

**DPE | Mobile Development Track**  
**Program Outline – starting from (7<sup>th</sup> July) till (14<sup>th</sup> October)**  
**Program duration (Three months)**

All the live sessions, recorded sessions, and Mentorships with dates are shown on the platform. You can check all of them. This outline is for your reading activities for a successful journey.

**Phase 1: Learn Duration: 5 weeks (7<sup>th</sup> of July – 11<sup>th</sup> of August)**

Week	Activity	Details	Deadlines
<b>Week 0</b> 7 <sup>th</sup> July 2023	How to start your journey? (Onboarding Live Session)  (90 Minutes)	<b>Onboarding about the whole Bootcamp</b>	<b>7<sup>th</sup> July</b>
<b>Week 1</b> 8 <sup>th</sup> July 2023	Self-Paced Learning	<b>Section (1) Introduction to Mobile Development</b> <b>Lessons:</b> <ul style="list-style-type: none"> <li>• Mobile development career</li> <li>• How to become a mobile developer?</li> <li>• Let's start!</li> <li>• Why cross-platform?</li> <li>• Why React Native?</li> <li>• Set up your environment</li> </ul>	
<b>Week 2</b> 15 <sup>th</sup> July 2023	Self-Paced Learning	<b>Section (2) React Native Fundamentals</b> <b>Lessons:</b> <ul style="list-style-type: none"> <li>• JSX</li> <li>• How to build &amp; show components</li> <li>• props and call-back</li> <li>• Using state</li> <li>• Use effect</li> <li>• React (Function vs Class) components</li> <li>• Fragment</li> </ul>	

<b>Week 3</b> 22 <sup>nd</sup> July 2023	Self-Paced Learning	<b>Section (3) Styling</b> <b>Lessons:</b> <ul style="list-style-type: none"> <li>• Style Types</li> <li>• layout design</li> <li>• Layout flexbox</li> <li>• Implement layout using Flexbox</li> <li>• Using images &amp; icons</li> </ul>	
	Live Session 1 <b>By: Ibrahim Salem</b>	<b>Initial learning objectives:</b> <ul style="list-style-type: none"> <li>• Review Sections 1,2,3.</li> <li>• Answer students' question about the learning experience.</li> </ul>	<b>23<sup>rd</sup> July 2023</b>
<b>Week 4</b> 29 <sup>th</sup> July 2023	Self-Paced Learning	<b>Section (4) layout screen</b> <b>Lessons:</b> <ul style="list-style-type: none"> <li>• Login screen</li> <li>• Touchable components</li> <li>• Touchable Opacity button</li> <li>• On Press function</li> </ul>	
	Assignment #1 (CORE)	<b>Previous learnings: Sections 2&amp;3&amp;4</b> Assignment: Create a responsive layout screen for a mobile application using React Native.	<b>From 3<sup>rd</sup> August till 11<sup>th</sup> August At 11:59 PM.</b>
<b>Week 5</b> 5 <sup>th</sup> August 2023	Live session 2 <b>By: Ibrahim Salem</b>	<b>Initial learning objectives:</b> <ul style="list-style-type: none"> <li>• Discuss the changes they faced during assignments.</li> <li>• Practice applying the knowledge gained through the section to a practical project.</li> </ul>	<b>6<sup>th</sup> August</b>
	Sharing Experience 1 Zoom session.	Interaction Zoom session between learners to share their learning experiences and questions regarding assignments or any other content.	<b>9<sup>th</sup> August</b>

**Phase 2: Learn Duration: 5 weeks (12<sup>nd</sup> August –2<sup>nd</sup> September)**

Week	Activity	Details	Deadlines
<b>Week 6</b> 12 <sup>th</sup> August 2023	Self-Paced Learning	<b>Section (5) Networking</b> <b>Lessons:</b> <ul style="list-style-type: none"> <li>• Explain networking definition.</li> <li>• Postman</li> <li>• Using fetch API</li> <li>• Using Axios API</li> <li>• Handle Login with API</li> </ul>	
<b>Week 7</b> 19 <sup>th</sup> August 2023	Assignment #2 (CORE)	<b>Previous learning</b> Assignments: complete functionalities of the app.	<b>Starting from 9<sup>th</sup> August</b> <b>Till</b> <b>15<sup>th</sup> August</b> <b>At 11:59 PM.</b>
	Live session 3 <b>By: Ibrahim Salem</b>	<b>Previous learning: sections 6</b> <b>Initial learning objectives:</b> <ul style="list-style-type: none"> <li>• Discuss the changes they faced during assignments.</li> <li>• Practice applying the knowledge gained through the section to a practical project.</li> </ul>	<b>21<sup>st</sup> August</b>
	Sharing Experience 2 Zoom session.	Interaction Zoom session between learners to share their learning experiences and questions regarding assignments or any other content.	<b>24<sup>th</sup> August</b>
<b>Week 8</b> 26 <sup>th</sup> August 2023	Self-Paced Learning	<b>Section (6) Listing</b> <b>Lessons:</b> <ul style="list-style-type: none"> <li>• FlatList</li> <li>• Key Extractor prop</li> <li>• FlatList Vs Scroll View</li> </ul>	
	Self-Paced Learning	<b>Section (7) Navigation</b> <b>Lessons:</b>	

