

**KANDULA SRINIVASA REDDY MEMORIAL COLLEGE OF ENGINEERING
(AUTONOMOUS)**

KADAPA-516003. AP

(Approved by AICTE, Affiliated to JNTUA, Ananthapuramu, Accredited by NAAC)

(An ISO 9001-2008 Certified Institution)

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING



VALUE ADDED COURSE

ON

“MIT App Inventor”

Resource Person : Mr. K.Shalivahana Reddy, Assistant Professor, Dept. of AI&ML, KSRMCE

Course Coordinator: Mr. G.Chakrapani, Assistant Professor, Dept. of AI&ML, KSRMCE

Duration: 04/03/2024 to 24/03/2024



**K.S.R.M. COLLEGE OF ENGINEERING
(UGC-AUTONOMOUS)**

Kadapa, Andhra Pradesh, India- 516 003

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An ISO 14001:2004 & 9001: 2015 Certified Institution



KSNR
lives on.

Lr./KSRMCE/(Department of AI&ML)/2023-24/

Date: 28-02-2024

To
The Principal,
KSRMCE,
Kadapa.

Respected Sir,

Sub: Permission to Conduct Value added Course on “MIT App Inventor” from

04/03/2024 to 24/03/2024–Req- Reg.

The Department of Artificial Intelligence and Machine Learning is planning to offer a Value Added Course on “MIT App Inventor” to B. Tech. students. The course will be conducted from **04/03/2024 to 24/03/2024**. In this regard, I kindly request you to grant permission to conduct Value Added Course.

Thanking you sir,

Yours faithfully

Coordinator

G.Chakrapani,

Assistant Professor,

Dept. of AI&ML, KSRMCE.

forwarded to
principal sir,

KSRao
28/2/24

Permitted.
U. S. S. Murthy
28/02/2024



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KSNR
lives on

Cr./KSRMCE/(Department of AI&ML)/2023-24/

Date: 28-02-2024

Circular

The Department of Artificial Intelligence and Machine Learning is offering a Value Added Course on "MIT App Inventor" from **04/03/2024 to 24/03/2024** to B.Tech students. In this regard, interested students are requested to register their names for the Value Added Course with Course Coordinator.

For further information contact Course Coordinator.

Course Coordinator: Mr. G.Chakrapani, Asst.professor, Dept. of AI&ML - KSRMCE.

Contact No: 9080338744

HOD

Dept. of AI&ML

Cc to:

IQAC-KSRMCE

Dr. K. SRINIVASA RAO, M.Tech., Ph.D.
Professor & HOD AIML
K.S.R.M. College of Engineering
(Autonomous)
KADAPA- 516 005. (A.P)



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Date: 01/04/2024

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

REGISTRATION FORM

Value Added Course

On

“MIT App Inventor” From 04/03/2024 to 24/03/2024

S.No	Full Name	Roll Number	Branch	Semester	Signature

Coordinator

HoD



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KSNR
Lives on

Date: 01/03/2024

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

REGISTRATION FORM

Value Added Course

On

“MIT App Inventor” From 04/03/2024 to 24/03/2024

S.No	Full Name	Roll Number	Branch	Semester	Signature
	M. Uma Devi	22941A3928	AIML	IV Sem	Uma
	M. Hitah	22941A3929	AIML	IV Sem	Hitah
	M. Md. Chhani Baij	22941A3932	AIML	IV Sem	Md
	C. Avinash Reddy	22941A3909	AIML	IV Sem	C. Avinash
	M. Yamini	22941A3931	AIML	IV Sem	Yamini
	M. Shiva	22941A3933	AIML	IV Sem	Shiva
	R. Sathvika	22941A3944	AIML	IV th	Sathvika
	C. Sri Lakshmi	22941A3906	AIML	IV Sem	C. Sri Lakshmi
	L. Vaishnavi	22941A3926	AIML	IV th	Vaishnavi
	S. Yaswani	22941A3941	AIML	IV th	Yaswani
	M. Jaygi	22941A3930	AIML	IV	Jaygi
	N. Amrutha	22941A3934	AIML	IV	Amrutha
	B. Poojitha	22941A3905	AIML	IV Sem	B. Poojitha
	M. Vijay Sai	22941A3928	AIML	IV th	Sai

C. Manasa	22941A3907	AI&ML	IV Sem	C. Manasa
S. Ayon Ahamed	22941A3947	AI&ML	IV Sem	SA
S. Javeed Ahammad	22941A3950	AI&ML	IV Sem	SA
S. Guru Mohan	22941A3956	AI&ML	IV Sem	SA
C. Jaya Simha	22941A3911	AI&ML	IV Sem	C. Jaya Simha
S. Takeer	22941A3949	AI&ML	IV Sem	SA
S. Beebi Zainab	22941A3959	AI&ML	IV th	B
S. Mohammed Basha	22941A3951	AI&ML	IV th	Basha
P. Vishwanath	22941A3942	AI&ML	IV Sem	P. Vishwanath
C. Indraje	22941A3908	AI&ML	IV Sem	C. Indraje
P. yasaswini	22941A3941	AI&ML	IV Sem	SA
S. Sree lakshmi	22941A3958	AI&ML	IV th	SA
S. Mahak	22941A3954	AI&ML	IV th Sem	SA
S. TOUFIQ HUSSAIN	22941A3960	AI&ML	IV th Sem	SA
V. Swetha	22941A3962	AI&ML	IV th	SA
C. Hema Priyanka	22941A3910	AI&ML	IV Sem	C. Hema
S. MD. Mushtaq	22941A3952	AI&ML	IV Sem	SA
S. Reethy Nandini	22941A3957	AI&ML	IV th	SA
V. Arkhila	22941A3961	AI&ML	IV th	SA
K. Abhiraya	22941A3924	AI&ML	IV Sem	K. Abhiraya
R. Pavan Kumar	22941A3943	AI&ML	IV Sem	R. Pavan
S. Inam Khasim	22941A3948	AI&ML	IV Sem	SA
S. Shabeera Suthara	22941A3955	AI&ML	IV Sem	S. Shabeera



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Department of Artificial Intelligence & Machine Learning

“MIT App Inventor” Syllabus

Module 1:

Introduction to MIT App Inventor : Simple Echo App , Overview of sensor in Android , Talk to me App ; Ball bounce App, Paintpot App , Mobile browser App , Overview of Interface Component ,Engineering and Debugging App ,Practice

Module 2:

No Text while Driving App,Where's my car App, Student Project Idea Conception. Overview of Layout Components , Camcorder App ,Demo App on sensors , Talktome App using accelerometer sensors ,SMS Texting App ,Practice

Module 3:

Overview of Interface Components, Engineering and Debugging App , Animations App ,GPS Location Tracking App , Google Doodle App

Module 4:

Contact picker App ,No Text while driving App , Paris Map Tour App ,Lady bug chase App , Make and Take Quiz App , Registration Form App ,

Module 5:

Database Concept , Loginpage App , Calculator App , Registration App



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SCHEDULE

Department of Artificial Intelligence and Machine Learning

Value Added Course

On

“MIT App Inventor” From 04/03/2024 to 24/03/2024

Date	Timing	Resource Person	Topic to be covered
04/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	Introduction to MIT App Inventor <ul style="list-style-type: none">• Simple Echo App• Overview of sensor in Android
05/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none">• Talk to me App• Ball bounce App
06/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none">• Paintpot App• Mobile browser App
07/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none">• Overview of Interface Component• Engineering and Debugging App
08/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none">• Animations App• GPS Location Tracking App
09/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none">• Google Doodle App
10/03/2024	9 AM to 1 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none">• Overview of Layout Components• Practical session
11/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none">• Camcorder App• Demo App on sensors
12/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none">• Talktome App using accelerometer sensors• SMS Texting App
13/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none">• Contact picker App• No Text while driving App
14/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none">• Paris Map Tour App

