

# Newsletter 2018 Issue II



**Bharati Vidyapeeth's  
Institute of Management and Information Technology  
Navi Mumbai**

**BHARATI VIDYAPEETH'S  
INSTITUTE OF MANAGEMENT AND INFORMATION TECHNOLOGY  
NAVI MUMBAI**



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Chancellor, Bharati Vidyapeeth  
University, Pune



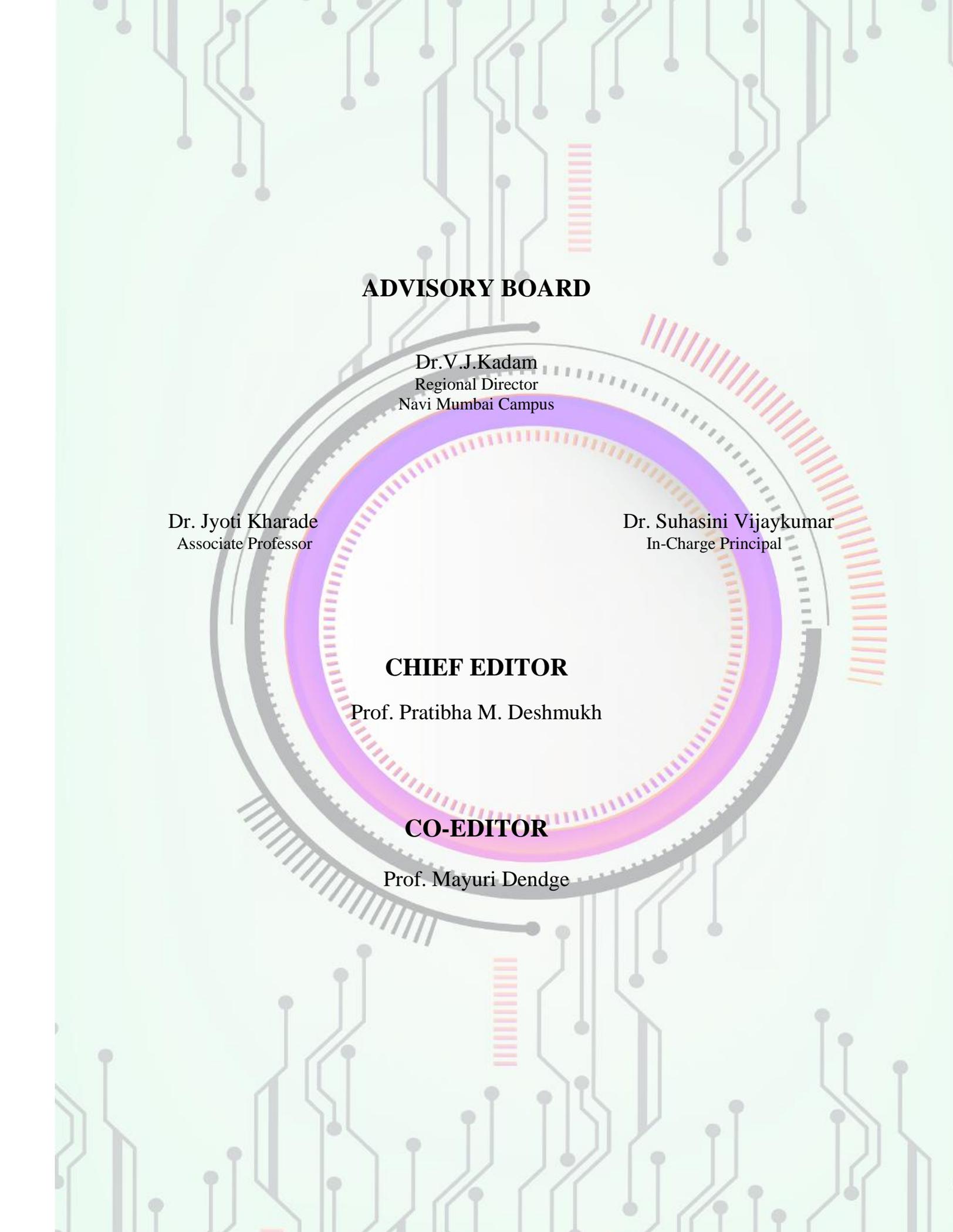
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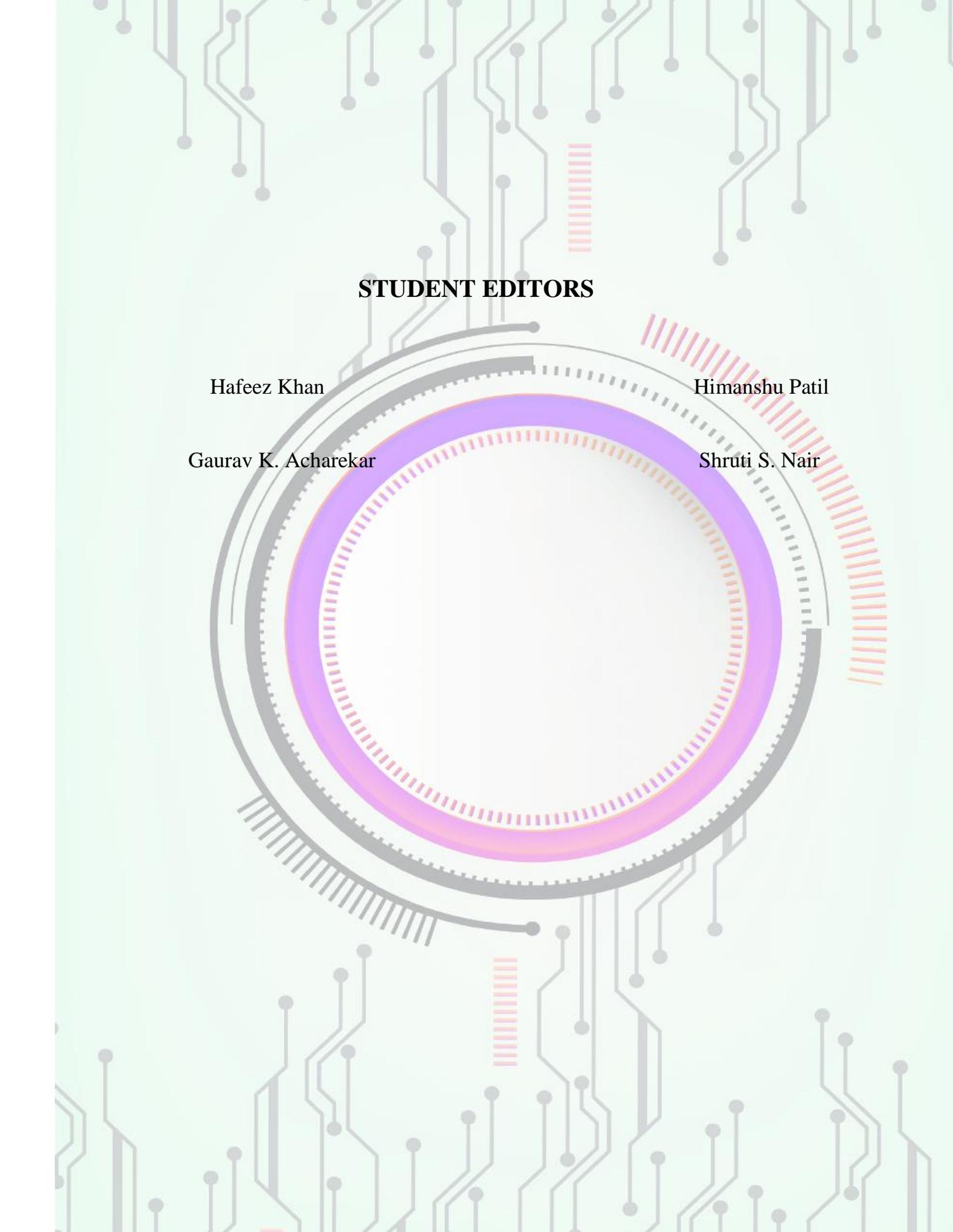
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BVIMIT fortifies student's intellectual awaking and social transformation in different spheres that makes them to contribute to the organization and world as well. We strengthen student's hard work and commitments towards knowledge.

