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Project Result III: E-Book Design for the Education of Students with Special Needs

DIGITAL TRANSFORMATION IN SPECIAL EDUCATION

Project Number: 2023-1-TR01-KA220-SCH-000160579

Foreword

Esteemed Educators

Welcome to the DigiSpeed training platform, which we developed within the scope of the "Digital Transformation in Special Education" project, numbered 2023-1-TR01-KA220-SCH-000160579, funded by the European Union Erasmus+ Programme.

This project aims primarily to empower our teachers with digital tools in the creation of inclusive education environments. This work, carried out under the coordination of Amasya University and in partnership with distinguished educational institutions from Türkiye, North Macedonia, the Netherlands, Croatia, and Lithuania, brings international knowledge and expertise to your classrooms.

This guide has been prepared to ensure that you can most efficiently access the 10 different special needs modules included in the application. Through the application, you can detect the difficulties your students encounter in their learning processes earlier and develop personalized instructional strategies.

I hope that this tool, which will contribute to equal opportunities in education, adds value to your professional development and your students' success.

Sincerely

Project Coordinator

Dr. Ümit Çelen

Amasya University

Project Partners

This work was prepared with the valuable contributions of the following institutions:

- Amasya University (Türkiye) - Coordinator
- Merzifon Şehit Dursun Özsaraç Vocational and Technical Anatolian High School (Türkiye)
- Şehzade Special Education School (Amasya, Türkiye)
- International Vision University (North Macedonia)
- Eduxprss (Netherlands)
- Osnovna Skola (Vrgorac, Croatia)
- Vilnius University (Lithuania)

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Introduction to the DigiSpeed Application

What is DigiSpeed?

"EDUCATION FOR EVERYONE: UNDERSTAND, ADAPT, INSPIRE"

Welcome to DigiSpeed! This platform is a powerful resource designed to support teachers in creating inclusive learning environments.

This application provides essential information about 10 different types of learning difficulties and special needs, helping you identify students who may require additional support. Each section contains meticulously designed activities and short, informative videos to increase student engagement and success.

Whether you are teaching Mathematics, Literacy, Science, or Social Sciences, you will find practical strategies to ensure the development of every student in your classroom.

About This Guide

The DigiSpeed Project utilizes the Moodle system as its infrastructure for delivering educational content. This guide provides you with step-by-step instructions on how to access the training platform via the Moodle Mobile Application.

In this guide, you will find:

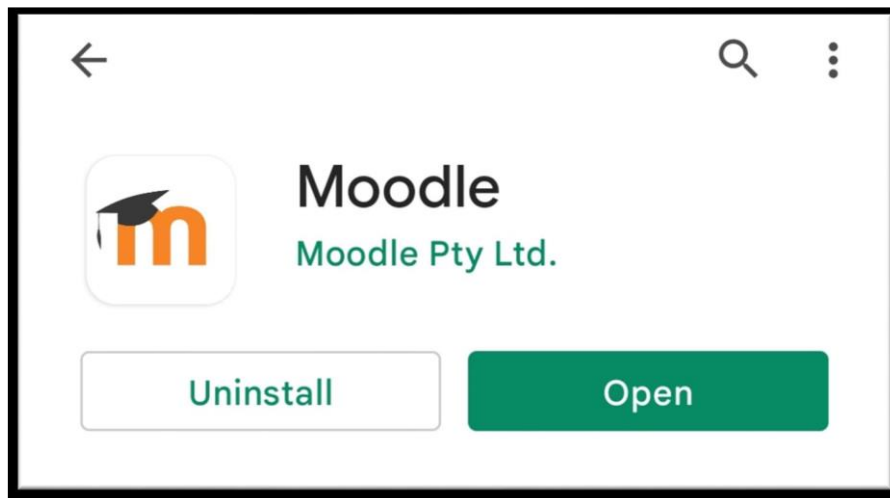
- Downloading the Moodle Mobile Application to your mobile device.
- Connecting the application to the DigiSpeed training platform.
- Logging into the system.
- Browsing trainings and enrolling in courses.

Downloading the Mobile Application

To use the DigiSpeed training platform on your mobile device, you must first download the official Moodle application. You can download the application directly from <https://download.moodle.org/mobile/> or from your device's application store.

Downloading via Google Play Store (Android) or Apple App Store (iOS)

- Open the Google Play Store or Apple App Store application on your mobile device.
- Type "Moodle" into the search bar and search.
- Ensure that the developer of the application appearing in the search results is "Moodle Pty Ltd."



