



Introduction to audio navigation and the Wayfindr/ITU e-learning course

On accessible audio-based navigation systems for
persons with vision impairment



Welcome to this brief introduction to audio navigation and the Wayfindr/ITU e-learning certificate course on accessible audio-based navigation systems for persons with vision impairment. This short presentation will give you a quick overview of:

- Why you should take this course
- What you will learn from this course
- Why learn from us
- Why indoor navigation (also known as indoor wayfinding)



Why you should take this course

- This is the **first-ever** online ‘indoor’ digital navigation certificate course **delivered by the International Telecommunication Union (ITU)** – the United Nations specialised agency for information and communication technologies, responsible for developing global technical standards.
- For app developers, venue operators or owners, architects, access professionals it will provide you with proficiency in developing and installing audio navigation using the Wayfindr and ITU Recommendation F.921.
- Completion of this course will give you a competitive advantage; becoming one of the first **professionals with a certificate in accessible indoor digital audio-navigation.**
- It will enable you to offer clients this pioneering navigation system that will empower the 253 million vision impaired persons across the world to travel independently, through inclusive and accessible audio navigation.
- As policy makers and regulators, having appropriate information on the benefits of audio based navigation will enable implementation in your countries and foster training for national professionals; in turn ensuring that the accessible solutions are rolled out at scale



Why you should take this course (continued...)

- Indoor digital navigation is a rapidly growing market, forecast to grow by 52% a year between now and 2022, by which time indoor navigation services will be mainstream, aiming to help people navigate complex indoor spaces. Deloitte Consumer Review (Digital Predictions 2017) predicts, *“as of 2022 **at least a quarter** of human and machine uses of precision digital navigation will include an indoor leg or be for an entirely indoor journey*
- Audio-navigation is a **cutting-edge** accessibility solution that can enable independent indoor navigation and wayfinding predominantly for vision impaired persons and persons with other disabilities or older persons but for persons without disabilities in unfamiliar environments.
- Therefore emerging indoor navigation technologies hold the key to **inclusiveness and represent** a revolution in independent navigation for blind and partially sighted persons and for other disabled and older persons.



What you will learn from this course

- It is a self-paced online modular course covering four modules (including module assessments, quizzes and final assessment), estimated to take 40 hours to complete and is accessible for 3 months from the date you register.
- It will teach you to become fully conversant with Wayfindr audio-based navigation for the planning, design and implementation of audio wayfinding solutions in compliance with ITU-T F.921.
- It will enable you to understand the user experience requirements of a navigation app to make it work for vision impaired persons and assure them that the app they use complies with the ITU Recommendation: it has all the requisite features and provides all the right notifications at the right times.
- It will equip you to advise venue owners (transport companies, shopping malls, hospitals etc.) on how to install digital indoor audio-based navigation that is fully compliant with ITU-T F.921; thus adding to your current service portfolio.
- To see Audio Navigation in Action, click on the link https://www.youtube.com/watch?v=0hQ_iOql5qg



Why learn from us

- Wayfindr.org, an award winning social tech non-profit partnership with the Royal Society for Blind Children (RSBC) and digital innovation company ustwo, has developed and pioneered the world's first internationally approved Wayfindr open standard for accessible indoor digital audio-based navigation, recognised by the ITU as Recommendation ITU-T F.921. Full text of the Recommendation is available here: <https://www.itu.int/itu-t/recommendations/rec.aspx?rec=13185>
- Audio navigation that complies with ITU-T F.921 is a rigorously tested, user-centred design solution that empowers vision impaired persons to travel spontaneously and independently.
- Wayfindr has worked with issue-area specialists and the ITU to develop and deliver this accessible audio navigation e-learning course.
- Audio-based network navigation system gives implementers the information they need to design an audio navigation system that will be accessible to vision impaired persons, including guidance on how audio instructions should be structured, when they should be delivered to users and what elements of the built environment users need to be informed about.



Why learn from us (continued...)

Click the links below to find out more about Wayfindr's trials at:

- [Shakespeare's Globe](https://bit.ly/2MIFlaO) <https://bit.ly/2MIFlaO>
- [Las Arenas Shopping Centre](https://bit.ly/2QEShHa) <https://bit.ly/2QEShHa>
- [Sydney Town Hall Station](https://bit.ly/2DjrsWD) <https://bit.ly/2DjrsWD>
- [Pimlico Station](https://bit.ly/2D43e2e) <https://bit.ly/2D43e2e>



Why indoor Navigation (also known as Wayfinding)

- According to the World Health Organisation (WHO) there are 253 million blind and partially sighted persons living in the world today. The number of persons living with sight loss is set to significantly increase between now and 2050. Many vision impaired persons have extremely limited mobility and are isolated from their community and unemployed. Independent travel can be transformational for them.
- Interior spaces are often complex, highly flexible and ever-changing environments, making it difficult for persons with sight loss to navigate and find specific locations or objects within large spaces such as hospitals, shopping centres or transport hubs.
- As a result, most will either not travel and visit places or be dependent on friends, family and assistance services to carry out these activities.



Why indoor Navigation (also known as Wayfinding)

- Indoor navigation provides users with audio navigation cues to help blind and partially sighted persons navigate complex indoor environments, such as train stations, airports and shopping centres, greatly increasing their independent mobility. Audio navigation is designed to function as a complementary mobility aid, to be used alongside a long cane or guide dog, not as a replacement.
- Indoor navigation systems are a rapidly emerging service aiming to help people navigate complex indoor spaces by utilising new and emerging technologies to improve accessibility and increase independence for vision impaired persons and ultimately for everyone.



Enrol now and get 25% off the value of the course

- Course price \$500 including all assessments and certificate of achievement
- Book by the 30th November 2018 and get 25% off (\$375)
- Email training@wayfindr.net
- Click here for course content <https://bit.ly/2Q1LjM8>