | 17X41A1216  |               | K'Abhiman  | Kabhirara     |                   |                                      |
| 12        | 17X41A1218  | Ciprista      | Supriya  | Supily        |                   | Supery                               |
| 13        | 17X41A1221  | Nagasa        | Nagaras  | Nashat        | Nagala:           | Nagala:                              |
| 14        | 17X41A1222  | Jasuantt      | Taswant  | 100           | 1 -               | Taxont                               |
| 15        | 17X41A1223  |               | M. Himio   | M. Hinnio     |                   | M. Hima                              |
| 16        | 17X41A1225  | M. Sandhen    | M. Sarolya   | m. Sindhy     | M.Sarokya.        | m. Sand                              |
| 17        | 17X41A1226  | 1.00          | n Munita   |               | M-Marita          |                                      |
| 18        | 17X41A1228  | Deeplka       | Deepika  |               | Depita            | -                                    |
| 19        | 17X41A1230  | P-savedhi     | Schodhi  |               | Psaradki          |                                      |
| 20        | 17X41A1231  | PNOVYO        | 2-Novya  |               | P.Novyo           |                                      |
| 21        | 17X41A1232  | P. Maherh     | P. Males   |               | P. Habah          |                                      |
| 22        | 17X41A1234  | P.Divyasi     | Polivyami  | P-Dwyatri     | PDIVYASA          | PDivyon                              |
| 23        | 17X41A1235  | PR. lakoni    | Pelaton  |               | P.E. bhani        |                                      |
| 24        | 17X41A1236  | Arouge        |  | rous          | 14                |                                      |
| 25        | 17X41A1237  | S-Aslam       | A LANGE  | S. Aslan      |                   |                                      |
| 26        | 17X41A1239  | SKSheteen     | SKSHME   | SASSAGE       | Skaterin          | 1                                    |
| 27        | 17X41A1241  | Poreethi      | ag pethiko   | gee Hile      | goethita          | A STATE OF THE PARTY NAMED IN COLUMN |
| 28        | 17X41A1243  |               | Yarma  | 10            | S. Yaons          | 151                                  |
| 29        | 17X41A1247  | Ramyn         | Kanen  | Range         | 111               | danie                                |
| Program C | o-ordin     | 0             | -01-   | 70            | 1                 | 16                                   |

ResourcePerson

HOD



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#### Day - Wise Attendance Sheet

Academic Year: 2020 - 2021

Course Duration:11 days

Course Commencement Date: 07-06-2021

Time: 01:30 PM to 04:20PM

Course Title: "AWS Academy Graduate-AWS Academy Cloud Foundations".

| Sno. No | Roll Number | Day 6            | Day 7        | Day 8                            | Day 9           | Day10  | Day11  |
|---------|-------------|------------------|--------------|----------------------------------|-----------------|--|--|
| 1       | 17X41A1202  | A-Sathan         | A Caithairí  | A Salla                          | A - Sai Horn    | A-Calllanni  | A Callet   |
| 2       | 17X41A1203  | A - Title Guilli | A teletiniai | Artionis                         | A-14 la Ciscini | A. delection   | Atécucie   |
| 3       | 17X41A1206  | Belmika          | R. Harika    |                                  | R fronta        | R.Hayika   | -  |
| 4       | 17X41A1207  | Lokshmi          | Latshmi      | -                                | Latshmi         | Latshmi  |  |
| 5       | 17X41A1208  | Charrenn         | Physicani    | Rhommer                          | Channeyor       | S Ehmanne  | Characa  |
| 6       | 17X41A1209  | Haxaber How      | Norshot die  | dayber by                        | Herealth Hosp   | Herekaling   | Parceller Us   |
| 7       | 17X41A1211  | Burnes           | Chimus       | Course                           | Sumue           | Soumer   | 2  |
| 8       | 17X41A1213  | Begum            | Regum        | Began                            | Regum           | Brait  | Benut  |
| 9       | 17X41A1214  | Et Fornkjope     | G-Par-Euro   | 6 Ftoring                        | G. Romingo      | Green Go   | 4 G. Fam   |
| 10      | 17X41A1215  | Molima           | Neclian.     | Vedino                           | Nectimo         | Wellma   | Necla  |
| 11      | 17X41A1216  | KAbhinat         | KAbhinap     |                                  |                 |  |  |
| 12      | 17X41A1218  | Surriya          | Sumue        | Suprily                          | Suprier         | Sweet  | Sugary   |
| 13      | 17X41A1221  | Nogata:          | Abgast       | the same of the same of          | Noga sat        | Magasa   | Magna;   |
| 14      | 17X41A1222  | Fisionett        | Thewants     | the second second                | Fremats         | The second second  | Treum  |
| 15      | 17X41A1223  | M. Himais        | Millimin     |                                  | M-Himia         | M. Hi mais   | MHimio   |
| 16      | 17X41A1225  | Sardhy           | Sandhi       | Sand her                         | Sarahun         | South  | Sunthe   |
| 17      | 17X41A1226  | M.Marris         | m.Mania      | -                                | M. Marinis      | M. Moniks  | 1  |
| 18      | 17X41A1228  | Deepika          | Doepika      | Deenka                           |                 | Deepita  | Danpik   |
| 19      | 17X41A1230  | Paradi           | P-taradhi    | Psoudhi                          | P-snerdhi       | P.Saradhi  | A STATE OF THE PARTY OF THE PAR |
| 20      | 17X41A1231  | PNOUYO           | P.Novya      | PNOUS                            |                 | P. Nauy  | 10   |
| 21      | 17X41A1232  | F. Haliot        |              |                                  | P. Ha Beal      | P. Halet   | 2 Hakel  |
| 22      | 17X41A1234  | P-Divyami        | PDivyasi     | p. Divyes                        | Polyasti        | Phinadi  | Phyyan   |
| 23      | 17X41A1235  | PR. bhasi        | PR. Pakani   |                                  |                 | Dr. labor  |  |
| 24      | 17X41A1236  | artaixe          |              |                                  | HAKOUSO         |  |  |
| 25      | 17X41A1237  | 3. Aslan         |              |                                  | S. Arlam        |  |  |
| 26      | 17X41A1239  | Sketting         | Sectioner.   | and the state of the state of    | Sechemen        | The same of the same of  | The second second  |
| 27      | 17X41A1241  | geethka          | geethila     | The second lines with the second | apethika        | Street, Square, St. of Street, Square, | The second second  |
| 28      | 17X41A1243  | 5-4000           | 1211         |                                  | Vagner          | 46   | Section 201  |
| 29      | 17X41A1247  | Kanta            | Knowles      | Russ                             | Thanks          | Paris  | Rames  |
| Program | Co-ordin    | 100              | E            | A                                | 20              | Ad   | 4  |

Resource Person

HOD



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DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 19-06-2021

#### Report

Name of the Program:

"AWS Academy Graduate-AWS Academy Cloud Foundations".

Duration:

33 HOURS

Timings:

01:30 PM to 4:20 PM

Resource Person:

Mrs A.V.P.Sarvari Assistant Professor Dept of ECE, SRKIT

a.v.p.sarvari@gmail.com Mobile no: 9966011426

Name of Program Coordinator: Mrs.A.Veda Sri Assistant Professor Dept of IT, SRKIT

Vedasri.avimeni@gmail.com Mobile No:8919261823

#### Number of students attended/enrolled: 29/29

In total 29/29 students of IV/II B.Tech IT students attended the program. On the last day of the program few students gave their feedback on how the training sessions helped them in improving their programming skills.

#### Course Outcomes:

- It helps learners build credibility by validating a level of Amazon Web Services cloud expertise and
- It helps organizations identify skilled professionals to lead cloud initiatives using AWS.
- Finally the students are able to know AWS Global Infrastructure and cloud security methods, and how to use storage and update data bases.
- Aws helps you digitally helps you digitally transformed and accelerate

Program Coordinator

HOD/Bale 121



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Department of INFORMATION TECHNOLOGY





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Enikepadu, Vijayawada - 521 108. (A.P.) Phone: 2843839

e-mail: srktech@gmail.com web: www.srkit.in

### PARTICIPATION

### CERTIFICATE

| This is | to certify t | hat N  | Ir./Ms      | Akkineni S   | Sai Harini     |                   |
|---------|--------------|--------|-------------|--------------|----------------|-------------------|
| of      | S            | RKI    | T           |              |                | _has Participated |
| in "A   | WS Academy   | y Grad | duate-AWS A | cademy Cloud | d Foundations" | held              |
| from    | 07-06-2021   | to     | 18-06-2021  | conducted    | by Departme    | ent of            |
| Infor   | mation Tec   | hnolo  | gy ,SRKIT-  | Vijayawada.  | THE THEFT      |                   |

Mrs.A.V.P.Sarvari, Assistant professor, Dept of ECE, SRKIT

HOD Mr.M.Ram Bhupal, Assistant professor, Dept of IT, SRKIT

Principal

Dr.M EkambaRKid Natauje OF TECHNOLOG

professor,

Dept of CSE, SKIT

ENIVERADU. VIJAYAWADA



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Enikepadu, Vijayawada - 521 108. (A.P.) Phone : 2843839

e-mail: srktech@gmail.com web: www.srkit.in

### PARTICIPATION

### CERTIFICATE

| of      | certify that I |             | The same of the same |       |            | _has Participated |
|---------|----------------|-------------|----------------------|-------|------------|-------------------|
| in "AWS | Academy Gra    | duate-AWS A | cademy Cloud         | d Fou | indations" | held              |
| from 07 | -06-2021 to    | 18-06-2021  | conducted            | by    | Departme   | nt of             |

Resource Person Mrs.A.V.P.Sarvari, Assistant professor, Dept of ECE, SRKIT

HOD Mr.M.Ram Bhupal, Assistant professor, Dept of IT, SRKIT

Principal PRINCIPAL

Dr.M Ekambarkin Natauje of TECHNOLOG

professor, ENIKEPADU, VIJAYAWAD

Dept of CSE, SKIT



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Enikepadu, Vijayawada - 521 108. (A.P.) Phone: 2843839 e-mail: srktech@gmail.com web: www.srkit.in

PARTICIPATION

### CERTIFICATE

| This is to certify that Mr./Ms |             | Ir./Ms | Bonthu Bhuvaneswari |              |       |            |                   |
|--------------------------------|-------------|--------|---------------------|--------------|-------|------------|-------------------|
| of                             |             | RKI    |                     | -            | EFA   | 2837       | _has Participated |
| in "A                          | WS Academy  | Grad   | luate-AWS A         | cademy Cloud | d For | undations" | held              |
| from                           | 07-06-2021  | to     | 18-06-2021          | conducted    | by    | Departme   | ent of            |
| Infor                          | mation Tech | nolo   | gy ,SRKIT-          | Vijayawada.  |       |            |                   |

Resource Person Mrs.A.V.P.Sarvari, Assistant professor, Dept of ECE, SRKIT

Mr.M.Ram Bhupal, Assistant professor, Dept of IT, SRKIT Principal PRINCIPAL

Dr.M Ekambarnen Nigtonute OF TECHNOLOGY

professor, ENIMERADU, VIJAYAWAD

Dept of CSE, SKIT



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### PARTICIPATION

### CERTIFICATE

| of       | SI       | KI'  | T           |              | B B C | 1000      | has Participated |
|----------|----------|------|-------------|--------------|-------|-----------|------------------|
| in "AWS  | Academy  | Grad | duate-AWS A | cademy Cloud | d Fou | ndations" | held             |
| from 07- | -06-2021 | to   | 18-06-2021  | conducted    | by    | Departme  | nt of            |

Resource Person Mrs.A.V.P.Sarvari, Assistant professor, Dept of ECE, SRKIT Mr.M.Ram Bhupal, Assistant professor, Dept of IT, SRKIT

Principal

Dr.M Ekambarain Statione of TECHNOLO

professor, ENIKEPADU, VIJAYAWADA

Dept of CSE, SKIT



Enikepadu, Vijayawada 521108

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Date: 01-04-2021

#### CIRCULAR

The following Faculty members are informed to attend the meeting on 01-04-2021 at 10.30 AM in Ground floor Seminar Hall to design the syllabus and Day wise schedule for certificate program on "ARDUINO MICROCONTROLLER PROGRAMMING USING TINKERCAD"

| S.No | Faculty Name           | Designation         | Signature    |
|------|------------------------|---------------------|--------------|
| 1    | Dr.S.Sri Gowri         | Professor & HOD     | _S. Sri Goun |
| 2    | Mr.B.S.S.Tejesh        | Assistant Professor | Th           |
| 3    | Mr.S. Nageswara Rao    | Assistant Professor | S.Nogs 12    |
| 4    | Mr.N.E.Keerthi Chandra | Assistant Professor | N.E. K. Coup |
| 5    | Ms. T. Maha Lakshmi    | Assistant Professor | H            |

PRINCIPAL

SRX INSTITUTE OF TECHNOL ENIKEPADU, VIJAYAWAD



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Date: 06-04-2021

#### CIRCULAR

All III/IV EEE Students are here by informed that Department of Electrical & Electronics Engineering is conducting a Five Day Certificate Program on "ARDUINO MICROCONTROLLER PROGRAMMING USING TINKERCAD" Mr.B.S.S.Tejesh, Assistant Professor, SRK Institute of Technology, is the Resource person. The program will be held from 08-04-2021 to 13-04-2021. All the interested students are instructed to register their names in the Department office on or before 07-04-2021.

All the registered students must attend the certificate program without fail on the above mentioned dates.