- Click the Install or Get button to download the application.
- After the download and installation process is complete, click the Open button to launch the application.

Connecting to the DigiSpeed Training Platform

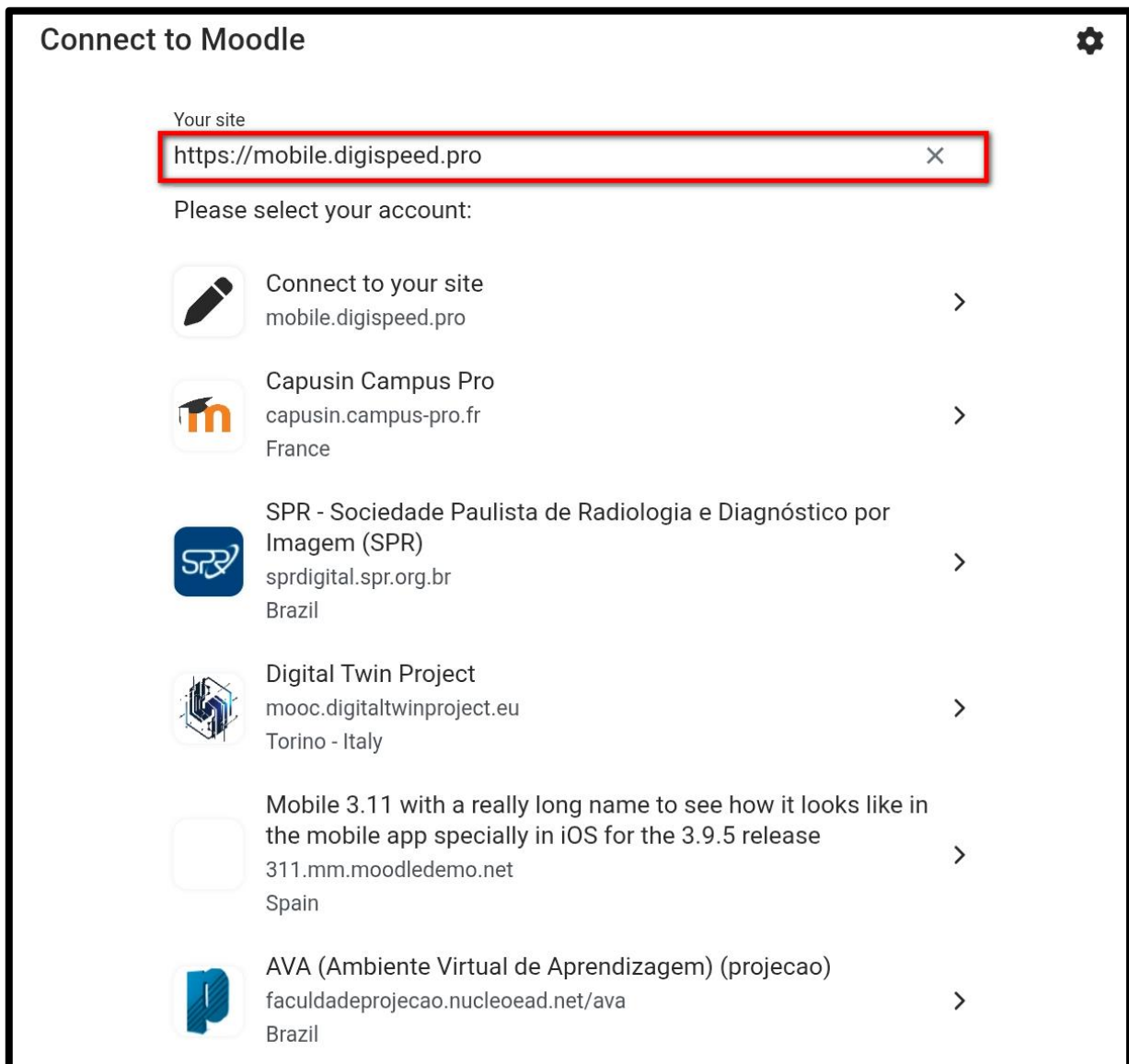
To use the Moodle application with training content, you must connect the application to the DigiSpeed site where the training is hosted.

There are two methods to do this: manually entering the site address or scanning a QR code.