			<ul style="list-style-type: none"> • Lady bug chase App
15/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none"> • Make and Take Quiz App
16/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none"> • Registration Form App
18/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none"> • Practical Session
19/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none"> • Database Concept
20/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none"> • Loginpage App
21/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none"> • Calculator App
22/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none"> • Registration App
23/03/2024	4 PM to 6 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none"> • Practice Sessions
24/03/2024	9AM to 12 PM	Mr. K.Shalivahana Reddy	<ul style="list-style-type: none"> • Assessment and Certificate Distribution



Resource Person(s)



Coordinator(s)



HoD

Dr. K. SRINIVASA RAO, M.Tech., Ph.D.
 Professor & HOD AIML
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36	229Y1A3961	VALLEPU AKHILA(W)	A	A	*	A	A	*	A	A	A	*	*	*	A	A	*	*	*	*	*	*	*	*	*	*	
37	229Y1A3962	VELLATUR SWETHA(W)	d	d	d	d	d	d	d	d	d	d	d	d	d	A	d	d	d	d	d	d	d	d	d	d	d
38	229Y1A3963	VENNAPUSA GOWTHAMI(W)	v.g	v.g	A	v.g	v.g	v.g	v.g	v.g	v.g	v.g	v.g	v.g	v.g	v.g	v.g	v.g	v.g	v.g	v.g	v.g	v.g	v.g	v.g	v.g	v.g
39	229Y1A3964	ZALLI SATHWIK	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z

gcp
Coordinator(s)

KSRao

HoD

Dr. K. SRINIVASA RAO, M.Tech., Ph.D.
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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Value Added Course on “MIT App Inventor” Department of AIML



04/03/2024 to
24/03/2024



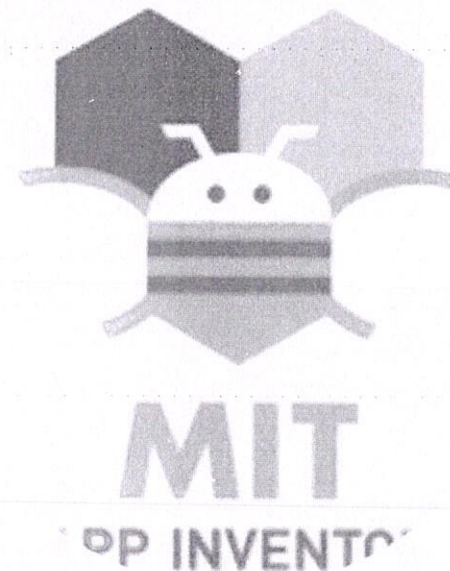
207
E BLOCK

Co-ordinator

Mr. G.Chakrapani
Assistant Professor
AIML Dept.,

Resource Person

Mr. K.Shalivahana Reddy,
Assistant Professor
AIML Dept.,



Dr. V.S.S. Murthy
(Principal)

Dr. Kandola Chandra Obul Reddy
(MD, KGI)

Smt. K.Rajeswari
(Correspondent, Secretary, Treasurer)

Sri K. Madan Mohan Reddy
(Vice - Chairman)

Sri K. Raja Mohan Reddy
(Chairman)

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Activity Report
Value Added Course
on
"MIT App Inventor"

04/03/2024 to 24/03/2024(4.00 PM to 6.00PM)

Target Group	:	Students
Details of Participants	:	39 Students
Co-coordinator(s)	:	Mr. G.Chakrapani
Resource Person(s)	:	Mr. K. Shalivahana Reddy
Organizing Department	:	Artificial Intelligence and Machine Learning
Venue	:	AI 207 (Python Programming Lab)

Description:

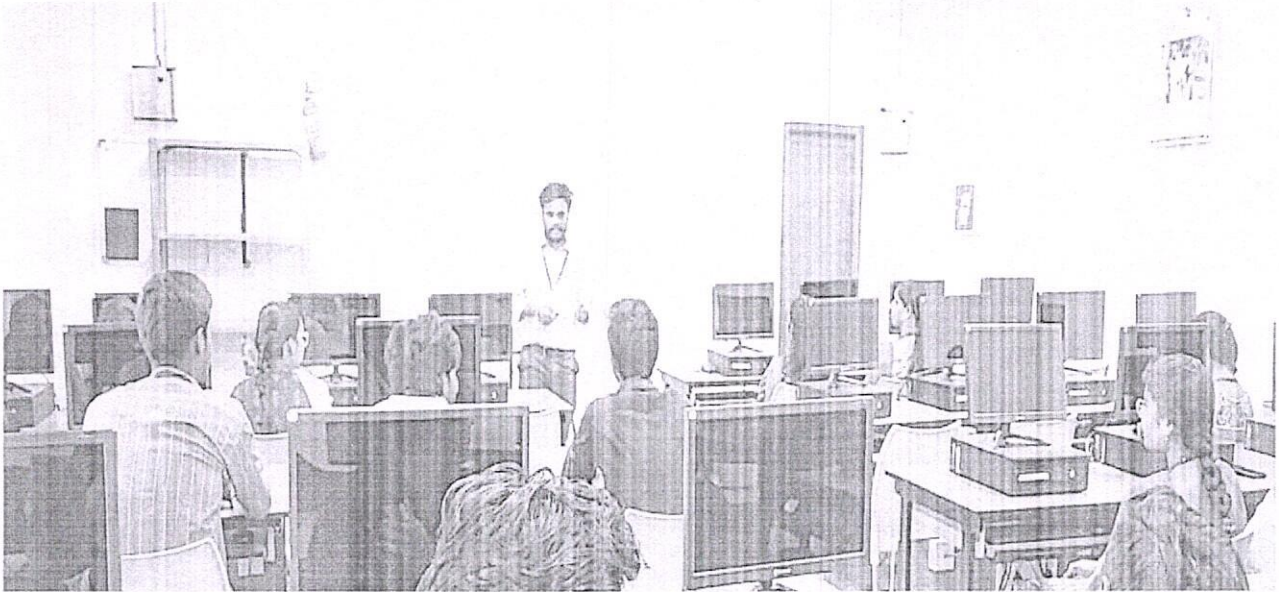
The Department of Artificial Intelligence and Machine Learning conducted a Value Added Course on "MIT App Inventor" from 4th March 2024 to 24th March 2024. The course Resource Person is Mr. K. Shalivahana Reddy, Assistant Professor in Department of Artificial Intelligence and Machine Learning, KSRMCE.

This course is designed to provide complete knowledge on MIT App inventor and its Applications. Students will gain hands-on experience with real-world datasets and industry-standard tools. Mainly focused on the following:

With this value added course students enhanced their knowledge in the MIT App Inventor project seeks to democratize software development by empowering all people, especially young people, to move the technology consumption to technology creation.