Timings: 9.00AM - 4.00PM

Venue: MPMC Lab (III Floor)

PRINCIPAL

PRINCIPAL SRX INSTITUTE OF TECHNOLOG-ENIKEPADU, VIJAYAWADA

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Date:06-04-2021

#### Week/Day-Wise Schedule

Name of the Program: "Recent Trends in Power System Engineering"

| S.NO | DAY      | DATE       | TOPICS COVERED   |
|------|----------|------------|--|
| 1    | Thursday | 08-,4-2021 | Introduction to Microcontroller Introduction to open source Technology Introduction to Arduino Uno and Tinkercad Introduction to Analog and Digital devices Introduction LED with Arduino Uno  |
| 2    | Friday   | 09-04-2021 | Interfacing Push-button with Arduino Uno     Interfacing Buzzer with Ardino Uno     Interfacing Potentiometer with Arduino Uno     Interfacing Servo motor with AArduino Uno     Interfacing DC motor with Arduino Uno                         |
| 3    | Saturday | 10-04-2021 | Introduction to Sensors Types of Sensor Introduction to LDR, PIR Interfacing LDR with Arduino Uno to develop a "Smart Street Light"  |
| 4    | Monday   | 12-04-2021 | <ul> <li>Interfacing PIR with Arduino Uno to develop a " Home Security System"</li> <li>Introduction to LM35, LCD, Ultra Sonic Sensor</li> <li>Interfacing LM35 with Arduino Unp to develop a "Smart Temperature Monitoring System"</li> </ul> |
| 5    | Tuesday  | 13-04-2021 | Interfacing Ultra Sonic Sensor with Arduino Uno<br>to develop a "Smart Blind Slick"     Mini-Project on Home Automation  |

(Mr.B.S.S.TEJESH) Resource Person S-Sni Gown

(Dr.Sri Gowri)

PRINCIPAL



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### LIST OF REGISTERED STUDENTS

Name of the Program: "ARDUINO MICROCONTROLLER PROGRAMMING USING

TINKERCAD" A.Y:2020-21

Duration: 08.04.2021 to 13.04.2021 (5 Days)

| S.No | Roll Number | Name of the Student    | Year   |
|------|-------------|------------------------|--------|
| 1    | 18X41A0201  | ADDALA PURNA JAYARAM   | IV EEE |
| 2    | 18X41A0204  | DASARI NAGA BINDU      | IV EEE |
| 3    | 18X41A0206  | KAGITHA TARUN KUMAR    | IV EEE |
| 4    | 18X41A0207  | KOTTE MAHESH           | IV EEE |
| 5    | 18X41A0208  | KUVVARAPU PRIYANKA     | IV EEE |
| 6    | 18X41A0210  | M VS NAGA SALPAVANDEEP | IV EEE |
| 7    | 18X41A0211  | PAIDIMARRI SAI HARISH  | IV EEE |
| 8    | 18X41A0212  | YALAVARTHI MOUNIKA     | IV EEE |
| 9    | 18X41A0213  | Y JASVANTH VEERU       | IV EEE |
| 10   | 19X45A0201  | K VENKATA SAI KIRAN    | IV EEE |
| 11   | 19X45A0202  | D BHARATH BHARGAV      | IV EEE |
| 12   | 19X45A0203  | MANDAVALLI DHANUSH     | IV EEE |
| 13   | 19X45A0204  | DUVVAPU MOHAN VAMSI    | IV EEE |
| 14   | 19X45A0205  | V MOHAN KALYAN         | IV EEE |
| 15   | 19X45A0206  | KOTA SWAPNA            | IV EEE |
| 16   | 19X45A0207  | KARANI NAGA VAMSI      | IV EEE |
| 17   | 19X45A0208  | CHITTOJI GURUSAI       | IV EEE |
| 18   | 19X45A0209  | KASTURI BHANU PRAKASH  | IV EEE |
| 19   | 19X45A0210  | KILAPARTHI HEMANTH     | IV EEE |

S-Nag f

HOD/Date



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Name of the Program: "ARDUINO MICROCONTROLLER PROGRAMMING USING

#### TINKERCAD"

A.Y:2020-21

Duration: 08.04.2021 to 13.04.2021 (5 Days)

| S.No | Roll Number | Name of the Student   | Year   |
|------|-------------|-----------------------|--------|
| 20   | 19X45A0211  | TARAGATURI AJAY BABU  | IV EEE |
| 21   | 19X45A0212  | C AKHIL               | IV EEE |
| 22   | 19X45A0213  | P SHANMUKHA SAI RAM   | IV EEE |
| 23   | 19X45A0214  | K JANAKI RAMAIAH      | IV EEE |
| 24   | 19X45A0215  | M. V HARSHA VARDHAN   | IV EEE |
| 25   | 19X45A0216  | CH MOHITH KUMAR       | IV EEE |
| 26   | 19X45A0217  | PANCHUMARTHI VEKATESH | IV EEE |
| 27   | 19X45A0218  | DASARI CHANDANA       | IV EEE |
| 28   | 19X45A0219  | DATTHI THANUJA        | IV EEE |
| 29   | 19X45A0220  | BUGATHA SRINIVAS      | IV EEE |
| 30   | 19X45A0221  | Y SARVESWARA RAO      | IV EEE |
| 31   | 19X45A0222  | VARTHA SUMANTH        | IV EEE |
| 32   | 19X45A0223  | SHAIK ISMAIL          | IV EEE |
| 33   | 19X45A0224  | BUKKURI RAJASEKHAR    | IV EEE |
| 34   | 19X45A0225  | MOHAMMAD JAHANGIR     | IV EEE |
| 35   | 19X45A0226  | KATTA THRINADH        | IV EEE |
| 36   | 19X45A0227  | BAYYAVARAPU SRIDEVI   | IV EEE |
| 37   | 19X45A0228  | T SIVA RAMA KRISHNA   | IV EEE |
| 38   | 19X45A0229  | MUNJETI BHASKAR RAO   | IV EEE |
| 39   | 19X45A0230  | KANAPARTHY VIJAY      | IV EEE |
| 40   | 19X45A0232  | POLU SURYA PRAKASH    | IV EEE |

Coordinator

14/4/24



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### Day-Wise Attendance Sheet

Academic Year: 2020-21 Time: 09.00AM to 04.00PM Duration: 5 days Date: 7.4.2021 to

13.4.2021

Name of the Program: "ARDUINO MICROCONTROLLER PROGRAMMING USING TINKERCAD"

| S. No | Roll Number | Day 1             | Day 2      | Day 3          | Day 4   | Day 5            |
|-------|-------------|-------------------|------------|----------------|---|------------------|
| 1     | 18X41A0201  | -Aguna            | Amura      | Ayuna          | Aroune  | Apuma            |
| 2     | 18X41A0204  |                   |            | DN-8           |   |                  |
| 3     | 18X41A0206  |                   |            | D. Toute       |   | holan_           |
| 4     | 18X41A0207  | K. Malak          | Knahoh     | k.mild         | distances the state in the property   | kemahah          |
| 5     | 18X41A0208  | K. Benda          | K. RRade   | K Baryla       | K. Bank   | K. Binaha        |
| 6     | 18X41A0210  | The second second |            | H forced       | W. 1505   | resident and the |
| 7     | 18X41A0211  | -                 |            | P.S. CHe       |   |                  |
| 8     | 18X41A0212  |                   | 173.50     | ynamn          | October State of the Control of the | 12.              |
| 9     | 18X41A0213  | Ygarwalk          | y.galank   | y gadanit      |   |                  |
| 10    | 19X45A0201  | K.D.K.            | 1.50       | Kasal.         | 1 white   | Kasti            |
| 11    | 19X45A0202  |                   |            | D phalel-      | L. Britanian  | Detute           |
| 12    | 19X45A0203  |                   |            | Mahenah        |   | Mahanco          |
| 13    | 19X45A0204  | D.M.LS            | DMis       | DIME           | omu:  | onl              |
| 14    | 19X45A0205  |                   |            | V. Holan Kolym |   | V. Man Halo      |
| 15    | 19X45A0206  |                   |            | Kisumpra       | The second second second  |                  |
| 16    | 19X45A0207  | L'Alexalian       | 1 7 7.     | Ly May Land    | 1 1   | Krayelu          |
| 17    | 19X45A0208  | c Gurusai         |            | chouse         |   | c.Cinousa        |
| 18    | 19X45A0209  |                   |            | K. Chang       |   |                  |
| 19    | 19X45A0210  | I Hamadh          | 2 Homent   |                | J. Hemank   |                  |
| 20    | 19X45A0211  | Trojagente        | Topy Enh   | 7-Ajay Enla    |   |                  |
| 21    | 19X45A0212  | tell              | Sti        | the            | del   | dell             |
| 22    | 19X45A0213  | P. Shameth        | P. sharent | P. Shamb       | P. Shank  | P. shopen        |



Enikepadu, Vijayawada 521108

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

| 23 | 19X45A0214  | Kolerati Kita          | Brank Jarah        | de Jaret Lieb                            | t. Bratis              |
|----|-------------|------------------------|--------------------|--|------------------------|
| 24 | 19X45A0215  | MVHoghe MVH            | when M. Villagher  | M. Villada<br>Vardhan                    | M.V. Houston<br>Wedton |
| 25 | 19X45A0216  | distributed in         | التامير لي عالمتاه | J. 15                                    | d. notit               |
| 26 | 19X45A0217  | F. Shkall Ble          | PHU                | P.1/04                                   | PAR                    |
| 27 | 19X45A0218  | Dichalan Dich          | nter Dechardo      | Dochod                                   | oden                   |
| 28 | 19X45A02194 | Bluit BA               | in Barin           | Barin                                    | Betrin                 |
| 29 | 19X45A0220  | DE Thomas DE           | Lange D. Thomas    | D. Thon                                  | Don                    |
| 30 | 19X45A0221  | Sandy Sur              |                    | 1. Jun 2.                                | Sung.                  |
| 31 | 19X45A0222  | sumonth vacmi          | onthisuman th      | issumonth:                               | sumanth                |
| 32 | 19X45A0223  | sk. and sk. 2          | nal skiena         | sk-small                                 | sk.93mg?               |
| 33 | 19X45A0224  | Bahrek 66              | Brand Brand        | BROPLE                                   | 5 of sek               |
| 34 | 19X45A0225  | Mel dolor mel d        | Jai ved blog       | milda                                    | md f-los               |
| 35 | 19X45A0226  | K-Tirath K-Ta          |                    |  | 1 w                    |
| 36 | 19X45A0227  | BSTIGN BS              | sidu Bsrid         | N BSIHW                                  | Bistide                |
| 37 | 19X45A0228  | T.Svalam T.Si          | a Par T.Sva Par    | oT Smalan                                | T. Siva Pa             |
| 38 | 19X45A0229  | M-Bhaskar M-Bh         |                    | S. S |                        |
| 39 | 19X45A0230  | Kuly pu                | the kny            | Kully                                    | 6 wifey                |
| 40 | 19X45A0232  | P. Caryoperack P curry | pend ramppor       | A Parryyamed                             | Pangupos               |

S Nag 12

S. SniGouni HOD/Date 14/4/21



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#### Assessment Form

| 1.     | What is Arduino?                        |  |  | 1   | 1     |
|--------|---|--|--|-----|-------|
|        | a) Programming language                 | b) Image editing software  |  |     |       |
|        | c) Open-source electronics platform     | d) Text editor   |  |     |       |
| 2.     | What is the use of the Vin pin present  | on some Arduino Boards?  |  | 1   | ]     |
|        | a) To ground the Arduino Board          | b) To power the Arduino Bo   | ard  |     |       |
|        | c) To provide a 5V output               | d) Is used for plugging in 3V  | supply   |     |       |
| 3.     | What is the microcontroller used in Ar  | rduino UNO?  |  | 1   | 1     |
|        | a) ATmega32114                          | b) AT91SAM3x8E   |  |     | 5.5   |
|        | c) ATmega2560                           | d) ATmega328p  |  |     |       |
| 4.     | Arduino IDE consists of 2 functions. V  | What are they?   |  | 1   | 1     |
|        | a) Loop() and build() and setup()       | b) Build() and loop()  |  |     |       |
|        | c) Setup() and build()                  | d) Setup() and loop()  |  |     |       |
| 5.     | What does p refer to in ATmega328p?     |  |  | 1   | 1     |
|        | a) Programmable on chip                 | b) Power-Pico  |  |     |       |
|        | c) Production                           | d) Pico-Power  |  |     |       |
| 6.     | What is the operating voltage of Atme   | ga3287   |  | 1   | 1     |
|        | a) 1.9V to 5V                           | b) 1.8V to 5.5V  |  |     |       |
|        | e) 1.1V to 5V                           | d) 12V to 9V   |  |     |       |
| 7.     | How many times does the setup() func    | tion run on every startup of the   | Arduino System   | ? [ | 1     |
|        | a) 4 b) 5                               | c) 2   | d) 1   |     | 700   |
| 8.     | How many arguments does the digital     | Read() function have?  | 12013  | 1   | 1     |
|        | a) 1 b) 2                               | c) 3   | d) 4   |     | 51    |
| 9.     | How many arguments does the analog      | The state of the s | TOTAL STATE OF THE | 1   | 1     |
|        | a) 1 b) 2                               | c) 3   | d) 4   |     |       |
| 10.    | What is the maximum number of argu      |  | n accepts?   | 1   | 1     |
|        | a) 1 b) 2                               | c) 3   | d) 4   | -   |       |
| 11.    | How many pins are present in the Ultr   |  |  | 1   | 1     |
|        | a) 1 b) 3                               | c) 2   | d) 4   |     |       |
| 12     | What kind of waves does the Ultrason    | Contains and the second | CONTRACT CONTRACT  | 1   | 1     |
|        | a) Gas b) Heat                          | c) Light   | d) Sound   | 1   | - 511 |
| 13.    | What is the full form of the LDR Sens   | Arrest .   |  | 1   | 1     |
| 111    | a) Lithium Diode Resistor               | b) Light Diaphragm Resistor  |  |     |       |
|        | e) Lithium Disk Resistor                | d) Light Dependent Resistor  |  |     |       |
| 14     | What language is a typical Arduino co   |  |  | 1   | 1     |
|        | a) C/C++ b) Java                        | c) Python  | d) Assembly  | Cod | le    |
| 15.    | Arduino Codes are referred to as        | in the Arduino IDE.  |  | -   | 1     |
|        | a) drawings b) notes                    | c) sketches  | d) links   |     |       |
| 16     | What is the use of the RESET button     |  |  | 1   | 1     |
|        | a) To restart the code present in the A |  |  |     | - 17  |
|        | b) To restore a previous version of a c |  |  |     |       |
|        | c) To erase the code present in the Arc |  |  |     |       |
|        | d) To erase the SRAM in Arduino Mic     |  |  |     |       |
| 17     | Which of the following is not a metho   |  | ligital signals?   | 1   | 1     |
| - HILL | a) Pulse Code Modulation                | b) Pulse Amplitude Modular   | The second secon |     | 1 .   |
|        | c) Pulse Width Modulation               | d) Frequency Modulation  | Tol  | - 1 | 010   |

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ENIKEPADU, VIJAYAWADA

| <ol><li>What is the use of the digitalPinToInte</li></ol> | rupt() function?                                   | 1 |
|---|--|---|
| a) To create an Interrupt Object                          | b) To delete an Interrupt Object                   |   |
| c) To map the Arduino Pin to the Inter                    | upt pin d) To invoke the Interrupt Service Routine |   |
| 19. What is the use of the MSBFIRST arg                   | ment in the shiftIn() function?                    | 1 |
| a) To denote the least significant bit                    | b) To denote the maximum number of Bits            |   |
| e) To denote the most significant bit                     | d) To denote the minimum number of bit             |   |
| 20. which software is used for creating 3d                | nodels [   | 1 |
| a)tinkercad b)photoshop                                   | c)google classroom d)tindercad                     | 1 |