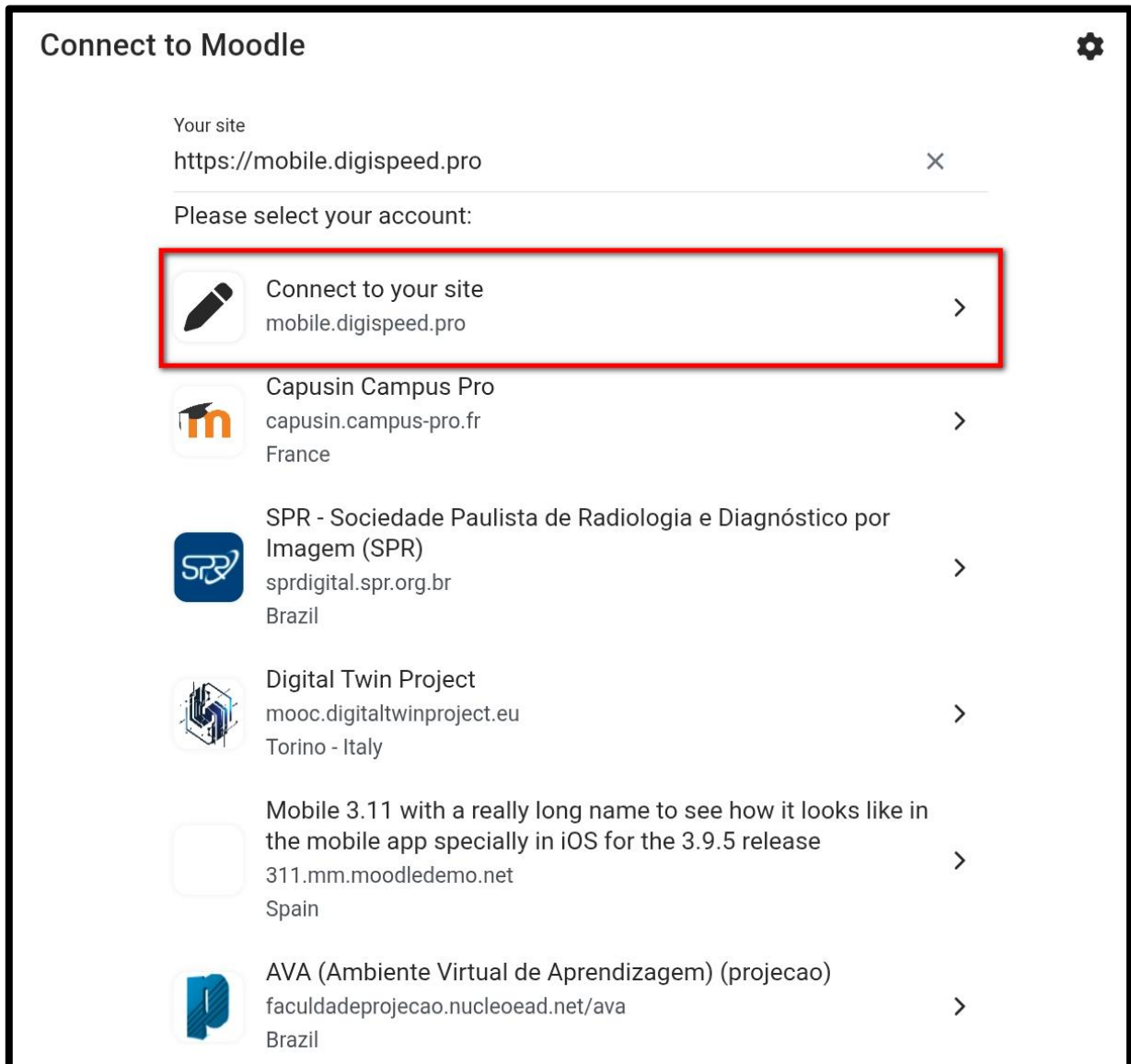
Method 1: Manually Entering the Site Address

This is the most common and reliable method.

- Open the Moodle application. On the screen that appears, you will see a box labeled Your site.
- Write the following address exactly in this field: <https://mobile.digispeed.pro>



- After typing the address, press the Go key on your keyboard or tap the Connect to your site option that appears on the screen.