Photos

The pictures taken during the course are given below:



Coordinator Mr. G.Chakrapani briefing the session



Resource person Mr. K. Shalivahana Reddy monitoring the session

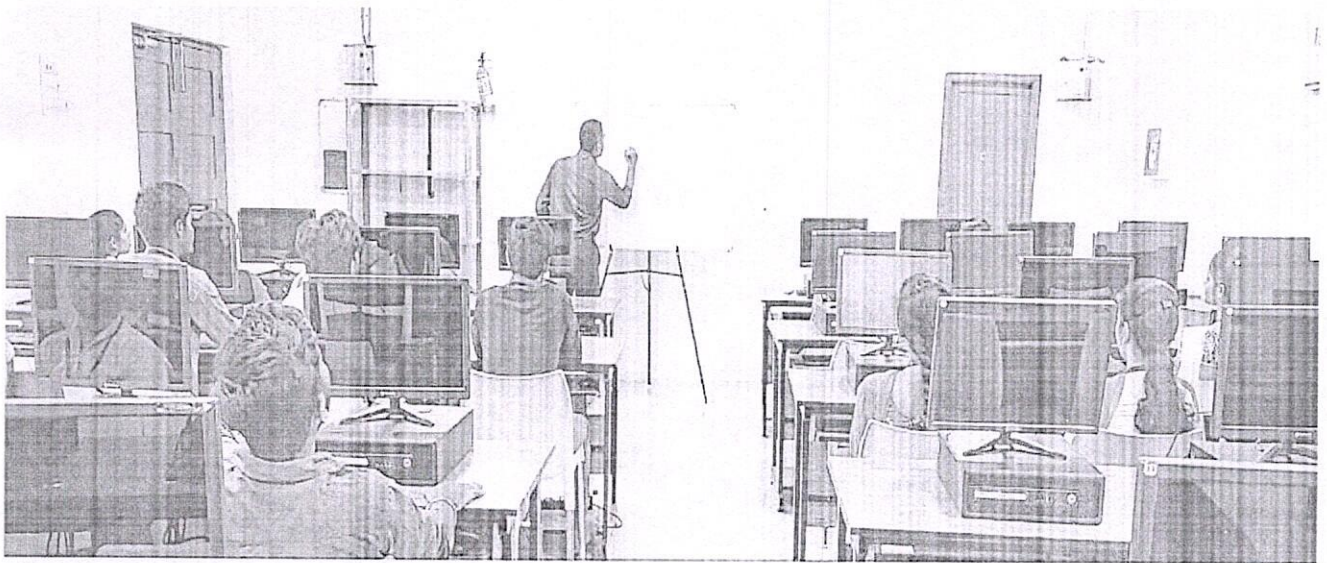


KSRM College of Engineering Bus Stop, Kadapa Rd, Krishnapuram, Andhra Pradesh 516003, India

Latitude **14.478852°** Longitude **78.765038°**


LOCAL 16:23:04 GMT 10:53:04 MONDAY 11.03.2024 ALTITUDE 75 METER

Value Added Course "MIT APP Inventor", monitored by AI&ML dept. HoD Prof. K. Srinivasa Rao



Resource person Mr. K. Shalivahana Reddy explaining about the procedure of App


Coordinator(s)

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

**VALUE ADDED /CERTIFICATE COURSE ON
"MIT App Inventor" FROM 04/03/2024 to 24/03/2024**

ASSESSMENT TEST

Roll Number: _____ **Name of the Student:** _____

Time: 20 Min (Objective Questions) **Max.Marks: 20**

Note: Answer the following Questions and each question carries **one** mark.

1. Which of the following best describes MIT App Inventor? []
A) A programming language for web development B) A graphical interface for creating Android apps C) A game development platform D) A database management system
2. What is the primary programming paradigm used in MIT App Inventor? []
A) Object-oriented programming B) Functional programming C) Event-driven programming
D) Procedural programming
3. Which component in MIT App Inventor is used to display text and images? []
A) Canvas B) Button C) Label D) ListPicker
4. Which of the following blocks in MIT App Inventor is used to store data persistently on a device? A) Web component B) TinyDB component C) Clock component D) TextToSpeech component
5. In MIT App Inventor, what is a "block"? []
A) A section of code that is always executed B) A visual representation of a command or operation C) A placeholder for comments in the code D) A variable that can change its value during execution
6. Which of the following is NOT a feature of MIT App Inventor? []
A) Live debugging of apps on physical devices B) Integration with cloud-based databases
C) Real-time collaboration on app development D) Built-in support for iOS app development

7. How does MIT App Inventor handle complex logic and conditions? []

A) Using traditional text-based coding syntax B) Through drag-and-drop of logic gates

C) By integrating with external scripting languages D) By nesting blocks and using conditional logic blocks

8. Which component in MIT App Inventor allows users to detect and respond to changes in device orientation? []

A) AccelerometerSensor B) LocationSensor C) OrientationSensor D) ProximitySensor

9. What does the term "APK" stand for in the context of MIT App Inventor? []

A) Android Package Kit B) App Programming Kit C) App Preview Key D) Advanced Programming Knowledge

10. Which of the following platforms can apps created with MIT App Inventor be published to? []

A) Android only B) iOS only C) Both Android and iOS D) Web browsers

11. What is the purpose of the 'Blocks' view in MIT App Inventor? []

A. To design the visual layout of the app B. To configure app settings C. To define the app's behavior using code blocks D. To preview the app on different devices

12. In MIT App Inventor, how can you test your app on a real device during development? []

A. By using the Emulator B. By using the MIT AI2 Companion app C. By exporting and installing the APK file D. By running the app in a web browser

13. Which component would you use to store data locally on a user's device in MIT App Inventor? []

A. Database B. Cloud Storage C. TinyDB D. File System

14. How can you share your MIT App Inventor project with others for collaboration? []

A. By exporting the project as an APK file
B. By sharing the QR code
C. By exporting the project as an AIA file
D. By providing the project URL

15. What is the function of the 'Designer' view in MIT App Inventor? []

- A. To write and edit code
- B. To design the user interface
- C. To debug the application
- D. To manage app permissions

16. Which component is used in MIT App Inventor to play sound files? []

- A. SoundPlayer
- B. AudioPlayer
- C. Sound
- D. MediaPlayer

17. In MIT App Inventor, what component would you use to detect user interaction with the screen? []

- A. Label
- B. Button
- C. Sensor
- D. Clock

18. Which of the following platforms is NOT supported by MIT App Inventor for app deployment? []

- A. Android
- B. iOS
- C. Windows Phone
- D. None of the above

19. Which programming paradigm does MIT App Inventor primarily utilize? []

- A. Object-oriented programming
- B. Functional programming
- C. Block-based visual programming
- D. Procedural programming

20. What is MIT App Inventor primarily used for? []

- A. Web development
- B. Mobile app development
- C. Desktop software development
- D. Game development

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

VALUE ADDED /CERTIFICATE COURSE ON
"MIT App Inventor" FROM 04/03/2024 to 24/03/2024

(17)

ASSESSMENT TEST

Roll Number: 2294CA3905 Name of the Student: B. pojittha

Time: 20 Min (Objective Questions) Max.Marks: 20

Note: Answer the following Questions and each question carries one mark.