S.N. Co-ordinator

HoD HoD

15 Resource Person



#### Enikepadu, Vijayawada 521168 Approved by AICTE, Affiliated to JNTUK, Kakinada (ISO 9001:2015 Certified Institution)

#### Assesment Form with answers

- 1. What is Arduino?
  - a) Programming language
  - b) Image editing software
  - c) Open-source electronics platform
  - d) Text editor
- 2. What is the use of the Vin pin present on some Arduino Boards?
  - a) To ground the Arduino Board
  - b) To power the Arduino Board
  - c) To provide a 5V output
  - d) Is used for plugging in 3V supply
- 3. What is the microcontroller used in Arduino UNO?
  - a) ATmega32114
  - b) AT91SAM3x8E
  - c) ATmega2560
  - d) ATmega328p
- 4. Arduino IDE consists of 2 functions. What are they?
  - a) Loop() and build() and setup()
  - b) Build() and loop()
  - c) Setup() and build()
  - d) Setup() and loop()
- 5. What does p refer to in ATmega328p?
  - a) Programmable on chip
  - b) Power-Pico
  - c) Production
  - d) Pico-Power
- 6. What is the operating voltage of Atmega328?
  - a) 1.9V to 5V
  - b) 1.8V to 5.5V
  - c) 1.1V to 5V
  - d) 12V to 9V
- 7. How many times does the setup() function run on every startup of the Arduino System?
  - a) 4
  - b) 5
  - c) 2
  - d) 1
- 8. How many arguments does the digitalRead() function have?
  - 1 (e
- b) 2
- c) 3

d) 4

9. How many arguments does the analogRead() function have?

- a) 1
- b) 2
- c) 3
- d) 4

| <ol> <li>What is the r</li> <li>a) 1</li> </ol>  | b) 2   | c) 3   | d) 4   | etion accepts.   |
|--|--|--|--|------------------|
| 11. How many p   | ALL OF THE PARTY O | The state of the s | The same of the sa |                  |
| a) 1   | b) 3   | c) 2   | d) 4   |                  |
| The state of the s | A STATE OF THE REAL PROPERTY.  | The second secon | nic Sensor work on?  |                  |
| a) Gas   |  | ) Heat   | c) Light   | d) Sound         |
| 13. What is the  | 100  | CONTRACTOR OF THE PARTY OF THE  | The state of the s | u) count         |
| a) Lithium D   |  | Section 19 To the Control of the Con |  |                  |
| b) Light Dia   |  |  |  |                  |
| c) Lithium D   |  |  |  |                  |
| d) Light De  |  |  |  |                  |
| 4. What langua   |  |  | ode based on?  |                  |
| a) C/C++   |  | ) Java   | c) Python  | d) Assembly Code |
| The second secon | 10   |  | in the Arduino IDE.  |                  |
| a) drawings<br>links   |  | ) notes  | e) sketches  | d)               |
| a) To restar   | t the code p   | present in th  |  |                  |
| a) To restar b) To restore c) To erase t d) To erase t 7. Which of the a) Pulse Cod c) Pulse Wie 8. What is the t a) To create b) To delete  | t the code pre-<br>e a previous<br>he code pre-<br>he SRAM in<br>following a<br>le Modulation<br>th Modulation<br>ase of the di-<br>an Interrupt<br>an Interrupt   | version of a<br>version of a<br>sent in the As<br>n Arduino M<br>is not a meth<br>on<br>ion<br>igitalPinToIn<br>t Object<br>t Object   | e Arduino code rduino icrocontroller od to convert analog signals b) Pulse Amplitude Modula d) Frequency Modulation terrupt() function?  | tion             |
| a) To restar b) To restore c) To erase t d) To erase t 17. Which of the a) Pulse Cod c) Pulse Wid 18. What is the t a) To create b) To delete c) To map t  | t the code pre-<br>e a previous<br>he code pre-<br>he SRAM in<br>following in<br>the Modulation<br>the Modulation<br>an Interrupt<br>an Interrupt<br>the Arduing   | version of a sent in the Am Arduino M is not a methon ion gitalPinToIn Object t Object   | e Arduino code rduino icrocontroller od to convert analog signals b) Pulse Amplitude Modula d) Frequency Modulation terrupt() function?  | tion             |
| a) To restar b) To restore c) To erase t d) To erase t 17. Which of the a) Pulse Cod c) Pulse Wid 18. What is the t a) To create b) To delete c) To map t d) To invoke 19. What is the t a) To denote b) To denote b) To denote b) To denote   | t the code pre-<br>e a previous<br>he code pre-<br>he SRAM in<br>following in<br>the Modulation<br>the Modulation<br>an Interrupt<br>an Interrupt<br>the Arduino<br>the Interrupt<br>the Interrupt<br>the Least sign<br>the maxim  | version of a sent in the As n Arduino M is not a methon ion ion object t Object t Object pt Service Resistant bit num number of  | e Arduino code rduino icrocontroller od to convert analog signals b) Pulse Amplitude Modula d) Frequency Modulation terrupt() function?  Interrupt pin outine gument in the shiftIn() function   | ition            |
| a) To restar b) To restore c) To erase t d) To erase t t 7. Which of the a) Pulse Cod c) Pulse Wid t 8. What is the t a) To create b) To delete c) To map t d) To invoke 19. What is the t a) To denote b) To denote c) To denote c) To denote   | t the code pre- e a previous he code pre- he SRAM in e following in e following in e Modulate the Modulate an Interrupt an Interrupt the Arduing the Interrupt the Interrupt the Least sign the maxim the the most s   | version of a sent in the As n Arduino M is not a methon ion igitalPinToIn Object t Object Pin to the I pt Service RefSBFIRST argnificant bit tum number osignificant b   | e Arduino code rduino icrocontroller od to convert analog signals b) Pulse Amplitude Modula d) Frequency Modulation terrupt() function?  Interrupt pin outine rgument in the shiftIn() function of Bits it   | ition            |
| a) To restar b) To restore c) To erase t d) To erase t 17. Which of the a) Pulse Cod c) Pulse Wid 18. What is the t a) To create b) To delete c) To map t d) To invoke 19. What is the t a) To denote b) To denote c) To denote d) To denote d) To denote  | t the code pre- e a previous he code pre- he SRAM in e following le Modulation th Modulation an Interrupt an Interrupt the Arduing the Interrupt the Least sign the maxim the most sign the minime   | version of a sent in the As n Arduino M is not a methon ion ion ion ion ion ion ion ion ion i  | e Arduino code rduino ierocontroller od to convert analog signals b) Pulse Amplitude Modula d) Frequency Modulation terrupt() function?  nterrupt pin outine gument in the shiftln() function of Bits it f bit   | ition            |
| a) To restar b) To restore c) To erase t d) To erase t d) To erase t 17. Which of the a) Pulse Cod c) Pulse Wid 18. What is the t a) To create b) To delete c) To map t d) To invoke 19. What is the t a) To denote b) To denote c) To denote c) To denote   | t the code pre- e a previous he code pre- he SRAM in following le Modulation the Modulation an Interrupt an Interrupt the Arduino the Interru use of the M the least si the maxim the most si the minimum are is used f  | version of a sent in the As n Arduino M is not a methon ion ion ion ion ion ion ion ion ion i  | e Arduino code rduino ierocontroller od to convert analog signals b) Pulse Amplitude Modula d) Frequency Modulation terrupt() function?  nterrupt pin outine gument in the shiftln() function of Bits it f bit   | ition            |

R HoD

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S.N.g. Co-ordinator

Person

PRINCIPAL SRK INSTITUTE OF TECHNOLOGY ENIKEPADU, VIJAYAWADA

M Resource



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(ISO 9001:2015 Certified Institution)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### Assesment Form

Name of the Program: "ARDUINO MICROCONTROLLER PROGRAMMING USING

TINKERCAD" A.Y:2020-21

Duration: 08.04.2021 to 13.04.2021 (5 Days)

| S.No | Roll Number | Name of the Student     | Marked<br>Obtained | Percentage<br>of Marks | Grade |
|------|-------------|-------------------------|--------------------|------------------------|-------|
| 1    | 18X41A0201  | ADDALA PURNA JAYARAM    | 16                 | 80                     | Α     |
| 2    | 18X41A0204  | DASARI NAGA BINDU       | 9                  | 45                     | FAIL  |
| 3    | 18X41A0206  | KAGITHA TARUN KUMAR     | 18                 | 90                     | A     |
| 4    | 18X41A0207  | KOTTE MAHESH            | 15                 | 75                     | A     |
| 5    | 18X41A0208  | KUVVARAPU PRIYANKA      | 8                  | 40                     | FAIL  |
| 6    | 18X41A0210  | M VS NAGA SAI PAVANDEEP | 15                 | 75                     | A     |
| 7    | 18X41A0211  | PAIDIMARRI SAI HARISH   | 17                 | 85                     | A     |
| 8    | 18X41A0212  | YALAVARTHI MOUNIKA      | 18                 | 90                     | A     |
| 9    | 18X41A0213  | Y JASVANTH VEERU        | 5                  | 25                     | FAIL  |
| 10   | 19X45A0201  | K VENKATA SAI KIRAN     | 19                 | 95                     | A     |
| 11   | 19X45A0202  | D BHARATH BHARGAV       | 8                  | 40                     | FAIL  |
| 12   | 19X45A0203  | MANDAVALLI DHANUSH      | 14                 | 70                     | В     |
| 13   | 19X45A0204  | DUVVAPU MOHAN VAMSI     | 13                 | 65                     | В     |
| 14   | 19X45A0205  | V MOHAN KALYAN          | 16                 | 80                     | A     |
| 15   | 19X45A0206  | KOTA SWAPNA             | 18                 | 90                     | A     |
| 16   | 19X45A0207  | KARANI NAGA VAMSI       | 4                  | 20                     | FAIL  |
| 17   | 19X45A0208  | CHITTOJI GURUSAI        | - 15               | 75                     | Α     |
| 18   | 19X45A0209  | KASTURI BHANU PRAKASH   | 9                  | 45                     | FAIL. |
| 19   | 19X45A0210  | KILAPARTHI HEMANTH      | 11                 | 55                     | В     |

S. D. 2

S- Srigani



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### LIST OF REGISTERED STUDENTS

Name of the Program: "ARDUINO MICROCONTROLLER PROGRAMMING USING

TINKERCAD" A.Y:2020-21

Duration: 08.04.2021 to 13.04.2021 (5 Days)

| S.No | Roll Number | Name of the Student   | Marked<br>Obtained | Percentage<br>of Marks | Grade |
|------|-------------|-----------------------|--------------------|------------------------|-------|
| 20   | 19X45A0211  | TARAGATURI AJAY BABU  | 16                 | 80                     | A     |
| 21   | 19X45A0212  | C AKHIL               | 5                  | 25                     | FAIL  |
| 22   | 19X45A0213  | P SHANMUKHA SAI RAM   | 9                  | 45                     | FAIL  |
| 23   | 19X45A0214  | K JANAKI RAMAIAH      | 12                 | 60                     | В     |
| 24   | 19X45A0215  | M. V. HARSHA VARDHAN  | 12                 | 60                     | В     |
| 25   | 19X45A0216  | CH MOHITH KUMAR       | 13                 | 65                     | В     |
| 26   | 19X45A0217  | PANCHUMARTHI VEKATESH | 14                 | 70                     | В     |
| 27   | 19X45A0218  | DASARI CHANDANA       | 7                  | 35                     | FAIL  |
| 28   | 19X45A0219  | DATTHI THANUJA        | 17                 | 85                     | A     |
| 29   | 19X45A0220  | BUGATHA SRINIVAS      | 16                 | 80                     | A     |
| 30   | 19X45A0221  | Y SARVESWARA RAO      | 13                 | 65                     | В     |
| 31   | 19X45A0222  | VARTHA SUMANTH        | 8                  | 40                     | FAIL  |
| 32   | 19X45A0223  | SHAIK ISMAIL          | 12                 | 60                     | В     |
| 33   | 19X45A0224  | BUKKURI RAJASEKHAR    | 9                  | 45                     | FAIL  |
| 34   | 19X45A0225  | MOHAMMAD JAHANGIR     | 15                 | 75                     | A     |
| 35   | 19X45A0226  | KATTA THRINADH        | 14                 | 70                     | В     |
| 36   | 19X45A0227  | BAYYAVARAPU SRIDEVI   | 13                 | 65                     | В     |
| 37   | 19X45A0228  | T SIVA RAMA KRISHNA   | 17                 | 85                     | A     |
| 38   | 19X45A0229  | MUNJETI BHASKAR RAO   | 9                  | 45                     | FAIL  |
| 39   | 19X45A0230  | KANAPARTHY VUAY       | 7                  | 35                     | FAIL  |
| 40   | 19X45A0232  | POLU SURYA PRAKASH    | 8                  | 40                     | FAIL  |

Coordinator

S. SniGoun HOD/Date

### (16) (20)



#### SRK INSTITUTE OF TECHNOLOGY

Enikepadu, Vijayawada 521108 Approved by AICTE, Affiliated to JNTUK, Kakinada (ISO 9001:2015 Certified Institution)

| 1.  | What is Arduino?   |  |  | 101                |  |  |
|-----|--|--|--|--------------------|--|--|
|     | a) Programming language  | b) Image editing software                        |  | .0-                |  |  |
|     | c) Open-source electronics platform  | d) Text editor                                   |  | INCOME.            |  |  |
| 2.  | What is the use of the Vin pin present   | on some Arduino Boards?                          |  | 181                |  |  |
|     | a) To ground the Arduino Board   | b) To power the Arduino Boar                     | d  | . 1                |  |  |
|     | c) To provide a 5V output  | d) Is used for plugging in 3V                    |  |                    |  |  |
| 3.  | What is the microcontroller used in Ar   | 101  |  |                    |  |  |
|     | a) ATmega32114   | b) AT91SAM3x8E                                   |  |                    |  |  |
|     | c) ATmega2560  | d) ATmega328p                                    |  |                    |  |  |
| 4.  | Arduino IDE consists of 2 functions, \   |  | Id1  |                    |  |  |
|     | a) Loop() and build() and setup() b) Build() and loop()                                  |  |  |                    |  |  |
|     | c) Setup() and build()   | d) Setup() and loop()                            |  |                    |  |  |
| 5.  | What does p refer to in ATmega328p?  |  |  | 1000               |  |  |
|     | a) Programmable on chip  | b) Power-Pico                                    |  | .000               |  |  |
|     | c) Production  | d) Pico-Power                                    |  |                    |  |  |
| 6.  | What is the operating voltage of Atme  | ga328?   |  | 161-               |  |  |
|     | a) 1.9V to 5V  | b) 1.8V to 5.5V                                  |  |                    |  |  |
|     | c) 1.1V to 5V  | d) 12V to 9V                                     |  |                    |  |  |
| 7.  | How many times does the setup() function run on every startup of the Arduino System? [d] |  |  |                    |  |  |
|     | a) 4 b) 5  | c) 2   | d) 1   |                    |  |  |
| 8.  | How many arguments does the digital!   | Read() function have?                            |  | lal                |  |  |
|     | a) 1 b) 2  | c) 3   | d) 4   | Marines A. D. Land |  |  |
| 9.  | How many arguments does the analog   | Read() function have?                            |  | 101                |  |  |
|     | a) 1 b) 2  | e) 3   | d) 4   |                    |  |  |
| 10. | What is the maximum number of argu-  | accepts?   | 101  |                    |  |  |
|     | a) 1 b) 2  | c) 3   | d) 4   |                    |  |  |
| 11. | How many pins are present in the Ultra   | asonic Sensor?                                   |  | 1010               |  |  |
|     | a) 1 b) 3  | c) 2   | d) 4   |                    |  |  |
| 12. | What kind of waves does the Ultrason   | ic Sensor work on?                               |  | 101                |  |  |
|     | a) Gas b) Heat   | c) Light   | d) Sound   |                    |  |  |
| 13. | What is the full form of the LDR Sens  | or?  |  | 191                |  |  |
|     | a) Lithium Diode Resistor  | <ul> <li>b) Light Diaphragm Resistor</li> </ul>  |  | u                  |  |  |
|     | c) Lithium Disk Resistor   |  | /  |                    |  |  |
| 14. | What language is a typical Arduino co  | de based on?                                     |  | 101                |  |  |
|     | a) C/C++ b) Java   | c) Python  | d) Assembly  | Code               |  |  |
| 15. | Arduino Codes are referred to as   | in the Arduino IDE.                              |  | 101                |  |  |
|     | a) drawings b) notes   | c) sketches                                      | d) links   | . /                |  |  |
| 16. | What is the use of the RESET button of   |  |  | 161                |  |  |
|     | <ul> <li>a) To restart the code present in the Ar</li> </ul>                             |  |  |                    |  |  |
|     | <ul> <li>b) To restore a previous version of a co</li> </ul>                             |  |  |                    |  |  |
|     | <ul> <li>c) To erase the code present in the Ard</li> </ul>                              |  |  |                    |  |  |
|     | d) To erase the SRAM in Arduino Mic  |  | A CONTRACTOR OF THE PARTY OF TH |                    |  |  |
| 17. | Which of the following is not a method   |  | The second secon | 101                |  |  |
|     | a) Pulse Code Modulation   | <ul> <li>b) Pulse Amplitude Modulatio</li> </ul> | n  |                    |  |  |
|     | c) Pulse Width Modulation  | d) Frequency Modulation                          |  |                    |  |  |