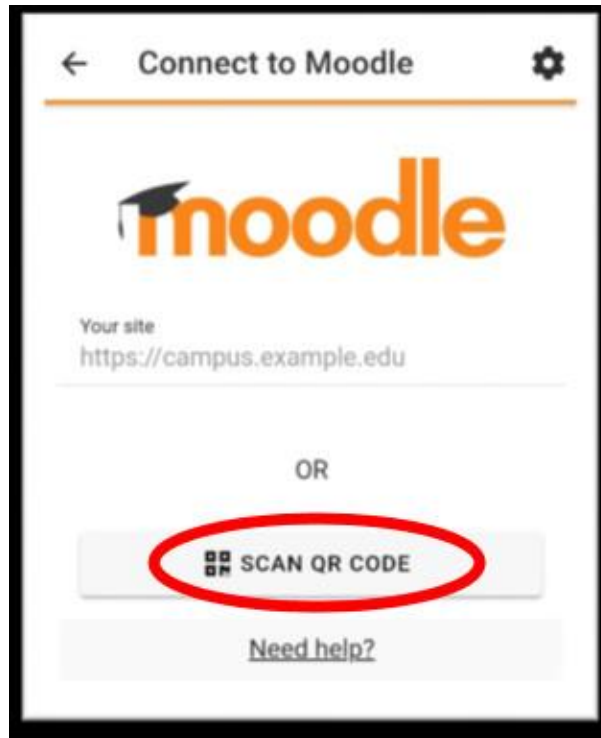


- After the application verifies the site, you will automatically be redirected to the Log In screen.

Method 2: Connecting Using a QR Code

You can use this method if you have a QR code belonging to the platform.

- Click the SCAN QR CODE button located on the application's startup screen.



- Your phone's camera will open. Point the camera towards the QR code provided below.



When the camera reads the code, the site information will be filled in automatically, and the Login Screen will be displayed.

Logging into the System

To access all training content, videos, and activities on the DigiSpeed training platform, you don't need to complete any membership or registration process. A fully authorized shared user account has been defined for our teachers within the scope of the project.

You can instantly log into the system using the information below.

Login Information

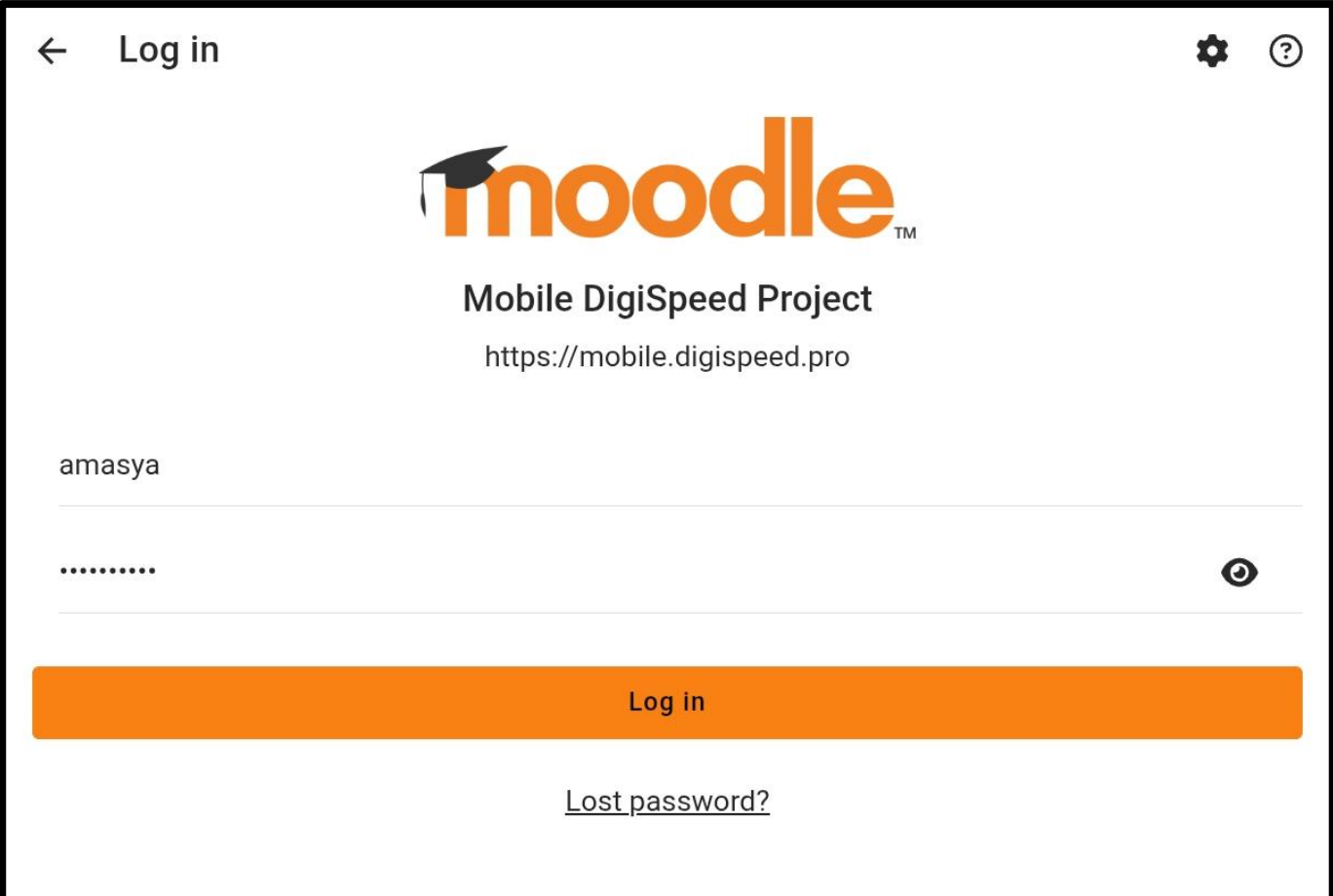
Please use the following username and password on the login screen:

Username: amasya Password: Amasya123.

(Note: Don't forget to include the period at the end of the password.)

Login Steps

- When you open the Moodle application, locate the Username and Password fields on the login screen that appears.



The screenshot shows a mobile application interface for Moodle. At the top left is a back arrow and the text 'Log in'. At the top right are a gear icon and a question mark icon. In the center is the Moodle logo (a graduation cap over the word 'moodle' in orange) and the text 'Mobile DigiSpeed Project' and 'https://mobile.digispeed.pro'. Below this is a username field containing 'amasya' and a password field containing '.....' with an eye icon to its right. At the bottom is a large orange button labeled 'Log in' and a link labeled 'Lost password?'.

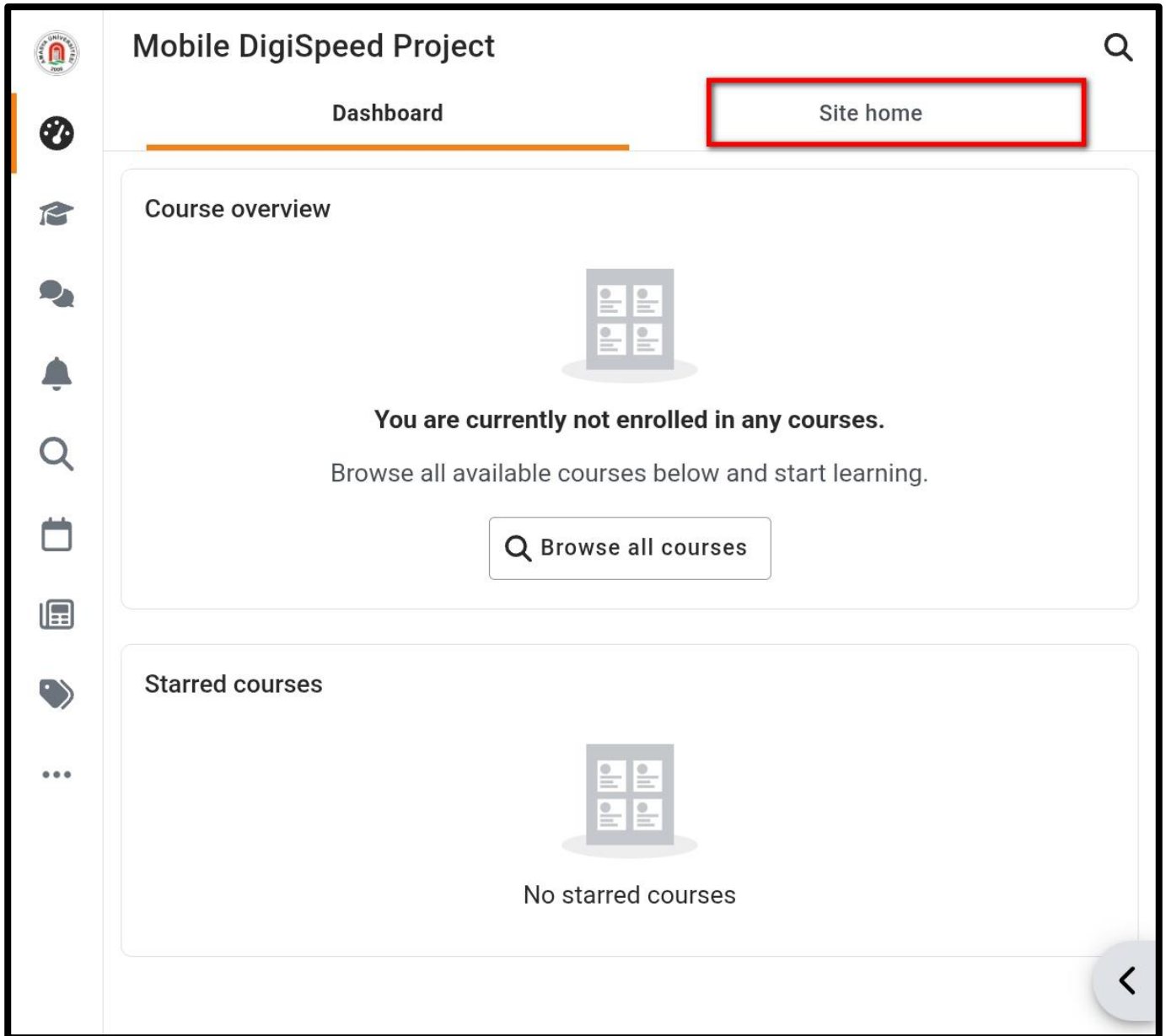
- Enter the above information completely in the relevant fields:

Username: amasya

Password: Amasya123.

- After entering the information, click the orange “Log In” button.
- When the login is successful, you will be automatically redirected to the "Dashboard" page

- Click the “Site home” where all course content is listed.



Access and Use of Training Content

After successfully logging into the system, you are ready to access the "Inclusive Education Modules" specially prepared for your field of expertise.


Selection of Teachers' Fields of Expertise

On the DigiSpeed training platform, content is customized according to teachers' fields of expertise. You will see 4 Main Subjects in the categories list. Please click on the folder corresponding to your subject area:

- Mathematics
- Literacy
- Science
- Social Sciences

Mobile DigiSpeed Project


Dashboard Site home



EDUCATION FOR ALL: UNDERSTAND, ADAPT, INSPIRE

Welcome to DigiSpeEd, a powerful resource designed to support teachers in creating inclusive learning environments. This application provides essential insights into 11 types of learning disabilities and special needs, helping you identify students who may need additional support. Each section includes a short, informative video and carefully designed activities to enhance student engagement and success. Whether you teach Math, Literacy, Science, or Social Sciences, you'll find practical strategies to ensure every student can thrive.

Explore, learn, and make a difference in your classroom today!

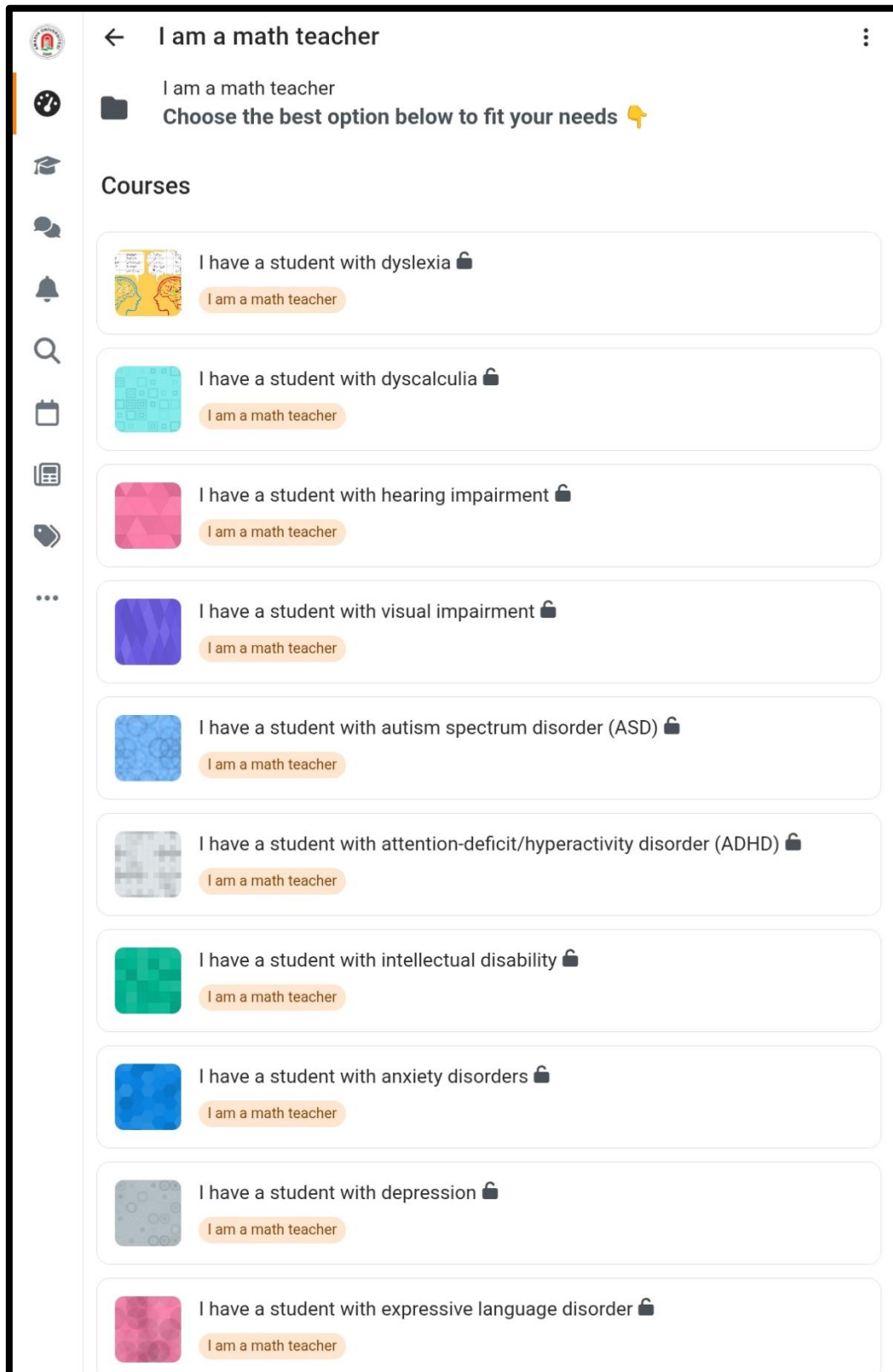
 **Choose Your Profession and Explore with DigiSpeEd**

