SEEDBRAINS 2022-23 Registration-Students

**Dear Participants,**

* **Kindly fill all the queries and do share your details appropriately.**
* **Details shared over here will be used for all future communications.**
* **Participants can take part individually or as a team of maximum 4 members inclusive of the Team Lead.**
* **For any query that is not applicable, please fill "NA"**

| **Email\*** | **vs63961@gmail.com** |
| --- | --- |
| **TEAM LEAD DETAILS (First Team Member)**  **Name of the TEAM LEAD** | **Vivek Sharma** |
| **USN** | **1CD22CS/ME/EE/AI/CV2196** |
| **UG/PG** | **UG** |
| **Semester** | **1** |
| **Department** | **Basic Sciences-Chemistry** |
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| **TEAM MEMBER DETAILS(Second Team Member)** | |
| **Name** | **Yuvan Shankar Raja** |
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| **Semester** | **1** |
| **Department** | **Basic Sciences-Chemistry** |
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| **TEAM MEMBER DETAILS(Third Team Member)** | |
| **Name** | **Bhadarish** |
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| **Department** | **Basic Sciences-Chemistry** |
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| **TEAM MEMBER DETAILS(Fourth Team Member)** | |
| **Name** | **Chaman** |
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| **Semester** | **1** |
| **Department** | **Basic Sciences-Chemistry** |
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| **MENTOR DETAILS** | |
| **Name** | **Dr.Hemakumar K H** |
| **Designation** | **Professor & HOD** |
| **Department** | **CHEMISTRY** |
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| **About your Idea** | **A Private DNS server with build-in NAS and adblocker** |
| **Title\*** |  |
| **Brief about the Problem statement (Max. 100 words)**  **Today, the internet is filled with ads, trackers, malware, and phishing sites. People are losing money by entering their details on these phishing sites.** | |
| **Brief the solution (Max. 100 words)**  **Our solution is quite simple and effective. We will host a DNS server on a Raspberry Pi on our LAN and block every phishing site, malware, ad, and tracker. This will protect people and reduce their stress, as they can now enjoy a safe internet experience. Additionally, we will have a NAS server running along so we can have private data stored on our LAN and no one can see it.** | |
| **Which sector does the problem belong to?** | **Cybersecurity** |
| **Mention the Sustainable Development Goal(s) satisfied? (Among UNOs 16 SDGs)**  **It will benefit companies/schools/colleges by providing better security. Normally, it costs a small fortune to host a private DNS server as well as a NAS to store data on the cloud. But with our product, it would be cheaper to do and also hassle-free, because it will be hosted locally, therefore any data won't leak out.** | |
|
| **Is it related to Product development or Service?** | **Product Development** |
| **Explain the novelty in the idea (if any). Is it Patentable?  (Max. 100 words)**  **It might be patentable, as there are some companies running their own DNS server to protect themselves from outsiders and needing to store huge amounts of data on the cloud. If they use our solution, they can get better security and sustainability for not much cost, as our product will be a one-time investment.** | |
| **How would the Idea would be beneficial for Society or Industry? (Max. 100 words)**  **As I mentioned above, it would be much cheaper and easier for a school/ college or office or even a house to have a self hosted DNS server and Cloud storage** | |
| **Is there a need in the market? What market gap is it filling and who are the target customers? (Max. 100 words)**  **There might be a need, as there are so many ad blockers using subscription-based services to block ads on a single device. But with our product, it can be done on a LAN basis. So, each and every device connected to the same LAN will have all ads, trackers, malware, and phishing sites blocked, and they don't even need to set up anything on their devices, as it will all be managed by our product.** | |
| **Explain the USP?  (Max. 100 words)**  **Upselling the features of our product:**  **\* It is cheaper**  **\* It is easier to host a DNS server compared to conventional means**  **\* It is much more secure to store data as it will be running on our own LAN network**  **\* If a new device is connected, it doesn't need to be reconfigured as it will be done automatically.** | |
| **What is the real-world problem solved and what is the PAIN POINT of customer addressed? (Max. 100 words)**  **There are too many ads, trackers, malware, and phishing sites on the internet these days. It is very expensive to host a private DNS server. You have to pay a subscription to companies to store your data in the cloud, and it is not as secure as hosting everything locally and storing data locally. That way, any unwanted intruders cannot get our private or confidential data, and you, the user, don't need to worry about any data breaches.** | |
| **Brief about the technology used or planned for development (Max. 100 words)**  **We will be using a raspberry pi. there will few software that will block ads/trackers, some software to host a dns server another for our nas and a vpn hosting application, along with a monitoring software which will show our usage** | |
| **Brief about Fund Utilization plans (Max. 100 words)**  **We will invest more time and money in making it more effective to block ads/trackers. We will also improve security. Additionally, we will add a few more features in the new versions.** | |
| **Are distribution channels identified? If so, brief the plans for distribution channels. (Max. 100 words)**  **We don't have any distribution channels currently established. Later on, we could open an e-commerce site which will sell our product.** | |