- Which of the following best describes MIT App Inventor? [c] ✗
A) A programming language for web development B) A graphical interface for creating Android apps C) A game development platform D) A database management system
- What is the primary programming paradigm used in MIT App Inventor? [c] ✓
A) Object-oriented programming B) Functional programming C) Event-driven programming
D) Procedural programming
- Which component in MIT App Inventor is used to display text and images? [c] ✓
A) Canvas B) Button C) Label D) ListPicker
- Which of the following blocks in MIT App Inventor is used to store data persistently on a device? A) Web component B) TinyDB component C) Clock component D) TextToSpeech component [b] ✓
- In MIT App Inventor, what is a "block"? [b] ✓
A) A section of code that is always executed B) A visual representation of a command or operation C) A placeholder for comments in the code D) A variable that can change its value during execution
- Which of the following is NOT a feature of MIT App Inventor? [d] ✓
A) Live debugging of apps on physical devices B) Integration with cloud-based databases
C) Real-time collaboration on app development D) Built-in support for iOS app development

7. How does MIT App Inventor handle complex logic and conditions?

d

- A) Using traditional text-based coding syntax B) Through drag-and-drop of logic gates
C) By integrating with external scripting languages D) By nesting blocks and using conditional logic blocks

8. Which component in MIT App Inventor allows users to detect and respond to changes in device orientation?

c

- A) AccelerometerSensor B) LocationSensor C) OrientationSensor D) ProximitySensor

9. What does the term "APK" stand for in the context of MIT App Inventor?

a

- A) Android Package Kit B) App Programming Kit C) App Preview Key D) Advanced Programming Knowledge

10. Which of the following platforms can apps created with MIT App Inventor be published to?

a

- A) Android only B) iOS only C) Both Android and iOS D) Web browsers

11. What is the purpose of the 'Blocks' view in MIT App Inventor?

c

- A. To design the visual layout of the app B. To configure app settings C. To define the app's behavior using code blocks D. To preview the app on different devices

12. In MIT App Inventor, how can you test your app on a real device during development?

b

- A. By using the Emulator B. By using the MIT AI2 Companion app C. By exporting and installing the APK file D. By running the app in a web browser

13. Which component would you use to store data locally on a user's device in MIT App Inventor?

c

- A. Database B. Cloud Storage C. TinyDB D. File System

14. How can you share your MIT App Inventor project with others for collaboration?

c

- A. By exporting the project as an APK file
B. By sharing the QR code
C. By exporting the project as an AIA file
D. By providing the project URL

15. What is the function of the 'Designer' view in MIT App Inventor?

b

A. To write and edit code B. To design the user interface C. To debug the application
D. To manage app permissions

16. Which component is used in MIT App Inventor to play sound files?

|b|



A. SoundPlayer B. AudioPlayer C. Sound D. MediaPlayer

17. In MIT App Inventor, what component would you use to detect user interaction with the screen?

|b|



A. Label B. Button C. Sensor D. Clock

18. Which of the following platforms is NOT supported by MIT App Inventor for app deployment?

]

|c|

A. Android B. iOS C. Windows Phone D. None of the above

19. Which programming paradigm does MIT App Inventor primarily utilize?

|c|

A. Object-oriented programming B. Functional programming C. Block-based visual programming
D. Procedural programming

20. What is MIT App Inventor primarily used for?

|a|



A. Web development B. Mobile app development C. Desktop software development D. Game development

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

VALUE ADDED /CERTIFICATE COURSE ON
"MIT App Inventor" FROM 04/03/2024 to 24/03/2024

18

ASSESSMENT TEST

Roll Number: 22941A3911 Name of the Student: C. Jaya Simha

Time: 20 Min

(Objective Questions)

Max.Marks: 20

Note: Answer the following Questions and each question carries **one** mark.

1. Which of the following best describes MIT App Inventor?

[b] ✓

A) A programming language for web development B) A graphical interface for creating Android apps C) A game development platform D) A database management system

2. What is the primary programming paradigm used in MIT App Inventor?

[c] ✓

A) Object-oriented programming B) Functional programming C) Event-driven programming
D) Procedural programming

3. Which component in MIT App Inventor is used to display text and images?

[c] ✓

A) Canvas B) Button C) Label D) ListPicker

4. Which of the following blocks in MIT App Inventor is used to store data persistently on a device? A) Web component B) TinyDB component C) Clock component D) TextToSpeech component

[b] ✓

5. In MIT App Inventor, what is a "block"?

[a] ✓

A) A section of code that is always executed B) A visual representation of a command or operation C) A placeholder for comments in the code D) A variable that can change its value during execution

6. Which of the following is NOT a feature of MIT App Inventor?

[d] ✓

A) Live debugging of apps on physical devices B) Integration with cloud-based databases
C) Real-time collaboration on app development D) Built-in support for iOS app development

7. How does MIT App Inventor handle complex logic and conditions?

d

A) Using traditional text-based coding syntax B) Through drag-and-drop of logic gates

C) By integrating with external scripting languages D) By nesting blocks and using conditional logic blocks

8. Which component in MIT App Inventor allows users to detect and respond to changes in device orientation?

c

A) AccelerometerSensor B) LocationSensor C) OrientationSensor D) ProximitySensor

9. What does the term "APK" stand for in the context of MIT App Inventor?

a

A) Android Package Kit B) App Programming Kit C) App Preview Key D) Advanced Programming Knowledge

10. Which of the following platforms can apps created with MIT App Inventor be published to?

a

A) Android only B) iOS only C) Both Android and iOS D) Web browsers

11. What is the purpose of the 'Blocks' view in MIT App Inventor?

a

A. To design the visual layout of the app B. To configure app settings C. To define the app's behavior using code blocks D. To preview the app on different devices

12. In MIT App Inventor, how can you test your app on a real device during development?

b

A. By using the Emulator B. By using the MIT AI2 Companion app C. By exporting and installing the APK file D. By running the app in a web browser

13. Which component would you use to store data locally on a user's device in MIT App Inventor?

c

A. Database B. Cloud Storage C. TinyDB D. File System

14. How can you share your MIT App Inventor project with others for collaboration?

c

A. By exporting the project as an APK file
B. By sharing the QR code
C. By exporting the project as an AIA file
D. By providing the project URI.

15. What is the function of the 'Designer' view in MIT App Inventor?

b

A. To write and edit code B. To design the user interface C. To debug the application
D. To manage app permissions

16. Which component is used in MIT App Inventor to play sound files? [c] ✓

A. SoundPlayer B. AudioPlayer C. Sound D. MediaPlayer

17. In MIT App Inventor, what component would you use to detect user interaction with the screen? [b] ✓

A. Label B. Button C. Sensor D. Clock

18. Which of the following platforms is NOT supported by MIT App Inventor for app deployment? [c] ✓

A. Android B. iOS C. Windows Phone D. None of the above

19. Which programming paradigm does MIT App Inventor primarily utilize? [c] ✓

A. Object-oriented programming B. Functional programming C. Block-based visual programming
D. Procedural programming

20. What is MIT App Inventor primarily used for? [a] ✓

A. Web development B. Mobile app development C. Desktop software development D. Game development

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003
DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

VALUE ADDED /CERTIFICATE COURSE ON
"MIT App Inventor" FROM 04/03/2024 to 24/03/2024

ASSESSMENT TEST

18

Roll Number: 22941A3929 Name of the Student: M.Hitesh

Time: 20 Min

(Objective Questions)

Max.Marks: 20

Note: Answer the following Questions and each question carries **one** mark.

