

## ***„JAVA - J2ME – basic training - programming mobile applications”***

### ***Course description:***

JAVA – J2ME basic operations is addressed to people who want to learn about mobile application development technology. JAVA J2ME version is the only application supported by all phones. The participants should have basic knowledge of programming.

### ***Skills acquired during the training:***

- o gaining the knowledge about the functioning of the web browsers
- o learning the basics of HTML language
- o learning the basics of CSS language
- o learning about the methods and graphic formats used for websites
- o practicing text and document HTML formatting methods
- o getting to know the technology used for websites

### ***Training program:***

1. **Environment - preparing the software necessary to create mobile applications**
  - Installing J2ME Wireless Toolkit
  - Installing Eclipse
2. **Introduction to JavaScript language**
  - Widgets
  - Displays
  - Advanced JAVA elements necessary for mobile programming
3. **J2ME user interface**
  - Classes, methods, objects
  - Constructors

- Getting user input

4. **Operation support I/O - external data operations**

- Reading from JAR archives
- Reading and writing of RMS

5. **Internet connection**

- Mechanism of socket-based network
- Reading and writing data – comparison with I/O classical mechanism

6. **Game API**

- Overview of classes connected with creating the games
- Simple examples of using classes Game API

7. **Multimedia support - play audio / video**

***Methodology:***

- PowerPoint mini lectures
- working on computers (each participant works on a separate computer)
- mini training videos

***Organizational information:***

Number of training hours: 14 hours / 2 days

Time of training 9:15-16:15

Place of training: Łódź, Piotrkowska 125 – KM Studio - trainings