

## **Need For Project**

CancerCare Connect is a space dedicated to shedding light on one of the toughest challenges faced by humanity. Cancer is a complex and highly lethal disease that affects millions, leaving no corner of the world. CancerCare Connect is an online tool/website which can be used by anyone with internet access to get the help they need. CancerCare Connect provides users with briefs about cancer itself and also sheds light on different variants of it. It also provides the users with contact information for nearby cancer hospitals based on their location.

CancerCare Connect provides a common platform to anyone whether they are a patient, survivor, caregiver, or a healthcare professional, to foster innovative approaches to cancer prevention, research, patient treatment, and health care. Additionally, it also provides a platform to raise cancer awareness. Furthermore, it provides a vital feature of cancer detection mechanisms. That is, this website also provides users with highly trained Machine learning and Deep learning models which specialize in cancer detection using various complex algorithms. The ML/DL models are trained on reliable datasets with promising accuracy for reliability.

In conclusion, CancerCare Connect meets the crucial need for providing healthy community support, an information hub, reliable cancer detection tools, and regular updates on noncancer in today's world. By fostering connection among individuals, facilitate knowledge and inspire hope. This project aims to aid those touched by cancer and play a significant role in our ongoing fight against this formidable disease.

### **Features:**

1. **Information hub:** CancerCare Connect provides a reliable information hub that can be utilized by researchers and educationalists as a reliable source of knowledge about their respective interests.
2. **Cancer cases analysis:** This project provides well-trained machine-learning models which showcase predicted upcoming trends in cancer cases alongside past data, and visualize it using known data visualization and analysis techniques.
3. **Cancer detection tools:** This project also provides support for cancer detection tools where patients can upload their MRI scans and classify the type of cancer they might be vulnerable to. This interface would be highly secure and users don't have to worry about their data being used for manipulative purposes.
4. **Nearby cancer help:** It also provides a virtual map visualizing the user's nearby cancer treatment hospitals and support centres. The suggested location would be dependent on the user's current location or some other location the user might be interested in.
5. **Emergency Contact:** CancerCare Connect provides lists of fully available cancer helpline numbers which can be contacted in case of emergencies.
6. **Community support:** CancerCare Connect provides a healthy space for individuals including survivors, patients, and caregivers. Where people can share their experiences, challenges, stories, and victories, to motivate others and reduce the feeling of loneliness.
7. **Privacy and security:** The interface would be highly protected and secure for its users where patients use available services without the risk of being vulnerable to any cyber threat.
8. **Expert Q&A and webinar:** This project provides an organized space and webinars where curious individuals can ask their doubts and they can be answered by experienced healthcare professionals.