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| 1,  | What is Arduino?   |  |  | ICI /  |
|-----|--|--|--|--------|
|     | a) Programming language  | b) Image editing software  |  |        |
| 2.  | c) Open-source electronics platform  | d) Text editor   |  |        |
| •   | What is the use of the Vin pin present<br>a) To ground the Arduino Board   |  | 20.  | ICIZ   |
|     | c) To provide a 5V output  | <ul> <li>b) To power the Arduino Bo</li> <li>d) Is used for plugging in 3V</li> </ul>  |  |        |
| 3.  | What is the microcontroller used in A  | 111 1  |  |        |
|     | a) ATmega32114   | b) AT91SAM3x8E   |  | 101    |
|     | c) ATmega2560  | d) ATmega328p  |  |        |
| 4.  | - BETTER 1 1 - TOTAL   | 16.  |  |        |
|     | a) Loop() and build() and setup()  | 191  |  |        |
|     | c) Setup() and build()   | b) Build() and loop()<br>d) Setup() and loop()   |  |        |
| 5.  | 그리는 이 경으로 타고 내지를 대한 하는 것이 맛있다면 하는 것이 없는 것이 없었다면 다른 것이 없다면 다른 것이다.  | 101 /  |  |        |
|     | a) Programmable on chip  | b) Power-Pico  |  | 1C1 2  |
|     | c) Production  | d) Pico-Power  |  |        |
| 6   | What is the operating voltage of Atmo  |  |  | 111    |
| ٥.  | a) 1.9V to 5V  | Wild Control of the C |  | 161    |
|     | c) 1.1V to 5V  | b) 1.8V to 5.5V  |  |        |
| 7   |  | d) 12V to 9V   | 1-1-1  | 2111   |
| **  | How many times does the setup() fund<br>a) 4 b) 5  | The state of the s | A CONTRACTOR OF THE PARTY OF TH | n? [d] |
| 8   | How many arguments does the digital  | c) 2   | d) 1   | 101    |
|     | a) 1 b) 2  |  |  | [0]    |
| a   | How many arguments does the analog   | c) 3   | d) 4   | 101 1  |
| ,   |  |  |  | (a).   |
| 10  | a) 1 b) 2<br>What is the maximum number of argu  | c) 3   | d) 4   | 101    |
|     | a) 1 b) 2  |  | 10   |        |
| 11  | How many pins are present in the Ultr  | c) 3   | d) 4   | 11.    |
| ••• | a) 1 b) 3  | 1000   |  | lai    |
| 12  | What kind of waves does the Ultrason   | c) 2   | d) 4   |        |
|     | a) Gas b) Heat   |  | 0.51   | 91     |
| 13  | What is the full form of the LDR Sens  | c) Light   | d) Sound   | 100    |
|     | a) Lithium Diode Resistor  |  | . 716.26   | 19     |
|     | c) Lithium Disk Resistor   | b) Light Diaphragm Resistor  |  |        |
| 1.1 | What language is a typical Arduino co  | d) Light Dependent Resistor  |  | 101 -  |
|     |  |  |  | 101-   |
| 15  | The same of the Principle of the Same of t | c) Python  | d) Assembly  | Code   |
| 13. | Arduino Codes are referred to as<br>a) drawings b) notes   |  | 0.00   | 10/    |
| 16  | What is the use of the RESET button of   | c) sketches  | d) links   | 101    |
| 10. |  |  |  | lai,   |
|     | a) To restart the code present in the Ar   |  |  |        |
|     | b) To restore a previous version of a c  |  |  |        |
|     | c) To erase the code present in the Arc  |  |  |        |
| 17  | d) To erase the SRAM in Arduino Mic  |  |  | .1.    |
|     | Which of the following is not a metho  | 그렇게 하다 하다. 나는 아니를 되었다면 하는 것이 하는 것이 없는 사람들이 되었다면 하다 없다.   | The state of the s | 101    |
|     | a) Pulse Code Modulation   | b) Pulse Amplitude Modulat   | ion  | 1      |
|     | c) Pulse Width Modulation  | d) Frequency Modulation  |  | . /    |

PRINCIPAL



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| 1.   | What is Arduino?  |  |  | 10        |
|------|---|--|--|-----------|
|      | a) Programming language   | b) Image editing software  |  |           |
|      | c) Open-source electronics platform   | d) Text editor   |  |           |
| 2.   | What is the use of the Vin pin present  | on some Arduino Boards?  |  | 161       |
|      | a) To ground the Arduino Board  | b) To power the Arduino Box  | rd   | .0.       |
|      | c) To provide a 5V output   | d) Is used for plugging in 3V  |  |           |
| 3.   | What is the microcontroller used in Arduino UNO?  |  |  | 1d1       |
|      | a) ATmega32114  | b) AT91SAM3x8E   |  |           |
|      | c) ATmega2560   | d) ATmega328p  |  |           |
| 4.   | Arduino IDE consists of 2 functions. \  |  |  | 161 2     |
|      | a) Loop() and build() and setup()   | b) Build() and loop()  |  |           |
|      | c) Setup() and build()  | d) Setup() and loop()  |  |           |
| 5.   | What does p refer to in ATmega328p?   |  |  | 111 0     |
|      | a) Programmable on chip   | b) Power-Pico  |  | 10.1      |
|      | c) Production   | d) Pico-Power  |  |           |
| 6.   | What is the operating voltage of Atme   |  |  | 161       |
|      | a) 1.9V to 5V   | b) 1.8V to 5.5V  |  | 101       |
|      | c) 1.1V to 5V   | d) 12V to 9V   |  |           |
| 7.   | How many times does the setup() func  |  | Arduino System   | 2101      |
| 185  | a) 4 b) 5   | c)2  | d) 1   | 100       |
| 8.   | How many arguments does the digital   |  |  | 101       |
|      | a) 1 b) 2   | c) 3   | d) 4   | 144       |
| 9.   | How many arguments does the analog  |  | 0)4  | la)       |
| 80   | a) 1 b) 2   | d) 4   | 100  |           |
| 10.  | What is the maximum number of argu  | 14-  |  |           |
| SELL | a) 1 b) 2   | c) 3   | d) 4   | 1 6       |
| 11.  | How many pins are present in the Ultr   | The state of the s | -  | 1012      |
|      | a) 1 b) 3   | c) 2   | d) 4   | ICIA      |
| 12   | What kind of waves does the Ultrason  | 1000,000   | 0)4  | [d]       |
|      | a) Gas b) Heat  | c) Light   | d) Sound   | 101       |
| 13   | What is the full form of the LDR Sens   |  | d) Sound   | 101       |
|      | a) Lithium Diode Resistor   | b) Light Diaphragm Resistor  |  | 101       |
|      | c) Lithium Disk Resistor  | d) Light Dependent Resistor  |  |           |
| 14   | What language is a typical Arduino co   |  |  | 10.1      |
|      | a) C/C++ b) Java  | c) Python  | d) Assamble  | OLD TOTAL |
| 15   | Arduino Codes are referred to as  | in the Arduino IDE.  | d) Assembly  |           |
| ***  | a) drawings b) notes  | c) sketches  | d) links   | 1012      |
| 16   | What is the use of the RESET button of  |  | d) links   | 1612      |
| 10.  |   |  |  | la-       |
|      | <ul><li>a) To restart the code present in the Ar</li><li>b) To restore a previous version of a common of a common</li></ul> |  |  |           |
|      | 그 전투하다 하다 살아 있다. 하는 아무리는 이렇게 되었다면 하는 사람이 되었다면 하는데 살을 내려가 먹다.  |  |  |           |
|      | c) To erase the code present in the Ard   |  |  |           |
| 12   | d) To erase the SRAM in Arduino Mic   | COLUMN TO THE PROPERTY OF THE  |  |           |
| 11.  | Which of the following is not a metho   | 얼마님 이 아이는 아이를 하나 살아 보다 하는 것이 없는 것이 없는데 나를 하는데 없었다. 그 없는데 얼마나 하는데 없다면 하 | the second secon | 1619      |
|      | a) Pulse Code Modulation  | b) Pulse Amplitude Modulatio   | n  |           |
|      | c) Pulse Width Modulation   | d) Frequency Modulation  |  |           |

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| 1.  | What is Arduino?   |  |                | 10    | -  |
|-----|--|--|----------------|-------|----|
|     | a) Programming language  | b) Image editing software                    |                | . —   |    |
|     | c) Open-source electronics platform  | d) Text editor                               |                |       |    |
| 2.  | - 12.1 G [1.2 G 1.4 G 1.4 G 1.5 G  |  |                |       | _  |
|     | a) To ground the Arduino Board   | b) To power the Arduino Boar                 | d              | (P)   |    |
|     | c) To provide a 5V output  | d) Is used for plugging in 3V s              |                |       |    |
| 3.  | What is the microcontroller used in Arduino UNO?   |  |                |       | 2  |
|     | a) ATmega32114   | b) AT91SAM3x8E                               |                | 191   |    |
|     | e) ATmega2560  | d) ATmega328p                                |                |       | -  |
| 4.  | Arduino IDE consists of 2 functions. What are they?  |  |                |       |    |
|     | a) Loop() and build() and setup()  | b) Build() and loop()                        |                | [9]   |    |
|     | e) Setup() and build()   | d) Setup() and loop()                        |                |       |    |
| 5.  | What does p refer to in ATmega328p   |  |                | Idl   |    |
|     | a) Programmable on chip  | b) Power-Pico                                |                |       |    |
|     | c) Production  | d) Pico-Power                                |                |       |    |
| 6.  | What is the operating voltage of Atmo  |  |                | 111.  | 1  |
|     | a) 1.9V to 5V  | b) 1.8V to 5.5V                              |                | 1011  |    |
|     | e) 1.1V to 5V  | d) 12V to 9V                                 |                |       | 2  |
| 7.  | How many times does the setup() fund   |  | rduino System' | 11    |    |
|     | a) 4 b) 5  | c) 2   | d) 1           | 101   |    |
| 8.  | How many arguments does the digital  | 11.76.7                                      | -, .           | 104   |    |
| 774 | a) 1 b) 2  | c) 3   | d) 4           | 10-1  |    |
| 9.  | How many arguments does the analog   |  | -, -           | 1 at  |    |
|     | a) 1 b) 2  | c) 3   | d) 4           | 1.54  |    |
| 10. | What is the maximum number of argu-  |  |                | 101   |    |
|     | a) 1 b) 2  | c) 3   | d) 4           |       |    |
| 11. | How many pins are present in the Ultr  |  | 700            | 101   | 1  |
|     | a) 1 b) 3  | c) 2   | d) 4           | 1 - 1 |    |
| 12  | . What kind of waves does the Ultrason   |  | -              | 1.11  | /  |
|     | a) Gas b) Heat   | c) Light                                     | d) Sound       | a     |    |
| 13. | What is the full form of the LDR Sens  |  | C. 12600 D.    | 1.41  |    |
|     | a) Lithium Diode Resistor  | b) Light Diaphragm Resistor                  |                | r CIT |    |
|     | c) Lithium Disk Resistor   |  |                |       |    |
| 14. | What language is a typical Arduino co  | d) Light Dependent Resistor<br>ade based on? |                | 141   | 2  |
|     | a) C/C++ b) Java   | c) Python                                    | d) Assembly    | Code  |    |
| 15. | Arduino Codes are referred to as   | in the Arduino IDE.                          | 4,11           | 10    | /  |
| .00 | a) drawings b) notes   | c) sketches                                  | d) links       | 10    | -  |
| 16. | What is the use of the RESET button of   |  | .,             | lal   |    |
|     | a) To restart the code present in the Arduino  |  |                |       |    |
|     | b) To restore a previous version of a code   |  |                |       |    |
|     | c) To erase the code present in the Arduino  |  |                |       |    |
|     | d) To crase the SRAM in Arduino Mi   |  |                |       | -1 |
| 17. | Which of the following is not a metho  |  | ital signals?  | ICI   | 9  |
|     | a) Pulse Code Modulation   | b) Pulse Amplitude Modulatio                 |                |       |    |
|     | c) Pulse Width Modulation  | d) Frequency Modulation                      |                |       | 1  |
|     | and the second s |  |                |       |    |

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Enikepadu, Vijayawada 521108 Approved by AICTE, Affiliated to JNTUK, Kakinada (ISO 9001:2015 Certified Institution) DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Date: 17-04-2021

#### PROGRAM REPORT

Name of Program: the

A Five Day Certificate Program on "ARDUINO

MICROCONTROLLER PROGRAMMING USING

TINKERCAD"

Date / Duration

: 08-04-2021 to 13-04-2021 (Five Days)

Resource Person

: Mr.B.S.S.TEJESH, M.Tech. Assistant Professor, ECE.

Name of Coordinator : Mr.S.Nageswara Rao

Number of Students enrolled/Completed: 40/26

Program Objectives

: The objectives of this program is to introduce participants to build

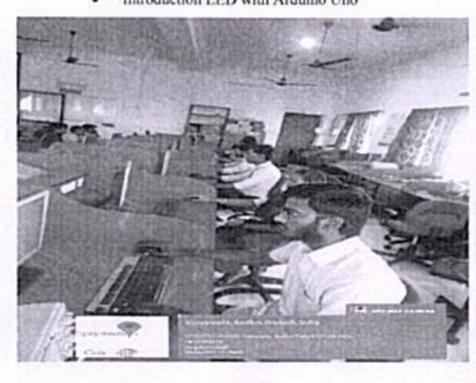
embedded system projects using Arduino

Topics Covered

: The following topics were discussed in this certificate program

Day1:

- Introduction to Microcontroller
- Introduction to open source Technology
- Introduction to Arduino Uno and Tinkercad
- Introduction to Analog and Digital devices
- Introduction LED with Arduino Uno



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Day2:

- Interfacing Push-button with Arduino Uno
- Interfacing Buzzer with Ardino Uno
- Interfacing Potentiometer with Arduino Uno
- Interfacing Servo motor with AArduino Uno
- Interfacing DC motor with Arduino Uno



Day3:

- Introduction to Sensors
- · Types of Sensor
- Introduction to LDR, PIR.
- Interfacing LDR with Arduino Uno to develop a "Smart Street Light"





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#### Day4:

- Interfacing PIR with Arduino Uno to develop a "Home Security System"
- Introduction to LM35, LCD, Ultra Sonic Sensor
- Interfacing LM35 with Arduino Unp to develop a "Smart Temperature Monitoring System"



#### Day5:

- Interfacing Ultra Sonic Sensor with Arduino Uno to develop a "Smart Blind Slick"
- Mini-Project on Home Automation



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Program Outcome

: The workshop is intended to facilitate the students to acquire Knowledge about what is Arduino Programming, its basic concepts, keywords and to understand the way by which the Arduino can communicate with devices and sensors. Students can build their own prototypes using Arduino.

