

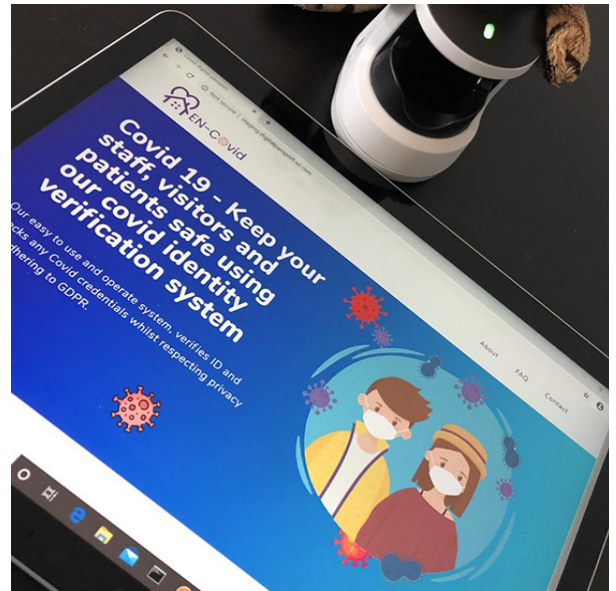
Enduring Net

Privacy Preserving Internet Check-In Track-&-Trace & Digital Passports

Ser Huang

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Project profile

What is your idea

An internet “check-in book” to complement Bluetooth T&T for organisers, such as care home managers, university lecturers, etc. It generates a covid safe attendance register, and for everyone to be alerted when there is an outbreak among the group gatherings. By using internet Socket-IO connection ID (stored on local device), our app does not use/store personal information. Our T&T is decentralised and avoids incidences like data overload and single-point-failure. We are not using Bluetooth technology meaning those without access to a Smartphone can still use the service.

What problem are you solving

By July, 15,606 care home residents had died. At the end of September, 745 cases per 100,000 were recorded among Manchester University students; 130 cases were recorded in Fallowfield Central alone. Our T&T focuses on groups with high transmission risk, avoiding the problems identified in (1). It allows decentralised and local management of covid risk exposure. Much resistance to current T&T is due to the real and potential privacy violations (e.g. police wanting access to NHS T&T data). Our app does not use any personal information, and the deployment scales exponentially cheaply.

What is your progress to date

Our app is ready for trial with a class of 400 students, and one care home with 600 staff and residents in Manchester, and a small community in Sisters, Oregon, USA. We will soon expand the trial to 40 care homes and two universities in Manchester, and to develop early customer relationships. We have built “containers” getting ready for an international deployment. We are also testing and evaluating our covid digital passports with a few care homes.

What resources can help you grow

Three areas that require attention are:

1. dialogues with potential user groups, e.g. care homes, universities, airlines etc.;
2. improve current implementations, expand covid test results to cover vaccinations, and medical exemptions from wearing masks;
3. regulatory compliance, and data audit for adherence with GDPR.

Currently in discussion with an air travel group, a consortium in Singapore (led by the National University of Singapore) and two UK test labs (one private and one NHS) about an airline use case, which will help to grow the team, business development and partner acquisition.

How will you spend the £50k money

- £17k each for enrollment & 24x7 help desk
- Data lawyer/Disability support £3k
- £10k software engineers
- Cloud service and subscriptions £3k

About your team

- Ser-Huang Poon (Founder, Trustee Enduring Net): Professor UoM, Turing Fellow.
- Kenneth Foster (Trustee): IT and DLT.
- Zeljko Milinovic, 20 years in IT Solutions Architect, 8 years Certified Blockchain Architect & Developer.
- Michael Corning, 19-year in Microsoft, Cryptocosm Architect.
- David Blundell, Blockpool COO, 20 years in IT sales, systems support.
- Pranshu Rastogi, Software Engineer, Blockchain Developer
- Jason Lim (Trustee), Marketing, Business Strategy & Development