- [I am a math teacher](#)
- [I am a literacy teacher](#)
- [I am a science teacher](#)
- [I am a social sciences teacher](#)

Accessing Modules

After selecting your subject, a course list covering 10 different types of learning difficulties and special needs prepared for that field will appear.

- Click on the name of the module you wish to review (For example: Dyslexia, ADHD, or Autism Spectrum Disorder).



- To access the course content, click on "View course" to open the content.

The screenshot shows a mobile application interface for a course titled "I have a student with dyslexia". The course is taught by "Admin Admin" and is scheduled to start on "12 May 2025, 12:00 AM". The course summary states: "Dyslexia is a learning disorder that involves difficulty reading due to problems identifying speech sounds and learning how they relate to letters and words (decoding)". An image below the summary shows two brains with mathematical equations and numbers, illustrating the concept of dyslexia. A red box highlights the "View course" button at the bottom of the page.

I have a student with dyslexia

I am a math teacher

Course start date 12 May 2025, 12:00 AM

Course summary

Dyslexia is a learning disorder that involves difficulty reading due to problems identifying speech sounds and learning how they relate to letters and words (decoding).

Teachers

AA Admin Admin







i You cannot enrol yourself in this course.

View course

Use of Content

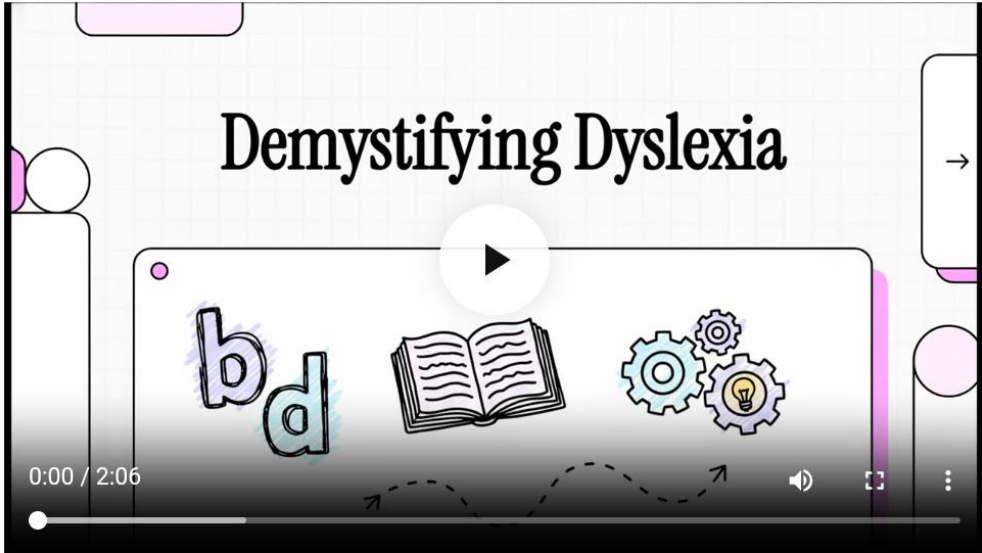
Each module consists of two fundamental sections to enable you to implement inclusive education strategies in your classroom:

- **Informational Video:** Tap the video title to watch the video containing brief and concise information related to the topic.
- **Activities:** You may access documents containing in-class application examples and strategies through the "Activities" title.