S.Nagz-12 Coordinator S-SV1 Gow HOD/Date 14 [4] 21



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## CERTIFICATE OF APPRECIATION

This is certify that Mr / Ms / Mrs ADDALA PURNA JAYARAM bearing Roll Number 18X41A0201 of SRK Institute of Technology has attended the Five Day Certificate Program on "ARDUINO MICROCONTROLLER PROGRAMMING USING TINKERCAD" organized by the Department of EEE from 08-04-2021 to 13-04-2021

S. Sri Gowri

Dr.S. Sri Gowri HOD KINSTITUTE OF TECHNOLOGY

Dr.M.Ekambaram Naidu Principal

( welled



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## CERTIFICATE OF APPRECIATION

This is certify that Mr / Ms / Mrs Y SARVESWARA RAO bearing Roll Number 19X45A0221 of SRK Institute of Technology has attended the Five Day Certificate Program on "ARDUINO MICROCONTROLLER PROGRAMMING USING TINKERCAD" organized by the Department of EEE from 08-04-2021 to 13-04-2021

\_S. Sri GOWYI Dr.S. Sri Gowri HOD

Dr.M.Ekambaram Naidu Principal

E muliete



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## CERTIFICATE OF APPRECIATION

This is certify that Mr / Ms / Mrs T SIVA RAMA KRISHNA
bearing Roll Number 19X45A0228 of SRK Institute of Technology has
attended the Five Day Certificate Program on "ARDUINO
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organized by the Department of EEE from 08-04-2021 to 13-04-2021

Dr.S. Sri Gowri HOD Dr.M.Ekambaram Naidu Principal

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### CERTIFICATE OF APPRECIATION

This is certify that Mr / Ms / Mrs PAIDIMARRI SAI HARISH
bearing Roll Number 18X41A0211 of SRK Institute of Technology has
attended the Five Day Certificate Program on "ARDUINO
MICROCONTROLLER PROGRAMMING USING TINKERCAD"
organized by the Department of EEE from 08-04-2021 to 13-04-2021

Dr.S. Sri Gowri HOD Dr.M.Ekambaram Naidu Principal

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Date: 31-03-2021

#### CIRCULAR

The following Faculty members are informed to attend the meeting at Electronics and Communication Engineering Department office on 01-04-2021 at 2:00 PM to discuss and frame curriculum and Day wise schedule for the certificate program on "ARDUINO Programming and Interfacing"

| S.No | Faculty Name       | Designation         | Signature    |
|------|--------------------|---------------------|--------------|
| 1    | Dr.S.Sri Gowri     | Professor & HOD     | S. Sni Gours |
| 2    | Mr. B.S.S.Tejesh   | Assitant Professor  | · oh         |
| 3    | Mr.P.Ratna Bhaskar | Assitant Professor  | ghel.        |
| 4    | Mr. D.Ravi Tej     | Assistant Professor | 2000         |

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Date: 1-4-2021

#### CIRCULAR

All the IV/IV B. Tech students are here by informed that, Department of Electronics and Communication Engineering is conducting an Certification program on "ARDUINO Programming and Interfacing". The resource person is Mr. B.S.S.Tejesh, Assistant Professor, Department of Electronics and Communication Engineering. The program to be held from 12-4-2021 to 17-4-2021. The details of the program are displayed in the notice board. All the interested students are instructed to contact Mr.D.Ravi Tej , Assistant Professor, Department of Electronics and Communication Engineering, on or before 8-4-2021. All the registered students must attend the program and complete the course.

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Circulated to:

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

Date: 02-04-2021

#### Day-Wise Schedule

Name of the Program: "ARDUINO Programming and Interfacing"

Academic Year: 2020-21

Program Duration: 12-04-2021 to 17-04-2021

Time: 09:00AM to 05:00PM

| S.NO | DAY       | DATE       | TOPICS  |
|------|-----------|------------|---|
| 1    | Monday    | 12-04-2021 | Introduction to open source hardware and software,<br>Introduction to ARDUINO UNO, using of digital output<br>pins, digital input pins, analog output pins, analog input<br>pins. |
| 2    | Wednesday | 14-04-2021 | Introduction to I2C, SPI, UART communication.   |
| 3    | Thursday  | 15-04-2021 | Interfacing LED , Buzzer, Pushbutton, Potentiometer to<br>ARDUINO UNO   |
| 4    | Friday    | 16-04-2021 | Interfacing PIR sensor, LM35, DHT11, Ultrasonic sensor to ARDUINO UNO.  |
| 5    | Saturday  | 17-04-2021 | Interfacing LCD , Bluetooth, OLED to ARDUING UNO. Prototype development on Smart Home Automation, Environmental Monitoring.   |

24

Resource Person

HOD

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

#### List of Students Enrolled

Academic Year: 2020-21

Certificate Program on "ARDUINO Programming and Interfacing"

| S.No | Roll Number | Name Of The Student          | Signature      |  |
|------|-------------|------------------------------|----------------|--|
| 1    | 18X41A0401  | ABDUL RIHANA GULSHAN         | A PihanoGulsha |  |
| 2    | 18X41A0402  | ABDUL YASMIN                 | A. Yamin.      |  |
| 3    | 18X41A0403  | AKURATHI VEDA NAGAVALLI      | A. veda Nagas  |  |
| 4    | 18X41A0404  | ANNABATHULA ANIL KUMAR       | Anitum         |  |
| 5    | 18X41A0420  | KETHAVATHU DEEPTHI           | K. Deepter     |  |
| 6    | 18X41A0421  | KODALI SUNEEL                | K-Sureel       |  |
| 7    | 18X41A0422  | KONAKANCHI ABHINAV           | * Abhina       |  |
| 8    | 18X41A0423  | KOPPARTHI KUMAR SAI SREE RAM | K. Kumar Sa?   |  |
| 9    | 18X41A0424  | KORNALA MOUNIKA              | K.Mounika      |  |
| 10   | 18X41A0453  | DARAM ABHISHEK               | D. Abhishek    |  |
| 11   | 18X41A0454  | THURIMELLA KUSHAN SAI        | T. Kylan Sai   |  |
| 12   | 18X41A0455  | GALIPALLI PAVAN KUMAR        | asian menas    |  |
| 13   | 18X41A0457  | VEMPATI GEETHIKA             | V. Geedliba    |  |
| 14   | 18X41A0458  | VENKATESWARAN SEENIVASAN     | VSaniverson    |  |
| 15   | 18X41A0461  | A BABY PUSHPA SRI            | Puhpaden       |  |
| 16   | 18X41A0462  | ANDE SRI VAISHNAVI           | Veise          |  |
| 17   | 18X41A0463  | ANDE TEJO VINNY              | Vr. 1.7.       |  |
| 18   | 18X41A0464  | ANUMOLU JAGADEESWAR          | Toxoleem       |  |

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ENGINEERING

| S.No | Roll Number | Name Of The Student         | Signature                  |
|------|-------------|-----------------------------|----------------------------|
| 19   | 18X41A0465  | ARJI VEERA SIVANI           | AV. Strong                 |
| 20   | 18X41A0472  | DOKKU JHANSI RANI           |                            |
| 21   | 18X41A0473  | VETA VENNELA                | D. Homel Rom<br>V. Vennela |
| 22   | 1,8X41A0474 | GOTTUMUKKALA SASI SRI       | G. Sanisri                 |
| 23   | .18X41A0478 | KATTA SAI CHARAN            | K. Sachoron                |
| 24   | J8X41A0479  | KOLAKALURI RAVEEN           | 4. Ravery                  |
| 25   | -18X41A0488 | MELAM MOUNIKA BHARGAVI      | M·M·Bhaigav                |
| 26   | 18X41A0489  | MOPURI PRASAD REDDY         | m. Prantieta               |
| 27   | 18X41A0490  | NARAYANAPURAPU VIJAYA REKHA | Najaya Roll                |
| 28   | 18X41A0491  | NARUMANCHI DURGA SRI LASYA  | N.D.S langa                |
| 29   | 18X41A0492  | P MANIKANTA                 | Panitant                   |
| 30   | 18X41A0493  | PAMMI DEVI VARUN TEJA       | SAN                        |
| 31   | 18X41A0497  | POKALA LAKSHMI GOWRI        | Platshmi                   |
| 32   | 18X41A0498  | DAPPILI MADHU PAVAN KUMAR   | D. Madho                   |
| 33   | 18X41A0499  | SHAIK SHAHABAZ              | ER Shahato                 |

Program Coordinator

HOD

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# BAK INSTITUTE OF TECHNOLOGY VALAYAMADA

#### SRK INSTITUTE OF TECHNOLOGY

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ENGINEERING

#### DAY-WISE ATTENDANCE REPORT

Academic Year: 2020-21

Commencement Date: 12-04-2021

Program Duration: 12-04-2021 to 17-04-2021

Program Title: "ARDUINO Programming and Interfacing"

| s. | CONTRACTOR OF A | 12/4/2   | 2021                | 14/4         | /2021  | 15/04  | /2021               | 16/04     | /2021              | 17/04               | /2021    |
|----|-----------------|--|---------------------|--------------|--|--|---------------------|-----------|--------------------|---------------------|----------|
| No | ROLL NO         | FN   | AN                  | FN           | AN   | FN   | AN                  | FN        | AN                 | FN                  | AN       |
| 1  | 18X41A0401      | Atilhana   | Galler              | Africa       | AP HOUSE   | Aprilana,  | Athora              | appear    | Apiron             | Applicano           | Maray    |
| 2  | 18X41A0402      | Ayoun  | A Yasi              | 0.1889997    | A-hu-o   | ** C **  |                     | 12000     | A. yarr            | Dyens               | nai      |
| 3  | 18X41A0403      | A. Vela  | A-veda              | A Vida       | A vyda<br>Vaeli  | A-Veda<br>Nongo  | A veda<br>Vogavalli | A ve ha   | d vada<br>vagavdir | n-redaings<br>valle | A wed    |
| 4  | 18X41A0404      | A. Aui)  | AAui)               | and the same | (VALANTA)  | A.Ani)   | Ahil                | (in A.K   | Aduil              | (inte A             | Putch    |
| 5  | 18X41A0420      | K. Deeph   | k Deepthi           | KDuphi       | k Doghi  | e Deephus  | k.Doeptei           | k Deep Ri | k Dugth            | EDepthi.            | k-Deep   |
| 6  | 18X41A0421      | K. Sweet   | K-Survel            | 1. Sorel     | t-Sweet  | k-Swieel   | K-Swiret:           | KSuneel.  | Kaunel             | K. Sworel           | k-Son    |
| 7  | 18X41A0422      | chars  | MANNE               | Mores        | Money  | MAN MY   | MAN                 | Mysex     | FURES              | MARK                | A page   |
| 8  | 18X41A0423      | k Keral Sal  | Kikan Sat           | kku Sos      | Kx So  | Uk So  | X-Kon Sal           | KK Co     | Kk-Co.             | K-k 8:              | kk.      |
| 9  | 18X41A0424      |  | Line and the second |              | 100000000000000000000000000000000000000  | A STATE OF THE STA | KHounta             | KHOUNIA   | KHanita            | t.Hourisb           | KHUPI    |
| 10 | 18X41A0453      | D Abhille  | DANN                | DANISH       | Dyamini  | PAGINE   | PARKISHE            | DANGH     | DABAR              | POLLE               | Doug     |
| 11 | 18X41A0454      | T. taylogs   |                     |              |  | 1  | Theylow             |           |                    | tight sai           | trylog   |
| 12 | 18X41A0455      | Annual Control of the |                     |              | Annual Control of the |  | MANNER              |           |                    | L. Gerral           |          |
| 13 | 18X41A0457      | VGechita   | VGadlib             | VGedlib      | Varhile  | V-Gerlita  | V Gerllike          | VGeolik   | V-Gelle            | V Gellete           | V-Geelli |
| 14 | 18X41A0458      | 1 Spir   | VS-                 | V.Sur        | V.Su   | v. Su  | V.Sw                | V,Su      | Vien               | V.Seu               | VSan     |
| 15 | 18X41A0461      | Porton   | Parky               | Puty         | Dur  | Muze   | Thos                | Dely      | Patr               | Mesty               | Porty    |
| 16 | 18X41A0462      | Vargh  | legen               | wash         | Winh   | R  | P                   | Banh      | bout               | Vann                | 1000     |
| 17 | 18X41A0463      | Vin  | Vin                 | Vin          | Vinni  | Van  | Von                 | Vim       | (1)                | ilin                | 1/2      |

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| _  |                    |              | _         |           |  |            |           |             |           | , ,          | ,          |
|----|--------------------|--------------|-----------|-----------|--|------------|-----------|-------------|-----------|--------------|------------|
| 18 | 18X41A0464         | Freder       | 1. 1904   | Freh      | Fred   | Toler      | Pyder     | Topd        | Toplat    | Joyda        | Josed      |
| 19 | 18X41A0465         | X.V.ShanP    | XV.Shans  | AVENENT   | YARON  | AVENON     | Avstant   | Jv. Swi     | Asiant    | Av Sind      | AVSION     |
| 20 | 18X41A0472         | o ghangeni   | o thensi  | Deharat   | o stari  | D ofhersi  |           | D. yhars    | D-dhawi   | b offices.   | odka       |
| 21 | 18X41A0473         | V desiral.   | V. Vomb   | V Umler   | Mart   | V-Vende    | V. Venely | V. Variable | Vilenty.  | V Mark.      | Viendy     |
| 22 | 18X41A0474         | G.Satiles    | G. Sastin | G Cabbo   | CSULED.  | 650,650    |           |             | Gentish   | 6. Salls     | Exhiber.   |
| 23 | 18X41A0478         | Kropy        | McCoper   | Acham     | Kitholy  | k. chornel | tchoron   | is Choose   | k.chawy   | k chow       | Kepons     |
| 24 | 18X41A0479         | * Karny      | of Rom    | Mario     | ok faren                                       |            | K. Raven  | Klavin      | Kofara    | Klaren       | T. Rares   |
| 25 | 18X41A0488         | M-M-Bhogg    | molage    | MH B FOR  | H-M-digy                                       | mm-Bharg   | marthagan | WA STOR     | Marcharth | Man elected  | M. M. OLES |
| 26 | 18X41A0489         | n. Participy | n. Clery  | w. Progra | 11. Part                                       | H. 1845)   | modely    | To Post d   |           | ח. פוניא     | - Picus    |
| 27 | 18X41A0490         | William !    | Though    | Milaka    | 17. 17. 14. 14. 14. 14. 14. 14. 14. 14. 14. 14 | N.Vijor    | Delta     | DATION      | anijay.   | BUL          | Rillian    |
| 28 | 18X41A0491         | Nos laya     | N.D.Slay  | Moslary   | Nochy  | N.D. lask  |           | Norther     | Nachuy    | 7-2-0        | N-Oslas    |
| 29 | 18X41A0492         | Phistoly     | Politic   | PRIOTA    | Charles K                                      | " Calleda  |           | كلعالمتا    | Dinb      | Dunkak       | الله الم   |
| 30 | 18X41A0493         | Sha          | Alu.      | DAZ       | DKL  | DIL        | Sola      | Skus        | Dutes     | Offen        | Sik        |
| 31 | 18X41A0497         | P.L.         | Br.       | BT.       | b.T  | PACIO      | b7.       | P. J.       | P.L.      | D.L.<br>Goin | P.L.       |
| 32 | 18X41A0498         | Dunly        | Quelo     | Whole     | Dock   | Whatle     | Inonly    | Dudh        | Month     | 1            | Anoth      |
| 33 | 18X41A0499         | SKStof       | 3434      | ekel      | evel   | -SKSLI     | SINGL.    | ares        | evel      | ep you       | 384        |
| Co | oordinator<br>Sign | -A           |           | A)        | _  | 0          |           | 0           |           | -            | -          |

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

Date: 19-4-2021

#### PROGRAM REPORT

Name of the Program

: Five day certification course on "ARDUINO Programming and

Interfacing"

Date

: 12-04-2021 to 17-04-2021

Resource Person

: Mr. B.S.S.Tejesh, Assistant Professor, Department of Electronics

and Communication Engineering, Mobile No: 9177049049

Number of Participants

: 33

Program Objective

: The objective of this program is to educate the students about

ARDUINO platform concepts, Interfacing mechanisms and

various applications in real time.

