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Scope the possibility and the need of developing an app that meets the needs of individuals with Cauda Equina Syndrome (CES)

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The aim of the project is to scope the possibility and the need of developing an app that meets the needs of individuals with Cauda Equina Syndrome (CES). To enable future project of developing an app for the 9 million people living with back pain in UK, rolled out in Primary care during routine GP visits. Patients would be encouraged to plot their wellbeing and pain/symptoms.

Include education and advice about weight management, sensible exercise, health and safety advice and education for both healthcare professionals and patients about back pain management and cauda equina syndrome.

Designing and building a digital service becomes an essential solution for many patient, especially after the pandemic, where the need for online digital service has been increased and become a vital unique solution to provide help and support for millions of people in the UK.

The proposed app to run alongside/within the My GP/NHS apps and could be prescribed for self-management of back pain. Therefore, to build a reliable, economic and secure platform does need the collaboration between Computing and medical experts. Which is the aim of the project.

System's requirements and type of services can one of the main project outcomes that could be rolled out through a series of professionals CES Workshops and study days nationally with video production. To be developed in many languages and fully accessible to people with hearing, sight loss and learning difficulties.

A partnership between NSIC and Cauda Equina Champions Charity.

The long experience in designing and developing web and mobile applications is the skill and knowledge that we do have at BNU. We have the passion and admission to transfer this knowledge to our community and industry helping them to develop the quality of service and to strengthen the relationship between academia and industry. Aiming to develop more smart and intelligent systems that match with national and international goals and to help having more green and innovative life.

- Our main objectives are to help in providing the Innovation of developing a new concept and utilising the cutting-edge technologies. Scoping the potential need of the append how is this could be used and utilised to benefit professionals and patients to raise awareness re cauda equina syndrome
- To force onward urgent referral for further clinical assessment regarding the cauda equina syndrome (CES) that can help diagnosis. To achieve the prevention of disability through delayed and misdiagnosis of CES.
- To empower the public to self-manage back pain and reduce appointment burden and financial cost to NHS through litigation.
- To raise awareness the whole population (including all medical community) about CES, which is more prevalent than complete spinal cord injuries and meningitis, but little known. To reach every single member of the population who may be at risk of developing CES.
- To develop a gold standard learning resource on cauda equina syndrome and challenge bias around back pain patients.
- To improve outcomes for all CES patients including those with a slow onset CES, who may be more at risk of being missed through creeping symptoms.
- Create an awareness of/about new treatments, what to do, information and knowledge about the CES ... etc