1. Which of the following best describes MIT App Inventor?

[a] ✓

A) A programming language for web development B) A graphical interface for creating Android apps C) A game development platform D) A database management system

2. What is the primary programming paradigm used in MIT App Inventor?

[c] ✓

A) Object-oriented programming B) Functional programming C) Event-driven programming
D) Procedural programming

3. Which component in MIT App Inventor is used to display text and images?

[c] ✓

A) Canvas B) Button C) Label D) ListPicker

4. Which of the following blocks in MIT App Inventor is used to store data persistently on a device? A) Web component B) TinyDB component C) Clock component D) TextToSpeech component

[b] ✓

5. In MIT App Inventor, what is a "block"?

[b] ✓

A) A section of code that is always executed B) A visual representation of a command or operation C) A placeholder for comments in the code D) A variable that can change its value during execution

6. Which of the following is NOT a feature of MIT App Inventor?

[d] ✓

A) Live debugging of apps on physical devices B) Integration with cloud-based databases

C) Real-time collaboration on app development D) Built-in support for iOS app development

7. How does MIT App Inventor handle complex logic and conditions? |d| ✓

- A) Using traditional text-based coding syntax
- B) Through drag-and-drop of logic gates
- C) By integrating with external scripting languages
- D) By nesting blocks and using conditional logic blocks

8. Which component in MIT App Inventor allows users to detect and respond to changes in device orientation? |c| ✓

- A) AccelerometerSensor
- B) LocationSensor
- C) OrientationSensor
- D) ProximitySensor

9. What does the term "APK" stand for in the context of MIT App Inventor? |a| ✓

- A) Android Package Kit
- B) App Programming Kit
- C) App Preview Key
- D) Advanced Programming Knowledge

10. Which of the following platforms can apps created with MIT App Inventor be published to? |d| ✓

- A) Android only
- B) iOS only
- C) Both Android and iOS
- D) Web browsers

11. What is the purpose of the 'Blocks' view in MIT App Inventor? |c| ✓

- A. To design the visual layout of the app
- B. To configure app settings
- C. To define the app's behavior using code blocks
- D. To preview the app on different devices

12. In MIT App Inventor, how can you test your app on a real device during development? |b| ✓

- A. By using the Emulator
- B. By using the MIT AI2 Companion app
- C. By exporting and installing the APK file
- D. By running the app in a web browser

13. Which component would you use to store data locally on a user's device in MIT App Inventor? |c| ✓

- A. Database
- B. Cloud Storage
- C. TinyDB
- D. File System

14. How can you share your MIT App Inventor project with others for collaboration? |c| ✓

- A. By exporting the project as an APK file
- B. By sharing the QR code
- C. By exporting the project as an AIA file
- D. By providing the project URL

15. What is the function of the 'Designer' view in MIT App Inventor? |b| ✓

A. To write and edit code B. To design the user interface C. To debug the application
D. To manage app permissions

16. Which component is used in MIT App Inventor to play sound files?

[c] ✓

A. SoundPlayer B. AudioPlayer C. Sound D. MediaPlayer

17. In MIT App Inventor, what component would you use to detect user interaction with the screen?

[b] ✓

A. Label B. Button C. Sensor D. Clock

18. Which of the following platforms is NOT supported by MIT App Inventor for app deployment?

[c] ✓

]

A. Android B. iOS C. Windows Phone D. None of the above

19. Which programming paradigm does MIT App Inventor primarily utilize?

[c] ✓

A. Object-oriented programming B. Functional programming C. Block-based visual programming
D. Procedural programming

20. What is MIT App Inventor primarily used for?

[a] ✓

A. Web development B. Mobile app development C. Desktop software development D. Game development

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

VALUE ADDED /CERTIFICATE COURSE ON
"MIT App Inventor" FROM 04/03/2024 to 24/03/2024

ASSESSMENT TEST

12

Roll Number: 22971A3958 Name of the Student: S. Sree Lalshini

Time: 20 Min

(Objective Questions)

Max.Marks: 20

Note: Answer the following Questions and each question carries one mark.

1. Which of the following best describes MIT App Inventor?

[b] ✓

A) A programming language for web development B) A graphical interface for creating Android apps C) A game development platform D) A database management system

2. What is the primary programming paradigm used in MIT App Inventor?

[c] ✓

A) Object-oriented programming B) Functional programming C) Event-driven programming
D) Procedural programming

3. Which component in MIT App Inventor is used to display text and images?

[c] ✓

A) Canvas B) Button C) Label D) ListPicker

4. Which of the following blocks in MIT App Inventor is used to store data persistently on a device? A) Web component B) TinyDB component C) Clock component D) TextToSpeech component

[b] ✓

5. In MIT App Inventor, what is a "block"?

[b] ✓

A) A section of code that is always executed B) A visual representation of a command or operation C) A placeholder for comments in the code D) A variable that can change its value during execution

6. Which of the following is NOT a feature of MIT App Inventor?

[b] ✗

A) Live debugging of apps on physical devices B) Integration with cloud-based databases

C) Real-time collaboration on app development D) Built-in support for iOS app development

7. How does MIT App Inventor handle complex logic and conditions?

|d| ✓

- A) Using traditional text-based coding syntax
- B) Through drag-and-drop of logic gates
- C) By integrating with external scripting languages
- D) By nesting blocks and using conditional logic blocks

8. Which component in MIT App Inventor allows users to detect and respond to changes in device orientation?

|a| ✓

- A) AccelerometerSensor
- B) LocationSensor
- C) OrientationSensor
- D) ProximitySensor

9. What does the term "APK" stand for in the context of MIT App Inventor?

|a| ✓

- A) Android Package Kit
- B) App Programming Kit
- C) App Preview Key
- D) Advanced Programming Knowledge

10. Which of the following platforms can apps created with MIT App Inventor be published to?

|b| ✓

- A) Android only
- B) iOS only
- C) Both Android and iOS
- D) Web browsers

11. What is the purpose of the 'Blocks' view in MIT App Inventor?

|a| ✓

- A. To design the visual layout of the app
- B. To configure app settings
- C. To define the app's behavior using code blocks
- D. To preview the app on different devices

12. In MIT App Inventor, how can you test your app on a real device during development?

|b| ✓

- A. By using the Emulator
- B. By using the MIT AI2 Companion app
- C. By exporting and installing the APK file
- D. By running the app in a web browser

13. Which component would you use to store data locally on a user's device in MIT App Inventor?

|d| ✓

- A. Database
- B. Cloud Storage
- C. TinyDB
- D. File System

14. How can you share your MIT App Inventor project with others for collaboration?

|a| ✓

- A. By exporting the project as an APK file
- B. By sharing the QR code
- C. By exporting the project as an AIA file
- D. By providing the project URL

15. What is the function of the 'Designer' view in MIT App Inventor?

|c| ✓

A. To write and edit code B. To design the user interface C. To debug the application
D. To manage app permissions

16. Which component is used in MIT App Inventor to play sound files?

[c] ✓

A. SoundPlayer B. AudioPlayer C. Sound D. MediaPlayer

17. In MIT App Inventor, what component would you use to detect user interaction with the screen?

[b] ✓

A. Label B. Button C. Sensor D. Clock

18. Which of the following platforms is NOT supported by MIT App Inventor for app deployment?

]

[d] ✓

A. Android B. iOS C. Windows Phone D. None of the above

19. Which programming paradigm does MIT App Inventor primarily utilize?

[d] ✓

A. Object-oriented programming B. Functional programming C. Block-based visual programming
D. Procedural programming

20. What is MIT App Inventor primarily used for?

[b] ✓

A. Web development B. Mobile app development C. Desktop software development D. Game development

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

VALUE ADDED /CERTIFICATE COURSE ON
"MIT App Inventor" FROM 04/03/2024 to 24/03/2024

ASSESSMENT TEST

15

Roll Number: 22941A3960 Name of the Student: S. Toufiq Hamid

Time: 20 Min (Objective Questions) Max.Marks: 20

Note: Answer the following Questions and each question carries **one** mark.