Topics Covered

: The topics covered in this program are

ARDUINO UNO Overview

· Pin configurations

· Interfacing mechanism

PIR sensor, DHT11 usage

Interfacing with Buzzers, LED etc.

Developing Home Automation prototype.

Program Outcome

: Completing this course should provide the students with a good Understanding of ARDUINO operations and its interfacing with various peripherals and various real time applications.

**Program Coordinator** 

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## CERTIFICATE

| his is to certify that Mr./Ms                                  |                                |                               |
|--|--------------------------------|-------------------------------|
| bearing Roll No  | 1AOUDZ has part                | icipated in a five day Add-On |
| ertificate program on "APDIIII"                                | O Programming and Interfe      | sing" held from 10 04 0001    |
| runcate program on ARDUN                                       | O I rogramming and Interia     | icing neid from 12-04-2021    |
| ertificate program on "ARDUIN on 17-04-2021, organized by Depa |                                |                               |
|  | artment of Electronics and Con | nmunication Engineering.      |



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## CERTIFICATE

|                               | A. VEDA NAGAVALI   |                           |
|-------------------------------|--|---------------------------|
| bearing Roll No               | AS40.3has particip   | ated in a five day Add-On |
| ertificate program on "ARDUIN | NO Programming and Interfacin  | g" held from 12-04-2021   |
|                               | - Section of the sect | O                         |
|                               | artment of Electronics and Comm  |                           |
|                               |  |                           |

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## CERTIFICATE

| f bearing Roll No                | has participated in a fi                   | ive day Add-On |
|----------------------------------|--|----------------|
|                                  | NO Programming and Interfacing" held fro   |                |
|                                  |  |                |
| to 17-04-2021, organized by Depa | artment of Electronics and Communication E | Engineering.   |
|                                  | Resource Person                            |                |



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## CERTIFICATE

| his is to certify that Mr./Ms   | A: ANIL KUMAR   |
|---------------------------------|---|
| of bearing Roll No! 8 X LU A    | has participated in a five day Add-On                 |
|                                 | O Programming and Interfacing" held from 12-04-2021   |
| o 17-04-2021, organized by Depa | artment of Electronics and Communication Engineering. |
| Q                               | 2 Howard  |
| Head of the Department          | Resource Person Principal                             |



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TOA

Date: 21-8-2021

#### CIRCULAR

The following Faculty members are informed to attend the meeting at Electronics and Communication Engineering Department office on 25-8-2021 at 2:00 PM to discuss and frame curriculum and Day wise schedule for the certificate program on "Cloud Computing using AWS"

| S.No | Faculty Name       | Designation         | Signature   |
|------|--------------------|---------------------|-------------|
| 1    | Dr.S.Sri Gowri     | Professor & HOD     | S. Sri Gown |
| 2    | Mrs.A.V.P.Sarvari  | Assitant Professor  | Prof.       |
| 3    | Mr.P.Ratna Bhaskar | Assitant Professor  | Shal        |
| 4    | Mr. B.S.S.Tejesh   | Assistant Professor | h           |

PRINCIPAL

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Date: 26-8-2021

#### CIRCULAR

All the III/IV B. Tech students are here by informed that, Department of Electronics and Communication Engineering is conducting a Certification program on "Cloud Computing using AWS". The resource person is Mrs. A.V.P.Sarvari, Assistant Professor, Department of Electronics and Communication Engineering. The program to be held from 6-9-2021 to 13-9-2021. The details of the program are displayed in the notice board. All the interested students are instructed to contact Mr.B.S.S.Tejesh , Assistant Professor, Department of Electronics and Communication Engineering.on or before 3-9-2021. All the registered students must attend the program and complete the course.

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#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 26-8-2021

#### Day-Wise Schedule

Name of the Program: "Cloud Computing using AWS"

Academic Year: 2020-21

Program Duration: 06-9-2021 to 13-9-2021

Time: 09:00AM to 05:00PM

| S.NO | DAY       | DATE       | TOPICS   |
|------|-----------|------------|--|
| 1    | Monday    | 06-09-2021 | Cloud Concepts Overview Introduction to cloud computing Advantages of cloud computing Introduction to Amazon Web Services (AWS) Moving to the AWS Cloud – The AWS Cloud Adoption Framework (AWS CAF) Cloud Economics and Billing Fundamentals of pricing Total Cost of Ownership Billing Technical support AWS Global Infrastructure Overview AWS Global Infrastructure AWS services and service category overview |
| 2    | Tuesday   | 07-09-2021 | AWS Cloud Security  AWS shared responsibility model  AWS Identity and Access Management (IAM)  Securing a new AWS account  Securing accounts  Securing data on AWS  Working to ensure compliance   |
| 3    | Wednesday | 08-09-2021 | Networking and Content Delivery  Networking basics  Amazon VPC  VPC networking  VPC security  Amazon Route 53  Amazon Cloud Front  |
| 4    | Thursday  | 09-09-2021 | Compute Compute services overview Amazon EC2   |



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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

|   |        |            | Amazon EC2 cost optimization Container services Introduction to AWS Lambda Introduction to AWS Elastic Beanstalk Storage Amazon Elastic Block Store (Amazon EBS) Amazon Simple Storage Service (Amazon S3) Amazon Elastic File System (Amazon EFS) Amazon Simple Storage Service Glacier |
|---|--------|------------|--|
|   |        |            | Databases  Amazon Relational Database Service (Amazon RDS)  Amazon DynamoDB  Amazon Redshift  Amazon Aurora  Cloud Architecture  |
| 5 | Friday | 10-09-2021 | Amazon Relational Database Service (Amazon RDS) Amazon DynamoDB Amazon Redshift Amazon Aurora Automatic Scaling and Monitoring Elastic Load Balancing Amazon CloudWatch Amazon EC2 Auto Scaling  |

Resource Person

HOD

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

#### List of Students Registered

Academic Year: 2020-21

Certificate Program on "Cloud Computing using AWS"

| S.No | Roll Number | Name Of The Student      | Signature        |
|------|-------------|--------------------------|------------------|
| 1    | 18X41A0404  | ANNABATHULA ANIL KUMAR   | dril             |
| 2    | 18X41A0406  | AVIRNI SRI RAMSAI        | Saillan          |
| 3    | 18X41A0407  | B JASWANTH V SAI KRISHNA | Farment          |
| 4    | 18X41A0410  | CHEKKA DIANA PRIYA       | Parison          |
| 5    | 18X41A0411  | G SIRISHA                | Surta            |
| 6    | 18X41A0412  | GANAPARAPU M V N P KUMAR | Paran            |
| 7    | 18X41A0413  | GUDURU SAI PHANINDRA     | phoni            |
| 8    | 18X41A0418  | KANCHERLA NAVEEN         | Novem            |
| 9    | 18X41A0419  | KATURU ROHITH KUMAR      | Politic          |
| 10   | 18X41A0420  | KETHAVATHU DEEPTHI       | Desgir           |
| 11   | 18X41A0421  | KODALI SUNEEL            | - Buner          |
| 12   | 18X41A0425  | LANKA JYOTHI             | 550thi           |
| 13   | 18X41A0426  | SALIKITI SUNNY           | Somy             |
| 14   | 18X41A0427  | MALLELA TARMILA DEVI     | Tamihdevi.       |
| 15   | 18X41A0430  | MARAMPUDI ANITHA         |                  |
| 16   | 18X41A0431  | MAREEDU SOWJANYA LAKSHMI | M. Soupry Labili |
| 17   | 18X41A0432  | MARREDDY AMARNADH REDDY  | no Amangth day   |
| 18   | 18X41A0434  | MOPIDEVI VIJAYA          | M. Vijoju        |
| 19   | 18X41A0435  | ORSU POOJARAMANI         | Pogoraman i      |

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

| S.No | Roll Number | Name Of The Student      | Signature         |
|------|-------------|--------------------------|-------------------|
| 20   | 18X41A0437  | PAMARTHI SARANYA         | PSaranya          |
| 21   | 18X41A0439  | PASUPULETI PRAVALLIKA .  | e Pravallika      |
| 22   | 18X41A0441  | PENAMAKURU BHAVANA       | P. Bhavana        |
| 23   | 18X41A0442  | PUPPALA PAVANA SAI SRI   | P. Pavana Sai Sri |
| 24   | 18X41A0452  | DULIPALA CHARAN          | D. Charon         |
| 25   | 18X41A0454  | THURIMELLA KUSHAN SAI    | 7-hace            |
| 26   | 18X41A0455  | GALIPALLI PAVAN KUMAR    | h. Paul lyn       |
| 27   | 18X41A0462  | ANDE SRI VAISHNAVI       | A. Sn. Vaishnai   |
| 28   | 18X41A0463  | ANDE TEJO VINNY          | A. Tejo viny      |
| 29   | 18X41A0464  | ANUMOLU JAGADEESWAR      | A. Jagadeeswa     |
| 30   | 18X41A0466  | BANDLA HARISH KUMAR      | B. Harish kur     |
| 31   | 18X41A0467  | BODDUKURI SATYA KIREET   | 1 0               |
| 32   | 18X41A0468  | BURADAGUNTA SWARNA LATHA | B. Scotanolo      |
| 33   | 18X41A0469  | CHALLA VENKATA SIVAIAH   | Strengah.         |
| 34   | 18X41A0473  | VETA VENNELA             | v. Vennela        |
| 35   | 18X41A0476  | HARIMANIKYAM SIVA CHARAN | Strachenan        |
| 36   | 18X41A0477  | KANAKAMEDALA BHARAT      | K. Bharat         |
| 37   | 18X41A0478  | KATTA SAI CHARAN         | Satchanan         |
| 38   | 18X41A0479  | KOLAKALURI RAVEEN        | K. Rafen          |
| 39   | 18X41A0484  | KOVAGANI ANIL KUMAR      | k-Anilburna       |
| 40   | 18X41A0486  | MEDIDI ASHA RAMYA        | M. Asha Lamy      |
| 41   | 18X41A0487  | MEKA RAKESH              | M. Rokesh         |
| 42   | 18X41A0489  | MOPURI PRASAD REDDY      | Mparada           |

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| S.No | Roll Number | Name Of The Student        | Signature     |
|------|-------------|----------------------------|---------------|
| 43   | 18X41A0491  | NARUMANCHI DURGA SRI LASYA | N. Lasya      |
| 44   | 18X41A0492  | P MANIKANTA                | P. Manikanta  |
| 45   | 18X41A0498  | DAPPILI MADHU PAVAN KUMAR  | a favoritanos |
| 46   | 18X41A0499  | SHAIK SHAHABAZ             | sk shahabaz   |

Program Coordinator

HOD

# SRK INSTITUTE OF TECHNOLOGY VLIANARIDA

#### SRK INSTITUTE OF TECHNOLOGY

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ENGINEERING

#### DAY-WISE ATTENDANCE REPORT

Academic Year: 2020-21

Commencement Date: 06-09-2021

Program Duration: 06-09-2021 to 13-09-2021

Program Title: " Cloud Computing using AWS"

| S. |            | 06/09/   | 2021        | 07/09  | 9/2021   | 08/09     | 08/09/2021 |           | 0/2021   | 13/09/2021 |          |
|----|------------|--|-------------|--|----------|-----------|------------|-----------|----------|------------|----------|
| No | ROLL NO    | FN   | AN          | FN   | AN       | FN        | AN         | FN        | AN       | FN         | AN       |
| 1  | 18X41A0404 | Anil   | Anil        | and  | anil     | Anil      | amil       | Avil      | And      | Avil       | Du       |
| 2  | 18X41A0406 | Snifen   | South       | Soulos   | Sijan    | Soulon    |            | 3,Bu      | Cara     |            | South    |
| 3  | 18X41A0407 | Farer  | Jan         | Jank   | Joseph   | Jun       | Throt      | James     | Du       | Zenne      | Jones    |
| 4  | 18X41A0410 | Prin   | Buga        | Broge  | Pargo    | Proje     | Dange      | Para      | Parge    | Preza      | Pour     |
| 5  | 18X41A0411 | Sure   | Such        | Gira   | Since    | Sich      | Sur        | Such      | Such     | Leven      | Sur      |
| 6  | 18X41A0412 | Paron  | Porm        | Power  | Parm     | Paren     | Parm       | Pour      | Panan    | Parm       | Paner    |
| 7  | 18X41A0413 | Dhavi  | plani       | (1)  | (2)      | phoni     | phoni      | phone     | phoni    | ploni      | phane    |
| 8  | 18X41A0418 | Reven  | noun        | Noven  | Nan-     | Dane      | Liven      | abun      | Lum      | Ø          | 10       |
| 9  | 18X41A0419 | Poht   | Port        | 0  | POLA     | (A)       | Down       | Port      | DOLT     | Dows.      | Doll     |
| 10 | 18X41A0420 | Docty  | (Dog E      |  | -        |           | Dogin      | Degui     | Pept     | Daph       | Depl     |
| 11 | 18X41A0421 | Surgel   | Lorect      |  | Burney   |           | 7          | 11        | Soul     |            | borec    |
| 12 | 18X41A0425 | FOR  | MIGT        | 4010000  | Trotu    | 1000      |            | Hoti      |          | 0.17       | 1345     |
| 13 | 18X41A0426 | Sura   | Sin         | Sum  | Sum      | A         | (A)        | Sung      | Con      | Suis       | Som      |
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| 23 |            | Planana  | Planana     | Planare  | Plavara  | Plavara   | Phwane     | Phyana    | Planara  | Plavana    | Plante   |
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

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#### Cloud Computing using AWS