		<ul style="list-style-type: none"> <li>Navigation methods</li> </ul>	
<b>Week 9</b> 2 <sup>nd</sup> September 2023	Assignment #3 (CORE)	<b>Previous learning: 6&amp;7</b> Apply listing and navigation on the app in home page of the application.	<b>From 2<sup>nd</sup> September  Till  8<sup>th</sup> September  At 11:59 PM.</b>
	Live session 4 <b>By: Ibrahim Salem</b>	<b>Previous learning: sections 6&amp;7</b> <b>Initial learning objectives:</b> <ul style="list-style-type: none"> <li>Discuss the changes they faced during assignments.</li> <li>Practice applying the knowledge gained through the section to a practical project.</li> </ul>	<b>4<sup>th</sup> September</b>
	Sharing Experience 3 Zoom session.	Interaction Zoom session between learners to share their learning experiences and questions regarding assignments or any other content.	<b>6<sup>th</sup> September</b>

**Phase 3: Interpersonal competencies + Graduation project: 3 weeks (9<sup>th</sup> September to 14<sup>th</sup> October)**

Week	Activity	Details	Deadlines
<b>Week 10</b> 9 <sup>th</sup> September 2023	Self-Paced Learning	<b>Section (8) State management – Redux</b> <b>Lessons:</b> <ul style="list-style-type: none"> <li>Redux Store</li> <li>Redux State Slice</li> <li>Implement Redux Actions in a component.</li> </ul> Implement Redux and Axions example	
<b>Week 11</b> 16 <sup>th</sup> September 2023	Self-Paced Learning	<b>Section (9) Deploying</b> <b>Lessons:</b> <ul style="list-style-type: none"> <li>Publishing intro</li> <li>Publishing (iOS)</li> <li>Publishing (android)</li> </ul>	

<b>Week 12</b> 23 <sup>rd</sup> September 2023	Self-Paced Learning	<b>Section (10) Mobile development readiness:</b> <b>Lessons:</b> <ul style="list-style-type: none"> <li>• Developers' Technical Skills</li> <li>• Developers' Business Skills</li> <li>• GitHub</li> <li>• Interview preparations</li> </ul>	
	<b>Graduation project</b>	<b>Previous learning of all sections</b>  Build a full-featured recipe application for mobile using React Native, a recipe API, and a custom backend.	<b>Starting from 30<sup>th</sup> September  Till  14<sup>th</sup> October  At 11:59 PM.</b>
<b>Week 13</b> 30 <sup>th</sup> September 2023	<b>Graduation Project</b>	<b>Graduation project</b>	
<b>Week 14</b> 3 <sup>rd</sup> October 2023	<b>Live session 5</b> <b>By: Ibrahim Salem</b>	<b>Graduation project mentorship session</b> <b>Q&amp;A</b> <b>Challenges in the graduation project</b>	<b>3<sup>rd</sup> October</b>
	Sharing Experience 4 Zoom session.	Interaction Zoom session between learners to share their learning experiences and questions regarding assignments or any other content.	<b>4<sup>th</sup> October</b>
<b>Week 15</b> 8 <sup>th</sup> October 2023	<b>Graduation Project</b>	<b>Deliver Graduation project</b>	<b>14<sup>th</sup> October  At 11:59 PM.</b>

## **Assignment**

- An assignment of a real project or a case study related to the topic, upon submitting you will receive feedback on your areas of strengths and areas of improvement. Make sure to read the guidelines of the Assignment as well as the grading criteria.

## **Admin Check-in**

- (One-to-one call/email) with your program admin to check on your progress, answer your questions, or help with anything you need)

## **Live session**

A 120-minute session is divided as follows:

- The expert discusses a specific topic and provides examples and hands-on learning exercises related to the self-paced study you already finished.
- Q&A questions about this specific topic, or the assignment in hand, so check the session objectives and prepare your questions before the session.
- Q&A questions for the program admin if you need to ask anything about the program itself.

How to prepare for the live session or mentorship session call?

- Make sure to finish the self-paced learning topics before going into any live session, because it will capitalize on your previous understanding.
- Prepare any questions you have about the topic you're studying.
- Prepare any questions you have about the Assignments.
- Prepare any questions about the Mobile developer role and expectations.