1. Which of the following best describes MIT App Inventor? [a] ✓
A) A programming language for web development B) A graphical interface for creating Android apps
C) A game development platform D) A database management system
2. What is the primary programming paradigm used in MIT App Inventor? [c] ✓
A) Object-oriented programming B) Functional programming C) Event-driven programming
D) Procedural programming
3. Which component in MIT App Inventor is used to display text and images? [c] ✓
A) Canvas B) Button C) Label D) ListPicker
4. Which of the following blocks in MIT App Inventor is used to store data persistently on a device? [b] ✓
A) Web component B) TinyDB component C) Clock component D) TextToSpeech component
5. In MIT App Inventor, what is a "block"? [b] ✓
A) A section of code that is always executed B) A visual representation of a command or operation
C) A placeholder for comments in the code D) A variable that can change its value during execution
6. Which of the following is NOT a feature of MIT App Inventor? [a] ✓
A) Live debugging of apps on physical devices B) Integration with cloud-based databases
C) Real-time collaboration on app development D) Built-in support for iOS app development

7. How does MIT App Inventor handle complex logic and conditions?

| d | ✓

- A) Using traditional text-based coding syntax
- B) Through drag-and-drop of logic gates
- C) By integrating with external scripting languages
- D) By nesting blocks and using conditional logic blocks

8. Which component in MIT App Inventor allows users to detect and respond to changes in device orientation?

| c | ✓

- A) AccelerometerSensor
- B) LocationSensor
- C) OrientationSensor
- D) ProximitySensor

9. What does the term "APK" stand for in the context of MIT App Inventor?

| b | ✓

- A) Android Package Kit
- B) App Programming Kit
- C) App Preview Key
- D) Advanced Programming Knowledge

10. Which of the following platforms can apps created with MIT App Inventor be published to?

| a | ✓

- A) Android only
- B) iOS only
- C) Both Android and iOS
- D) Web browsers

11. What is the purpose of the 'Blocks' view in MIT App Inventor?

| c | ✓

- A. To design the visual layout of the app
- B. To configure app settings
- C. To define the app's behavior using code blocks
- D. To preview the app on different devices

12. In MIT App Inventor, how can you test your app on a real device during development?

| b | ✓

- A. By using the Emulator
- B. By using the MIT AI2 Companion app
- C. By exporting and installing the APK file
- D. By running the app in a web browser

13. Which component would you use to store data locally on a user's device in MIT App Inventor?

| c | ✓

- A. Database
- B. Cloud Storage
- C. TinyDB
- D. File System

14. How can you share your MIT App Inventor project with others for collaboration?

| b | ✓

- A. By exporting the project as an APK file
- B. By sharing the QR code
- C. By exporting the project as an AIA file
- D. By providing the project URL

15. What is the function of the 'Designer' view in MIT App Inventor?

| b | ✓

- A. To write and edit code
- B. To design the user interface
- C. To debug the application
- D. To manage app permissions

16. Which component is used in MIT App Inventor to play sound files? [a]

- A. SoundPlayer
- B. AudioPlayer
- C. Sound
- D. MediaPlayer

17. In MIT App Inventor, what component would you use to detect user interaction with the screen? [b]

- A. Label
- B. Button
- C. Sensor
- D. Clock

18. Which of the following platforms is NOT supported by MIT App Inventor for app deployment?

- A. Android
- B. iOS
- C. Windows Phone
- D. None of the above

19. Which programming paradigm does MIT App Inventor primarily utilize? [c]

- A. Object-oriented programming
- B. Functional programming
- C. Block-based visual programming
- D. Procedural programming

20. What is MIT App Inventor primarily used for? [a]


- A. Web development
- B. Mobile app development
- C. Desktop software development
- D. Game development

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
VALUE ADDED/CERTIFICATE COURSE ON
“MIT App Inventor” FROM 04/03/2024 to 24/03/2024

AWARD LIST

S.NO	Roll Number	Name of the Student	Marks Obtained
1	229Y1A3905	BOYA POOJITHA(W)	17
2	229Y1A3906	C SAI SRI LAKSHMI(W)	15
3	229Y1A3907	CHADIVE MANASA(W)	16
4	229Y1A3908	CHANDA INDRAJA(W)	14
5	229Y1A3909	CHAPPIDI AVINASH REDDY	18
6	229Y1A3910	C HEMA PRIYANKA(W)	17
7	229Y1A3911	CHEPURI JAYA SIMHA	18
8	229Y1A3924	K ABHINAYA SRI(W)	15
9	229Y1A3926	LAKSHMI VAISHNAVI(W)	17
10	229Y1A3927	MAJJARI UMA DEVI(W)	17
11	229Y1A3928	MANDURU VIJAY SAI	14
12	229Y1A3929	MEKALA HITESH	18
13	229Y1A3930	M MOHAMMED TAYYIB	15
14	229Y1A3931	MERUVA YAMINI(W)	18
15	229Y1A3932	M MOHAMMED GHANI BAIG	17
16	229Y1A3933	MYLA SIVA	16
17	229Y1A3934	N AMRUTHA VARSHINI(W)	17
18	229Y1A3941	PURAM YASASWINI(W)	16
19	229Y1A3942	R VISHWANATH REDDY	18
20	229Y1A3943	R PAVAN KUMAR	19
21	229Y1A3944	RUDRA SATHVIKA(W)	17
22	229Y1A3945	S YASASWANI(W)	16
23	229Y1A3947	SHAIK AYAAN AHAMED	19
24	229Y1A3948	SHAIK IMAM KHASIM	18
25	229Y1A3949	SHAIK JAKEER	17
26	229Y1A3950	SHAIK JAVEED AHAMMAD	17
27	229Y1A3951	SHAIK MOHAMMED BASHA	13
28	229Y1A3952	S MOHAMMED MUSHTAQ	16
29	229Y1A3954	S SAFIYA MEHAK(W)	17
30	229Y1A3955	S SHAHEENA SULTANA(W)	16
31	229Y1A3956	S GURU MOHAN REDDY	17
32	229Y1A3957	SIRIGI REDDY NANDINI(W)	13
33	229Y1A3958	S SREE LAKSHMI(W)	12

34	229Y1A3959	SYED BEEBI ZAINAB(W)	16
35	229Y1A3960	SYED TOUFIQ HUSSAIN	15
36	229Y1A3961	VALLEPU AKHILA(W)	18
37	229Y1A3962	VELLATUR SWETHA(W)	17
38	229Y1A3963	VENNAPUSA GOWTHAMI(W)	16
39	229Y1A3964	ZALLI SATHWIK	19


Coordinator(s)


HoD

Dr. K. SRINIVASA RAO, M.Tech., Ph.D.
Professor & HOD AIML
K.S.R.M. College of Engineering
(Autonomous)
KADAPA- 516 005. (A.P.)



KSRM COLLEGE OF ENGINEERING

(UGC - AUTONOMOUS)

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu
Kadapa, Andhra Pradesh, India - 516 003



Certificate of Completion

This is to Certified that Mr./Ms. Ms. Samiritha Reddy Bearing
the roll number 22941A3930 has successfully completed

Value Added course on "MIT App Inventor" from 04/03/2024 to 20/03/2024. Organized
by Department of Artificial Intelligence and Machine Learning, KSRMCE, Kadapa

G. Chakrapani,
Co-Ordinator

Dr. K. Srinivasa Rao
HOD-AI&ML

Dr. V. S. S. Murthy Principal,
KSRMCE



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Kadapa, Andhra Pradesh, India - 516 003



KSNR

This is to Certified that Mr./Ms. S. Javeed Ahomad Bearing
the roll number 22911A3950 has successfully completed

Value Added course on "MIT App Inventor" from 04/03/2024 to 20/03/2024. Organized
by Department of Artificial Intelligence and Machine Learning, KSRMCE, Kadapa

G. Chakrapani,
Co-Ordinator

Dr. K. Srinivasa Rao
HOD- AI&ML

Dr. V.S.S. Murthy Principal,
KSRMCE



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Kadapa, Andhra Pradesh, India - 516 003