#### Quiz

| 1. Under the shared responsibility model, which of the following is the customer   | r responsible | e |
|--|---------------|---|
| for?   | 1             | 1 |
| A. Ensuring that disk drives are wiped after use.                                  |               |   |
| B. Ensuring that firmware is updated on hardware devices.                          |               |   |
| C. Ensuring that data is encrypted at rest.  |               |   |
| D. Ensuring that network cables are category six or higher.                        |               |   |
| 2. Which service stores objects, provides real-time access to those objects, and o | offers        |   |
| versioning and lifecycle capabilities?   | 1             | 1 |
| A. Amazon Glacier  |               |   |
| B. AWS Storage Gateway   |               |   |
| C. Amazon S3   |               |   |
| D. Amazon EBS  |               |   |
| 3. A customer would like to design and build a new workload on AWS Cloud bu        | at does not   |   |
| have the AWS-related software technical expertise in-house.                        |               |   |
| Which of the following AWS programs can a customer take advantage of to ach        | ieve that     |   |
| outcome?   | ]             | 1 |
| A. AWS Partner Network Technology Partners   |               |   |
| B. AWS Partner Network Consulting Partners   |               |   |
| C. AWS MarketplaceB]   |               |   |
| D. AWS Service Catalog   |               |   |
| 4. Distributing workloads across multiple Availability Zones supports which elo    | ud            |   |
| architecture design principle?   |               | 1 |
| A. Design for failure.   |               | 1 |
| B. Design for agility.   |               |   |
| C. Implement automation.   |               |   |
| D. Implement elasticity.   |               |   |
| 5. Which of the following inspects AWS environments to find opportunities that     | can save      |   |
| money for users and also improve system performance?                               | 1             | 1 |
| A. AWS Cost Explorer   |               |   |
| B. AWS Trusted Advisor   |               |   |
| C. Consolidated billing  |               |   |
| D. Detailed billing  |               |   |
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| 6. Which of the following Amazon EC2 pricing models allow customers to use exists<br>server-bound software licenses? | and the second s |
|--|--|
| A. Spot Instances  | [ ]  |
| B. Reserved Instances  |  |
| C. On-Demand Instances   |  |
| D. Dedicated Hosts   |  |
| 7. Which service enables risk auditing by continuously monitoring and logging account                                |  |
| activity, including user actions in the AWS Management Console and AWS   | int  |
| SDKs?  |  |
| A. Amazon CloudWatch   | 11   |
| B. AWS CloudTrail  |  |
| C. AWS Config  |  |
| D. AWS Health  |  |
| 8. Which services can be used across hybrid AWS Cloud architectures? (Choose two.                                    |  |
| A. Amazon Route 53   | , 11   |
| B. Virtual Private Gateway   |  |
| C. Classic Load Balancer   |  |
| D. Auto Scaling  |  |
| E. Amazon CloudWatch default metrics   |  |
| 9. What costs are included when comparing AWS Total Cost of Ownership (TCO) wi                                       | th on-   |
| premises TCO?  |  |
| A. Project management  | []   |
| B. Antivirus software licensing  |  |
| C. Data center security  |  |
| D. Software development  |  |
| 10. A company is considering using AWS for a self-hosted database that requires a nig                                | dela   |
| shutdown for maintenance and cost-saving purposes.   | muy  |
| Which service should the company use?  |  |
| A. Amazon Redshift   | 1  |
| B. Amazon DynamoDB   |  |
| C. Amazon Elastic Compute Cloud (Amazon EC2) with Amazon EC2 instance store  |  |
| D. Amazon EC2 with Amazon Elastic Block Store (Amazon EBS)   |  |
| 11. Which of the following is a correct relationship between regions, Availability Zone                              | e and  |
| edge locations?  | s, and   |
| A. Data centers contain regions.   | 1.1  |
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|      | B. Regions contain Availability Zones.  | -     | _  |
|------|---|-------|----|
|      | C. Availability Zones contain edge locations.   |       |    |
|      | D. Edge locations contain regions.  |       |    |
|      | 12. Which of the following Reserved Instance (RI) pricing models provides the highest     |       |    |
|      | average savings compared to On-Demand pricing?  | r     | 1  |
|      | A. One-year, No Upfront, Standard RI pricing  | ı     | ]  |
|      | B. One-year, All Upfront, Convertible RI pricing  |       |    |
|      | C. Three-year, All Upfront, Standard RI pricing   |       |    |
|      | D. Three-year, No Upfront, Convertible RI pricing   |       |    |
|      | 13. Compared with costs in traditional and virtualized data centers, AWS has:             | r     | 1  |
|      | A. greater variable costs and greater upfront costs.                                      | ı     | 1  |
|      | B. fixed usage costs and lower upfront costs.   |       |    |
|      | C. lower variable costs and greater upfront costs.  |       |    |
|      | D. lower variable costs and lower upfront costs   |       |    |
|      | 14. A characteristic of edge locations is that they:                                      | 1     | 1  |
|      | A. cache frequently changing data without reaching the origin server. B. help lower laten | cv    | ,  |
| - 19 | and improve performance for users.  | -,    |    |
| 3    | C. host Amazon EC2 instances closer to users.   |       |    |
|      | D. refresh data changes daily.  |       |    |
|      | 15. Which of the following can limit Amazon Storage Service (Amazon S3) bucket access     | is to | ,  |
|      | specific users?   |       | 1  |
|      | A. A public and private key-pair  |       | •  |
|      | B. Amazon Inspector   |       |    |
| (    | C. AWS Identity and Access Management (IAM) policies                                      |       |    |
| 1    | D. Security Groups  |       |    |
| 1    | 16. Which of the following security-related actions are available at no cost?             | 1     | 1  |
| 1    | A. Calling AWS Support  | •     |    |
| I    | B. Accessing forums, blogs, and whitepapers   |       |    |
| (    | C. Contacting AWS Professional Services to request a workshop                             |       |    |
| I    | D. Attending AWS classes at a local university  |       |    |
| 1    | 7. Which AWS feature will reduce the customer's total cost of ownership (TCO)?            |       |    |
| 1    | A. Shared responsibility security model   | 1 1   | ř. |
| B    | 3. Single tenancy   |       |    |
|      | C. Encryption  D. Elastic computing   |       |    |
| E    | D. Elastic computing  |       |    |

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| 18. Which of the following services will automatically scale with an expected incre-<br>traffic? | ase in we |
|--|-----------|
|  | 1         |
| A. AWS CodePipeline  |           |
| B. Elastic Load Balancing  |           |
| C. Amazon EBS  |           |
| D. AWS Direct Connect  |           |
| 19. Where are AWS compliance documents, such as an SOC 1 report, located?                        |           |
| A. AWS Artifact  |           |
| B. AWS CloudTrail  |           |
| C. Amazon Inspector  |           |
| D. AWS Certificate Manager   |           |
| 20. According to best practices, how should an application be designed to run in the             |           |
| Cloud?   |           |
| A. Use tighly coupled components.  | []        |
| B. Use loosely coupled components.   |           |
| C. Use infrequently coupled components.  |           |
|  |           |

Resource Person

D. Use frequently coupled components.

HoD

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# SRK INSTITUTE OF TECHNOLOGY VUATRIBADA

C. Encryption

D. Elastic computing

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|      | VUATRIBADA   | (ISO 9001:2015 Certified Institution)  |       |
|------|--|--|-------|
| В    | . Regions contain  | Availability Zones.  |       |
| C    | . Availability Zone  | es contain edge locations.   |       |
| D    | . Edge locations co  | ontain regions.  |       |
|      | entry Transcontinues   |  |       |
| 12   | 2. Which of the foll   | lowing Reserved Instance (RI) pricing models provides the highest                          |       |
| av   | verage savings com   | pared to On-Demand pricing?  |       |
| A    | . One-year, No Up!   | front, Standard RI pricing   | [B]   |
| B.   | One-year, All Up!  | front, Convertible RI pricing  |       |
| C.   | Three-year, All U  | pfront, Standard RI pricing  |       |
| D.   | . Three-year, No U   | pfront, Convertible RI pricing   |       |
| 13   | Compared with c  | osts in traditional and size W   | 80240 |
| A    | greater variable co  | osts in traditional and virtualized data centers, AWS has: osts and greater upfront costs. | [c]   |
| B    | fixed usage costs  | and lower upfront costs.   |       |
| C    | lower variable cos   | ts and greater upfront costs.  |       |
| D    | lower variable cos   | ts and lower upfront costs.  |       |
|      | ioner variable cos   | is and lower upfront costs   |       |
| 14   | A characteristic o   | f edge locations is that they:   |       |
| Α.   | cache frequently e   | hanging data without models at a 1 1   | [D]   |
| and  | d improve performa   | hanging data without reaching the origin server. B. help lower late                        | ncy   |
| C.   | host Amazon FC2  | instances closer to users.   |       |
| D.   | refresh data change  | es daily   |       |
|      | renesii dala changi  | es daily.  |       |
| 15.  | Which of the follo   | wing can limit Amazon Storage Service (Amazon S3) bucket acce                              |       |
| spe  | cific users?   | wing can mint Amazon Storage Service (Amazon S3) bucket acce                               |       |
|      | A public and privat  | te key-nair  | [A]   |
|      | Amazon Inspector   | a ney pair   |       |
|      |  | Access Management (IAM) policies   |       |
| D. : | Security Groups  | recess Management (IAM) poncies  |       |
|      | attended to the state of   |  |       |
| 16.  | Which of the follo   | wing security-related actions are available at no cost?                                    | 1.1   |
| A. ( | Calling AWS Supp   | ort  | [6]   |
|      |  | blogs, and whitepapers   |       |
| C. ( | Contacting AWS Pr  | rofessional Services to request a workshop   |       |
| D. / | Attending AWS cla  | isses at a local university  |       |
| 17.  | Which AWS featur   | re will reduce the customer's total cost of ownership (TCO)?                               |       |
| A. S | Shared responsibilit   | v security model   |       |
| B. S | ingle tenancy  |  | 10    |
|      | and the second s |  |       |

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COLLANDIO

Krishna

| Cloud Computing using AWS   | 10/4/4040-                  |
|---|-----------------------------|
| Quiz  | B. Jaswanth Sai             |
| 1. Under the shared responsibility model, which of the following                | is the customer responsible |
| for?  | kl.                         |
| A. Ensuring that disk drives are wiped after use.                               |                             |
| <ul> <li>B. Ensuring that firmware is updated on hardware devices.</li> </ul>   |                             |
| C. Ensuring that data is encrypted at rest.                                     | X                           |
| <ul> <li>D. Ensuring that network cables are category six or higher.</li> </ul> |                             |
| 2. Which service stores objects, provides real-time access to those             | objects, and offers         |
| versioning and lifecycle capabilities?  | DI                          |
| A. Amazon Glacier   |                             |
| B. AWS Storage Gateway  |                             |
| C. Amazon S3  |                             |
| D. Amazon EBS   |                             |
| 3. A customer would like to design and build a new workload on A                | AWS Cloud but does not      |
| have the AWS-related software technical expertise in-house.                     |                             |
| Which of the following AWS programs can a customer take advar                   | stage of to achieve that    |
| outcome?  | [6]                         |
| A. AWS Partner Network Technology Partners                                      |                             |
| B. AWS Partner Network Consulting Partners                                      |                             |
| C. AWS MarketplaceB]  |                             |
| D. AWS Service Catalog  |                             |
| 4. Distributing workloads across multiple Availability Zones supp               | orts which cloud            |
| architecture design principle?  | [A]                         |
| A. Design for failure.  |                             |
| B. Design for agility.  |                             |
| C. Implement automation.  |                             |
| D. Implement elasticity.  |                             |
| 5. Which of the following inspects AWS environments to find opp                 | ortunities that can save    |
| money for users and also improve system performance?                            | 181                         |
| A. AWS Cost Explorer  | · Di                        |
| B. AWS Trusted Advisor  |                             |
| C. Consolidated billing   | 1                           |
| D. Detailed billing   | 11000                       |



A. Data centers contain regions.

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|   | •   |     |
|---|---|-----|
|   | 6. Which of the following Amazon EC2 pricing models allow customers to use existing         | ő   |
|   | server-bound software licenses?   |     |
|   | A. Spot Instances   | 0   |
|   | B. Reserved Instances   |     |
|   | C. On-Demand Instances  |     |
|   | D. Dedicated Hosts  |     |
|   | 7. Which service enables risk auditing by continuously monitoring and logging account       |     |
|   | activity, including user actions in the AWS Management Console and AWS<br>SDKs?             |     |
|   | A. Amazon CloudWatch  | (B) |
|   | B. AWS CloudTrail   |     |
|   | C. AWS Config   |     |
|   | D. AWS Health   |     |
|   | 8. Which services can be used across hybrid AWS Cloud architectures? (Choose two.)          |     |
|   | A. Amazon Route 53  | [1] |
|   | B. Virtual Private Gateway  |     |
|   | C. Classic Load Balancer  |     |
|   | D. Auto Scaling   |     |
|   | E. Amazon CloudWatch default metrics  |     |
|   | 9. What costs are included when comparing AWS Total Cost of Ownership (TCO) with o          |     |
|   | premises TCO?   | 100 |
|   | A. Project management   | IBI |
|   | B. Antivirus software licensing   |     |
|   | C. Data center security   |     |
|   | D. Software development   |     |
|   | 10. A company is considering using AWS for a self-hosted database that requires a nightly   |     |
|   | shutdown for maintenance and cost-saving purposes.  | У   |
|   | Which service should the company use?   |     |
|   | A. Amazon Redshift  | [A] |
|   | B. Amazon DynamoDB  |     |
|   | C. Amazon Elastic Compute Cloud (Amazon EC2) with Amazon EC2 instance store                 |     |
| 1 | D. Amazon EC2 with Amazon Elastic Block Store (Amazon EBS)                                  |     |
| 1 | 11. Which of the following is a correct relationship between regions, Availability Zones, a | nd  |
|   | edge locations?   | ind |

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- 18. Which of the following services will automatically scale with an expected increase in web traffic?
- A. AWS CodePipeline
- B. Elastic Load Balancing
- C. Amazon EBS
- D. AWS Direct Connect
- 19. Where are AWS compliance documents, such as an SOC 1 report, located?

[A]

- A. AWS Artifact
- B. AWS CloudTrail
- C. Amazon Inspector
- D. AWS Certificate Manager
- 20. According to best practices, how should an application be designed to run in the AWS Cloud?
- Use tighly coupled components.
- B. Use loosely coupled components.
- C. Use infrequently coupled components.
- D. Use frequently coupled components.

# SAK INSTITUTE OF TECHNOLOGY VUATAMADA

#### SRK INSTITUTE OF TECHNOLOGY

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| IX INSTITUTE OF TECHNOLOGY<br>VUATAWADA       | (ISO 9001:2015 Certified Institution) |
|---|---------------------------------------|
| B. Regions contain Availa                     | ability Zones.                        |
| C. Availability Zones con                     | tain edge locations.                  |
| <ul> <li>D. Edge locations contain</li> </ul> |                                       |

| C. Availability Zones contain edge locations.  |                               |
|--|-------------------------------|
| D. Edge locations contain regions.   |                               |
| 12. Which of the following Reserved Instance (RI) pricing models provides the high<br>average savings compared to On-Demand pricing? | Committee of the Committee of |
| A. One-year, No Upfront, Standard RI pricing   | (B                            |
| B. One-year, All Upfront, Convertible RI pricing   |                               |
| C. Three-year, All Upfront, Standard RI pricing  |                               |
| D. Three-year, No Upfront, Convertible RI pricing  |                               |
| 13. Compared with costs in traditional and virtualized data centers, AWS has:  | [4]                           |
| A. greater variable costs and greater upfront costs.   | [4                            |
| B. fixed usage costs and lower upfront costs.  |                               |
| C. lower variable costs and greater upfront costs.   |                               |
| D. lower variable costs and lower upfront costs  |                               |
| 14. A characteristic of edge locations is that they:   | [ 10]                         |
| A. cache frequently changing data without reaching the origin server. B. help lower la<br>and improve performance for users.         | [ D]<br>atency                |
| C. host Amazon EC2 instances closer to users.  |                               |
| D. refresh data changes daily.   |                               |
| 15. Which of the following can limit Amazon Storage Service (Amazon S3) bucket ac specific users?                                    |                               |
| A. A public and private key-pair   | [A]                           |
| B. Amazon Inspector  |                               |
| C. AWS Identity and Access Management (IAM) policies   |                               |
| D. Security Groups   |                               |
|  |                               |

16. Which of the following security-related actions are available at no cost?

A. Calling AWS Support

B. Accessing forums, blogs, and whitepapers

C. Contacting AWS Professional Services to request a workshop

D. Attending AWS classes at a local university

17. Which AWS feature will reduce the customer's total cost of ownership (TCO)?

A. Shared responsibility security model

B. Single tenancy C. Encryption

D. Elastic computing

[1]



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Cloud Computing using AWS

1. ANIL KUMAR

Quiz

1. Under the shared responsibility model, which of the following is the customer responsible for?

- A. Ensuring that disk drives are wiped after use.
- B. Ensuring that firmware is updated on hardware devices.
- C. Ensuring that data is encrypted at rest.
- D. Ensuring that network cables are category six or higher.
- 2. Which service stores objects, provides real-time access to those objects, and offers versioning and lifecycle capabilities?