I have a student with dyslexia


Video




Demystifying Dyslexia

0:00 / 2:06

Activites

 Level 1 & 2: Recognizing visual representations of numbers and linking them to numbers. & Strengthen number sense through the use of shapes and patterns.

PDF

 Level 3 & 4: Linking numbers to the correct written and spoken names. & Match written and spoken quantities to the correct numbers

PDF

Frequently Asked Questions and Troubleshooting

In this section, you will find possible issues you may encounter while using the DigiSpeed training platform and their solutions.

Q1: How can I change the application language?

The Moodle application uses your phone's language by default. However, if you want to change the language setting manually:

- Touch the three-line (Menu) icon in the bottom right corner of the application.
- Go to "App Settings".
- Click on the "Language" option under the "General" heading.
- Select any language you prefer from the list. The application language will be updated instantly.

Q2: I'm getting a "Login Failed" error, what should I do?

- The most common error when logging in is entering the wrong password.

Username: amasya (all lowercase).

Password: Amasya123. (The first letter of the password must be capitalized and the period (.) at the end should not be forgotten).

- Please check if autocorrect or space insertion features are enabled on your keyboard.

Q3: Can I use course content offline?

Yes, the Moodle application has an "Offline Access" feature.

- When you have internet, enter the course or module you want to review.
- Click on the three-dot icon in the top right corner and select "Download Course".
- Once the download is complete, you can view videos and documents even without an internet connection.

Q4: Videos are not opening or loading.

If you are experiencing problems viewing videos:

- Make sure your internet connection is stable.
- Check if the application is up to date from the store (Google Play/App Store).
- If the problem persists, you can try opening the video in a browser (with the "Open in browser" option on the content page).

Q5: Can I share activities that I developed inspired by the project?

Absolutely! Our "Education for Everyone" vision will grow with your contributions. You can share original activities that you have implemented in your classroom and achieved successful results through our In-Service Training Portal.

Steps you need to follow:

- Go to our In-Service Training Portal: <https://digispeed.pro/index.php/lms/>
- Download the Activity Template available on the portal.
- Organize the activity you developed according to this template and upload it to the system or share it with us. This way, your experiences can inspire colleagues in different countries.

Practical Tips for Teachers: Getting the Most Out of DigiSpeed

The DigiSpeed training platform application is not just a knowledge bank but a digital assistant you can refer to when facing challenges in the classroom. Here are some suggestions for using this platform more effectively:

1. Use it as an "observation and early awareness" tool

Do you have a student in your class who struggles to follow lessons or has difficulty with social communication?

- You can use the 10 different special needs modules in the application as a checklist.
- By comparing your students' behaviors with the symptoms described in the modules (not for diagnosis), you can refer them to the Guidance Service or specialists with more accurate data.

2. Prepare before class

Especially before entering classes with inclusive students:

- Open the module appropriate to the student's diagnosis (For example: Dyscalculia - Mathematics Learning Difficulty).
- Watch the video and note 1-2 simple adaptations you can apply in that lesson. A small preparation can make a big difference in the student's participation in the lesson.

3. Your emergency guide in your pocket

The biggest advantage of the mobile application is that it's always with you.

- During breaks, in the teachers' lounge, or on the shuttle; you can refresh your knowledge by watching 3-minute short videos.

4. Discover materials specific to your branch

The application contains special folders dedicated to Mathematics, Science, Literacy, and Social Sciences.

- Also check out strategies outside your own branch. For example, a literacy strategy might be useful when reading texts in Social Studies class. Cross-disciplinary transition enhances inclusivity.

5. Be free in the field with offline capability

To avoid difficulties in classroom environments with limited internet access or during field trips:

- Download your most frequently used modules (For example: Attention Deficit and Hyperactivity) to your phone in advance (See FAQ Section). This way, you can access materials without connection issues.

6. Share with your department colleagues

"Education for Everyone" is a collective effort.

- Share effective methods you learn in the application with your fellow teachers during department meetings. Remind them that they can also access it through the "amasya" shared account.