KSNR

This is to Certified that Mr./Ms. S. Guru Mohan Reddy Bearing
the roll number 22911A3956 has successfully completed

Value Added course on "MIT App Inventor" from 04/03/2024 to 20/03/2024. Organized
by Department of Artificial Intelligence and Machine Learning, KSRMCE, Kadapa

G.Chakrapani,
Co-Oridinator

Dr.K.Srinivasa Rao
HOD-AI&ML

Dr. V.S.S. Murthy Principal,
KSRMCE



KSRMCE DEPARTMENT OF ENGINEERING

(UGC - AUTONOMOUS)

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Kadapa, Andhra Pradesh, India - 516 003

KSNR

This is to Certified that Mr./Ms. M. Yamini Bearing
the roll number 229Y1A3931 has successfully completed

Value Added course on "MIT App Inventor" from 04/03/2024 to 20/03/2024. Organized
by Department of Artificial Intelligence and Machine Learning, KSRMCE, Kadapa

G. Chakrapani,
Co-Ordinator

Dr. K. Srinivasa Rao
HOD- AI&ML

Dr. V.S.S. Murthy Principal,
KSRMCE

Feedback form on Value Added Course "MIT App Inventor" from 04/03/2024 to 24/03/2024

chakrapani.g@ksrmce.ac.in

* Indicates required question

1. Roll Number * *

2. Name of the Student * *

3. The objectives of the Value Added Course were met (Objective) *

Mark only one oval.

- Excellent
- Good
- Satisfactory
- Poor

4. The content of the course was organized and easy to follow (Delivery) *

Mark only one oval.

- Excellent
- Good
- Satisfactory
- Poor

5. The Resource Persons were well prepared and able to answer any question (Interaction) *

Mark only one oval.

- Excellent
 Good
 Satisfactory
 Poor

6. The exercises/role play were helpful and relevant (Syllabus Coverage) *

Mark only one oval.

- Excellent
 Good
 Satisfactory
 Poor

7. The Value Added Course satisfy my expectation as a value added Programme (Course Satisfaction) *

Mark only one oval.

- Excellent
 Good
 Satisfactory
 Poor

8. Any Issues *

Mark only one oval.

- Option 1

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA

Department of Artificial Intelligence & Machine Learning, Feedback report on Value Added Course on "MIT App Inventor"

From 04/03/2024 to 24/03/2024

Timestamp	Name	Roll Number	Email	The objectives of the Value Added Course were met (Objective) *	The content of the course was organized and easy to follow (Delivery) *	The Resource Persons were well prepared and able to answer any question (Interaction)*	The exercises/role play were helpful and relevant (Syllabus Coverage) *	The Value Added Course satisfy my expectation as a value added Programme (Course Satisfaction)	Any Issues
24-03-2024 12:04	C JAYA SIMHA	229Y1A3911	229Y1A3911@ksrmce.ac.in	Excellent	Good	Satisfactory	Good	Good	No
24-03-2024 14:06	K ABHINAYA	229Y1A3924	229Y1A3924@ksrmce.ac.in	Good	Satisfactory	Good	Excellent	Excellent	Nothing
24-03-2024 14:07	L VAISHNAVI	229Y1A3926	229Y1A3926@ksrmce.ac.in	Excellent	Good	Good	Satisfactory	Good	No
24-03-2024 14:14	C INDRAJA	229Y1A3908	229Y1A3908@ksrmce.ac.in	Good	Good	Excellent	Good	Good	No
24-03-2024 14:16	REDDY	229Y1A3909	229Y1A3909@ksrmce.ac.in	Satisfactory	Good	Excellent	Excellent	Good	Nothing
24-03-2024 15:04	PRIYANKA	229Y1A3910	229Y1A3910@ksrmce.ac.in	Excellent	Excellent	Good	Satisfactory	Good	Nothing
24-03-2024 15:05	B POOJITHA	229Y1A3905	229Y1A3905@ksrmce.ac.in	Excellent	Satisfactory	Good	Excellent	Satisfactory	No
24-03-2024 15:06	C LAKSHMI	229Y1A3906	229Y1A3906@ksrmce.ac.in	Excellent	Satisfactory	Excellent	Excellent	Satisfactory	No
24-03-2024 15:07	C MANASA	229Y1A3907	229Y1A3907@ksrmce.ac.in	Satisfactory	Good	Satisfactory	Good	Satisfactory	No
24-03-2024 15:09	M UMA DEVI	229Y1A3927	229Y1A3927@ksrmce.ac.in	Excellent	Good	Satisfactory	Good	Good	Nothing
24-03-2024 15:11	B POOJITHA	229Y1A3928	229Y1A3928@ksrmce.ac.in	Good	Good	Good	Excellent	Good	
24-03-2024 16:04	C LAKSHMI	229Y1A3929	229Y1A3929@ksrmce.ac.in	Good	Good	Satisfactory	Excellent	Excellent	
24-03-2024 16:09	M UMA DEVI	229Y1A3943	229Y1A3943@ksrmce.ac.in	Excellent	Good	Satisfactory	Good	Good	
24-03-2024 16:24	M VIJAY SAI	229Y1A3944	229Y1A3944@ksrmce.ac.in	Satisfactory	Satisfactory	Good	Good	Good	
24-03-2024 16:34	M HITESH	229Y1A3945	229Y1A3945@ksrmce.ac.in	Satisfactory	Excellent	Good	Excellent	Good	No
24-03-2024 16:54	C PRIYANKA	229Y1A3933	229Y1A3933@ksrmce.ac.in	Good	Good	Satisfactory	Satisfactory	Good	
24-03-2024 16:58	C JAYA SIMHA	229Y1A3934	229Y1A3934@ksrmce.ac.in	Good	Satisfactory	Good	Good	Good	Nothing
24-03-2024 16:58	K.ABHINAYA	229Y1A3941	229Y1A3941@ksrmce.ac.in	Good	Good	Excellent	Excellent	Excellent	
24-03-2024 16:59	L VAISHNAVI	229Y1A3942	229Y1A3942@ksrmce.ac.in	Good	Good	Satisfactory	Excellent	Excellent	
24-03-2024 17:04	C MANASA	229Y1A3930	229Y1A3930@ksrmce.ac.in	Good	Good	Satisfactory	Excellent	Excellent	Nothing
24-03-2024 17:05	C INDRAJA	229Y1A3931	229Y1A3931@ksrmce.ac.in	Excellent	Good	Good	Good	Satisfactory	
24-03-2024 17:08	REDDY	229Y1A3932	229Y1A3932@ksrmce.ac.in	Excellent	Good	Good	Excellent	Satisfactory	No
24-03-2024 17:14	VISHWANATH	229Y1A3954	229Y1A3954@ksrmce.ac.in	Excellent	Good	Satisfactory	Excellent	Good	
24-03-2024 17:15	P YASASWINI	229Y1A3952	229Y1A3952@ksrmce.ac.in	Excellent	Satisfactory	Good		Good	
24-03-2024 17:18	R SATHVIKA	229Y1A3956	229Y1A3956@ksrmce.ac.in	Good	Good	Good	Good	Good	
24-03-2024 17:24	MYLA SIVA	229Y1A3950	229Y1A3950@ksrmce.ac.in	Excellent	Excellent	Good	Good	Good	
24-03-2024 17:25	N AMRUTHA	229Y1A3951	229Y1A3951@ksrmce.ac.in	Good	Excellent		Excellent	Excellent	
24-03-2024 17:26	KUMAR	229Y1A3955	229Y1A3955@ksrmce.ac.in	Good	Satisfactory	Good	Good	Good	
24-03-2024 17:34	M TAYYIB	229Y1A3947	229Y1A3947@ksrmce.ac.in	Good	Good	Good	Satisfactory	Good	Nothing
24-03-2024 17:35	M YAMINI	229Y1A3948	229Y1A3948@ksrmce.ac.in	Good	Good	Satisfactory	Good	Satisfactory	
24-03-2024 17:36	S MUSHTAQ	229Y1A3963	229Y1A3963@ksrmce.ac.in	Excellent	Excellent	Excellent	Satisfactory	Excellent	
24-03-2024 17:44	S JAVEED	229Y1A3961	229Y1A3961@ksrmce.ac.in	Good	Excellent	Excellent	Good	Good	
24-03-2024 17:45	S AYAAN	229Y1A3958	229Y1A3958@ksrmce.ac.in	Good	Good	Good	Satisfactory	Good	
24-03-2024 17:56	KHASIM	229Y1A3959	229Y1A3959@ksrmce.ac.in	Good	Good	Excellent	Good	Excellent	
24-03-2024 17:57	S JAKEER	229Y1A3960	229Y1A3960@ksrmce.ac.in	Good	Good	Good	Good	Excellent	
24-03-2024 17:58	S YASASWANI	229Y1A3957	229Y1A3957@ksrmce.ac.in	Excellent	Excellent	Excellent	Satisfactory	Excellent	
24-03-2024 17:59	S BASHA	229Y1A3962	229Y1A3962@ksrmce.ac.in	Good	Excellent	Excellent	Good	Good	