[c]

- A. Amazon Glacier
- B. AWS Storage Gateway
- C. Amazon S3
- D. Amazon EBS
- A customer would like to design and build a new workload on AWS Cloud but does not have the AWS-related software technical expertise in-house.

Which of the following AWS programs can a customer take advantage of to achieve that outcome?

- A. AWS Partner Network Technology Partners
- B. AWS Partner Network Consulting Partners
- C. AWS MarketplaceB]
- D. AWS Service Catalog
- 4. Distributing workloads across multiple Availability Zones supports which cloud architecture design principle?

[4]

- A. Design for failure.
- B. Design for agility.
- C. Implement automation.
- D. Implement elasticity.
- 5. Which of the following inspects AWS environments to find opportunities that can save money for users and also improve system performance?
- A. AWS Cost Explorer
- B. AWS Trusted Advisor
- C. Consolidated billing
- D. Detailed billing

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A. Data centers contain regions.

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| 6. Which of the following Amazon EC2 pricing models allow customers to use existing       |      |
|---|------|
| server-bound software licenses?   | [D]  |
| A. Spot Instances   | 4    |
| B. Reserved Instances   |      |
| C. On-Demand Instances  |      |
| D. Dedicated Hosts  |      |
| 7. Which service enables risk auditing by continuously monitoring and logging account     |      |
| activity, including user actions in the AWS Management Console and AWS                    |      |
| SDKs?   | 181  |
| A. Amazon CloudWatch  |      |
| B. AWS CloudTrail   |      |
| C. AWS Config   |      |
| D. AWS Health   |      |
| 8. Which services can be used across hybrid AWS Cloud architectures? (Choose two.)        | [A]  |
| A. Amazon Route 53  | LFJJ |
| B. Virtual Private Gateway  |      |
| C. Classic Load Balancer  |      |
| D. Auto Scaling   |      |
| E. Amazon CloudWatch default metrics  |      |
| 9. What costs are included when comparing AWS Total Cost of Ownership (TCO) with          | n.m. |
| premises TCO?   |      |
| A. Project management   | (B)  |
| B. Antivirus software licensing   |      |
| C. Data center security   |      |
| D. Software development   |      |
| 10. A company is considering using AWS for a self-hosted database that requires a night   |      |
| shutdown for maintenance and cost-saving purposes.  | ly   |
| Which service should the company use?   |      |
| A. Amazon Redshift  | [A]  |
| B. Amazon DynamoDB  |      |
| C. Amazon Elastic Compute Cloud (Amazon EC2) with Amazon EC2 instance store               |      |
| D. Amazon EC2 with Amazon Elastic Block Store (Amazon EBS)                                |      |
| 11. Which of the following is a correct relationship between regions, Availability Zones, |      |
| edge locations?   |      |
| A. Data centers contain regions   | 101  |

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| VUATAWADA                                      | (ISO 9001:2015 Certified Institution)  |              |
|--|--|--------------|
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| A. One-year, No Upfront,                       |  | 16           |
| B. One-year, All Upfront,                      |  |              |
| C. Three-year, All Upfror                      | 4, PS-100 (1) 1 (1 |              |
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| 13. Compared with costs                        | in traditional and virtualized data centers, AWS has:  | 10           |
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| and improve performance                        | for users,   | 111111111111 |
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| C. Contacting AWS Profe                        | ssional Services to request a workshop   |              |
| D. Attending AWS classes                       |  |              |
| 17. Which AWS feature w                        | ill reduce the customer's total cost of ownership (TCO)?   |              |

A. Shared responsibility security model

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[B]



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101 mulle



C. Consolidated billing D. Detailed billing

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| Cloud Computing using AWS | Cloud | Com | puting | using | AWS |
|---------------------------|-------|-----|--------|-------|-----|
|---------------------------|-------|-----|--------|-------|-----|

18x 4110406 A. Sri Ramsai

|   | Quiz 77.37   | Kom                                     |
|---|--|---|
|   | 1. Under the shared responsibility model, which of the following is the customer respon                          | sible                                   |
|   | for?   | [C]                                     |
|   | A. Ensuring that disk drives are wiped after use.  | 5.50                                    |
|   | <ul> <li>B. Ensuring that firmware is updated on hardware devices.</li> </ul>                                    |   |
|   | C. Ensuring that data is encrypted at rest.  |   |
|   | D. Ensuring that network cables are category six or higher.  |   |
|   |  |   |
| 1 | 2. Which service stores objects, provides real-time access to those objects, and offers                          |   |
| 1 | versioning and lifecycle capabilities?   | [                                       |
|   | A. Amazon Glacier  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| 1 | B. AWS Storage Gateway   |   |
|   | C. Amazon S3   |   |
| 1 | D. Amazon EBS  |   |
|   | 3. A customer would like to design and build a new workload on AWS Cloud but does n                              | not                                     |
| 1 | have the AWS-related software technical expertise in-house.  | iore.                                   |
|   | Which of the following AWS programs can a customer take advantage of to achieve that                             |   |
|   | outcome?   | DI                                      |
| 1 | A. AWS Partner Network Technology Partners   | 10                                      |
|   | B. AWS Partner Network Consulting Partners   |   |
|   | C. AWS MarketplaceB]   |   |
|   | D. AWS Service Catalog   |   |
|   | 4. Distributing workloads across multiple Assilability Zanas and a List at a 1                                   |   |
|   | 4. Distributing workloads across multiple Availability Zones supports which cloud architecture design principle? |   |
|   | A. Design for failure.   | [4]                                     |
|   | B. Design for agility.   |   |
|   | C. Implement automation.   |   |
|   | D. Implement elasticity.   |   |
| • | D. Implement elasticity.   |   |
| 5 | 5. Which of the following inspects AWS environments to find opportunities that can save                          | e                                       |
| n | money for users and also improve system performance?   | 13                                      |
|   | A. AWS Cost Explorer   | 2                                       |
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| 9 Which continues to the state of the state |     |
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| 10. A company is considering using AWS for a self-hosted database that requires a nigh  | ·lu |
| shutdown for maintenance and cost-saving purposes.  | uy  |
| Which service should the company use?   | F-1 |
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[7]



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

"Cloud Computing using AWS" Certification Program Test Results

| S.No | Roll Number | Name Of The Student      | Total<br>Score (20) | Total<br>Percentage | Grade |
|------|-------------|--------------------------|---------------------|---------------------|-------|
| 1    | 18X41A0404  | ANNABATHULA ANIL KUMAR   | 18                  | 90                  | A     |
| 2    | 18X41A0406  | AVIRNI SRI RAMSAI        | 16                  | 80                  | В     |
| 3    | 18X41A0407  | B JASWANTH V SAI KRISHNA | 15                  | 75                  | В     |
| 4    | 18X41A0410  | CHEKKA DIANA PRIYA       | 15                  | 75                  | В     |
| 5    | 18X41A0411  | G SIRISHA                | 16                  | 80                  | В     |
| 6    | 18X41A0412  | GANAPARAPU M V N P KUMAR | 16                  | 80                  | В     |
| 7    | 18X41A0413  | GUDURU SAI PHANINDRA     | 18                  | 90                  | В     |
| 8    | 18X41A0418  | KANCHERLA NAVEEN         | 12                  | 60                  | C     |
| 9    | 18X41A0419  | KATURU ROHITH KUMAR      | 15                  | 75                  | В     |
| 10   | 18X41A0420  | KETHAVATHU DEEPTHI       | 14                  | 70                  | В     |
| 11   | 18X41A0421  | KODALI SUNEEL            | 12                  | 60                  | С     |
| 12   | 18X41A0425  | LANKA JYOTHI             | 15                  | 75                  | В     |
| 13   | 18X41A0426  | SALIKITI SUNNY           | 15                  | 75                  | В     |
| 14   | 18X41A0427  | MALLELA TARMILA DEVI     | 15                  | 75                  | В     |
| 15   | 18X41A0430  | MARAMPUDI ANITHA         | 15                  | . 75                | В     |
| 16   | 18X41A0431  | M. SOWJANYA LAKSHMI      | 14                  | 70                  | В     |
| 17   | 18X41A0432  | M. AMARNADH REDDY        | 16                  | 80                  | В     |
| 18   | 18X41A0434  | MOPIDEVI VIJAYA          | 16                  | 80                  | В     |
| 19   | 18X41A0435  | ORSU POOJARAMANI         | 17                  | 85                  | В     |
| 20   | 18X41A0437  | PAMARTHI SARANYA         | 17                  | 85                  | В     |
| 21   | 18X41A0439  | PASUPULETI PRAVALLIKA    | 18                  | 90                  | A     |

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

| S.No | Roll Number | Name Of The Student      | Total<br>Score (20) | Total<br>Percentage | Grade |
|------|-------------|--------------------------|---------------------|---------------------|-------|
| 22   | 18X41A0441  | PENAMAKURU BHAVANA       | 14                  | 70                  | В     |
| 23   | 18X41A0442  | PUPPALA PAVANA SAI SRI   | 14                  | 70                  | В     |
| 24   | 18X41A0452  | DULIPALA CHARAN          | 16                  | - 80                | В     |
| 25   | 18X41A0454  | THURIMELLA KUSHAN SAI    | 19                  | 95                  | A     |
| 26   | 18X41A0455  | GALIPALLI PAVAN KUMAR    | 13                  | 65                  | С     |
| 27   | 18X41A0462  | ANDE SRI VAISHNAVI       | 15                  | 75                  | В     |
| 28   | 18X41A0463  | ANDE TEJO VINNY          | 16                  | 80                  | В     |
| 29   | 18X41A0464  | ANUMOLU JAGADEESWAR      | 12                  | 60                  | С     |
| 30   | 18X41A0466  | BANDLA HARISH KUMAR      | 5                   | 25                  | F     |
| 31   | 18X41A0467  | BODDUKURI SATYA KIREET   | 6                   | 30                  | F     |
| 32   | 18X41A0468  | B. SWARNA LATHA          | 15                  | 75                  | В     |
| 33   | 18X41A0469  | CHALLA VENKATA SIVAIAH   | 8                   | 40                  | D     |
| 34   | 18X41A0473  | VETA VENNELA             | 16                  | 80                  | В     |
| 35   | 18X41A0476  | HARIMANIKYAM SIVA CHARAN | 17                  | 85                  | В     |
| 36   | 18X41A0477  | KANAKAMEDALA BHARAT      | 18                  | - 90                | A     |
| 37   | 18X41A0478  | KATTA SAI CHARAN         | 15                  | 75                  | В     |
| 38   | 18X41A0479  | KOLAKALURI RAVEEN        | 10                  | 50                  | D     |
| 39   | 18X41A0484  | KOVAGANI ANIL KUMAR      | 15                  | 75                  | В     |
| 40   | 18X41A0486  | MEDIDI ASHA RAMYA        | 17                  | 85                  | В     |
| 41   | 18X41A0487  | MEKA RAKESH              | 15                  | 75                  | В     |
| 42   | 18X41A0489  | MOPURI PRASAD REDDY      | 16                  | 80                  | В     |
| 43   | 18X41A0491  | N. DURGA SRI LASYA       | 17                  | 85                  | В     |

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

| S.No | Roll Number | Name Of The Student  | Total<br>Score (20) | Total<br>Percentage | Grade |
|------|-------------|----------------------|---------------------|---------------------|-------|
| 44   | 18X41A0492  | P MANIKANTA          | 18                  | 90                  | A     |
| 45   | 18X41A0498  | D. MADHU PAVAN KUMAR | 15                  | 75                  | В     |
| 46   | 18X41A0499  | SHAIK SHAHABAZ       | 17                  | 85                  | В     |

| Grade | Count |
|-------|-------|
| A     | 5     |
| В     | 32    |
| С     | 5     |
| D     | 2     |
| Fail  | 2     |

74 Coordinator

Resource Person

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(ISO 9001:2015 Certified Institution)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

Date: 13-9-2021

#### PROGRAM REPORT

Name of the Program

: Five day certification course on "Cloud Computing using

AWS"

Date

: 6-9-2021 to 13-9-2021

Resource Person

: Mrs.A.V.P.Sarvari, Trainer, AWS, Mobile No: 9966011426

Number of Participants

: 46

Program Objective

: The objective of this program is to educate the students about

Cloud Computing concepts, 'Amazon Web Services and Amazon Simple Storage Services and to make the students able

to utilize the Cloud Computing concepts.

Topics Covered

: The topics covered in this program are

Cloud Concepts Overview

· Cloud Economics and Billing

· AWS Cloud Security

Storage

Databases

Cloud Architecture

Program Outcome

: Completing this course should provide the students with a good Understanding of cloud computing and a systematic knowledge of the fundamental technologies, architecture, and security.

Program Coordinator

HODECE



Vijayawada, Andhra Pradesh, I SRK Institute Of Technology, Enikepadu, Vi Andhra Pradesh 521108, India Lat 52.510792°

PRINCIPA SRKINSTITUTE OF TE

Long 30.795111°

07/09/21 02:30 PM



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## CERTIFICATE

| I his is to certify that Mr/Ms | A. ANIL KUMAR                   |
|--------------------------------|---------------------------------|
| 18×41A0404                     | Has actively participated in 35 |
| hours certification program    | on "Cloud Computing using       |
| AWS" organized by the Depa     | rtment of Electronics and       |
| Communication Engineering      | g from 6.9.2021 to 13.9.2021.   |

RESOURCEPERSON

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## CERTIFICATE

| This is to certify that Mr/Ms_ | A. SRI RAMSAI                   |
|--------------------------------|---------------------------------|
| Igx 41A0406                    | Has actively participated in 35 |

hours certification program on "Cloud Computing using AWS" organized by the Department of Electronics and

Communication Engineering from 6.9.2021 to 13.9.2021.

RESOURCEPERSON

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## CERTIFICATE

| This is to certify that Mr/Ms_ | B. JASWANTH SAI KRISHNA          |
|--------------------------------|----------------------------------|
| 18×41A0407                     | _Has actively participated in 35 |
| hours certification program of | on "Cloud Computing using        |
| AWS" organized by the Depar    | rtment of Electronics and        |
| Communication Engineering      | from 6.9.2021 to 13.9.2021.      |



RESOURCEPERSON

## SRK INSTITUTE OF TECHNOLOGY

APPROVED BY AICTE, AFFILIATED TO JNTUK, KAKINADA ISO 9001:2015 CERTIFIED INSTITUTION ENIKEPADU, VIJAYAWADA -521108

## CERTIFICATE

| CH. DIANA PRIYA                  |
|----------------------------------|
| _Has actively participated in 35 |
| on "Cloud Computing using        |
| rtment of Electronics and        |
| g from 6.9.2021 to 13.9.2021.    |
|                                  |

HoD