24-03-2024 18:04	BAIG	229Y1A3949	229Y1A3949@ksmce.ac.in	Good	Good	Good	Satisfactory	Good	
24-03-2024 18:05	S SAFIYA	229Y1A3964	229Y1A3964@ksmce.ac.in	Good	Good	Excellent	Good	Excellent	
24-03-2024 18:56	S IMAM KHAN	229Y1A3902	229Y1A3959@ksmce.ac.in	Good	Good	Excellent	Good	Excellent	

gcp
Coordinator(s)

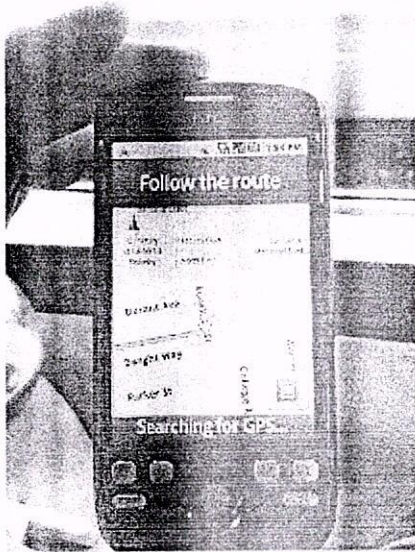
KSRa
HoD
Dr. K. SRINIVASA RAO, M.Tech., Ph.D.
Professor & HOD AIML
K.S.R.M. College of Engineering
(Autonomous)
KADAPA- 516 005. (A.P.)

Lecture notes on MIT App Inventor2

Android, Where's My Car?

You parked somewhere near the stadium, but when the concert ends you don't have a clue where the car is. The friends you came with are equally as clueless.

Fortunately you haven't lost your Android phone that never forgets anything, and you remember you have the hot new app, *Android, Where's My Car?*. With this app, you click a button when you park your car, and the Android uses its location sensor to record the car's GPS coordinates and address. Later, when you reopen the app, it shows you a map from where you are to the remembered location-- problem solved!



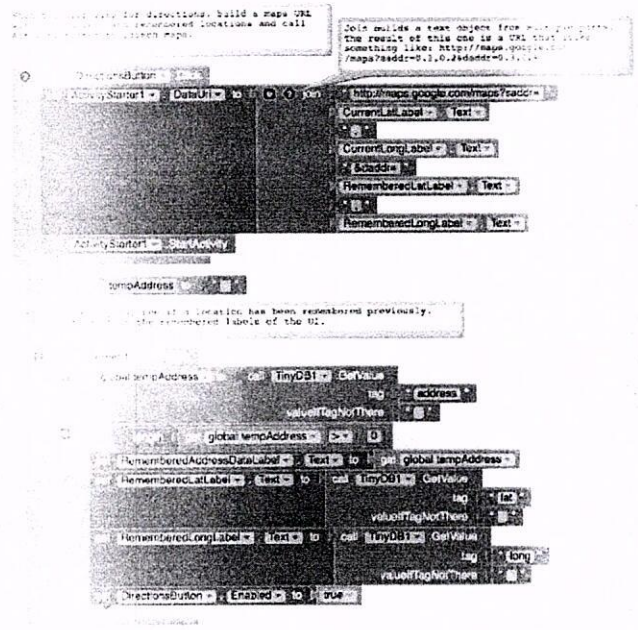
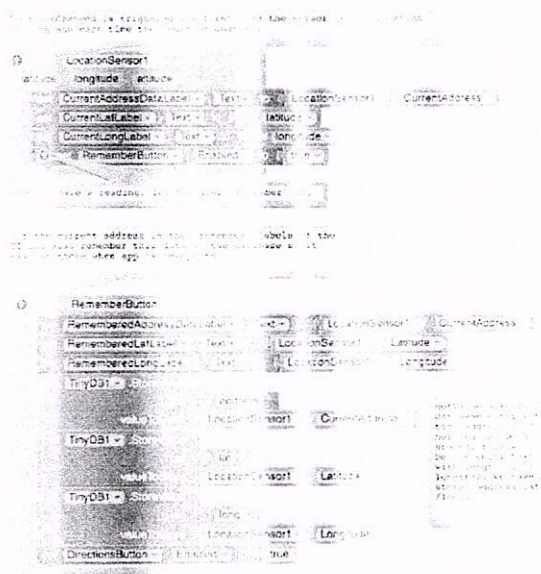
Getting Started

The app demonstrates how to communicate with the Android location sensor, how to record data in the phone's long-term memory (database), and how you can open the Google Maps app from your app to show directions from one location to another. It makes use of the following App Inventor components:


- **Location Sensor**
- **TinyDB** -- to store the data
- **ActivityStarter** -- to open a map


The User Interface


Here are the components for the *Android, Where's My Car?* app, as shown in the Component Designer:




Let's examine the four different event-handlers of the app, starting in the top-left and working around in counter-clockwise order.

: This event occurs when the phone's location sensor first gets a reading, or when the phone is moved to produce a new reading. The event-handler just places the readings--latitude, longitude, and current (street) address-- into the corresponding "Current" labels so that they appear on the phone. The Remember Button is also enabled in this event-handler. Its enabled setting should be unchecked in the Component Designer because there is nothing for the user to remember until the sensor gets a reading.

: When the user clicks the Remember Button , the location sensor's current readings are put into the "remember" labels and stored to the database as well. The Directions Button is enabled as it now makes sense for the user click on it to see a map (though it will make more sense once the user changes location).

: When the user clicks the Directions Button , the event-handler builds a URL for a map and calls Activity Starter to launch the Maps application and load the map. `Uri` is used to build the URL to send to the Maps application. The resulting URL consists of the Maps domain along with two crucial parameters, `saddr` and `daddr` , which specify the start and destination for the directions. For this app, the `saddr` is set to the latitude and longitude of the current location, and the `daddr` is set to the latitude and longitude of the location that was "remembered" (the location of your car!).

: This event is always triggered when an app opens. To understand it, you have to envision the user recording the location of the car, then closing the app, then later re-opening the app. When the app re-opens, the user expects that the location remembered earlier should