BVIMIT provides MCA, VI semester course enables overall development of students and give a different perspective towards corporate life.

Current newsletter entitled "***PRABHAT-exploring tech rising star***" is a combined effort of students and staff members that commences articles on emerging technologies with theme as "**IT Security**" provides articles for the same.

I hope "**PRABHAT**" will take you to the world of prominent technologies.

## Editorial Desk



**Prof. Pratibha Deshmukh**  
**Editor-in-chief**

It is indeed a great honor to be the Newsletter Editor for me and also an immense pleasure to launch the first edition of BVIMIT Newsletter “PRABHAT- exploring tech rising star”.

As we are living in the technological era, we have selected the topic for the article as “**IT Security**” to make students aware about this emerging technology. It aims to be a truly interdisciplinary platform seeking to bring together a range of diverse voices on the topic in order to stimulate discussion.

A huge thank you to all the students who contributed writing the articles, without which there wouldn't have been this newsletter.

I appreciate PRABHAT student members for their everlasting support throughout the creation of this edition.

I hope “**PRABHAT**” will convey some technical knowledge to you.



**Deepak S Sharma**  
Student MCA

## Unknown Mystery of WEB

**Web** is a communications model that, through HTTP, enables the exchange of information over the Internet.

Web is a collection of websites and web pages that are to be accessed with the URL's or Links.

Websites can be accessed via a public Internet Protocol (IP) network, such as the Internet, or a private Local Area Network (LAN), by a Uniform Resource Locator (URL) that identifies the site.

Websites can be divided into two broad categories—static and interactive. Interactive sites are part of the Web 2.0 community of sites, and allow for interactivity between the site owner and site visitors or users. Static sites serve or capture information but do not allow engagement with the audience or users directly.

Web are classified or divided into 3 types

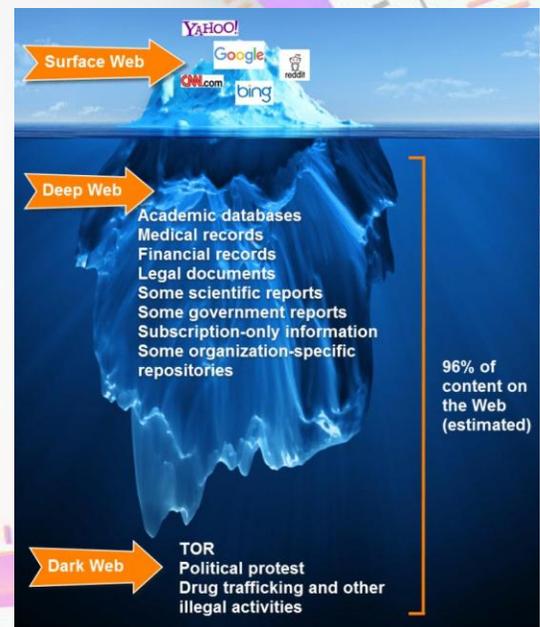
- Surface Web
- Deep Web
- Dark Web

### Surface Web

Surface web are also called as light web, Visible web or Indexed Web. The surface web contain the normal web pages that can be directly accessed from the normal web browser. Normal web are search engine like - Google, Yahoo, Bing etc these surface web contain only 4% of the information that are present on whole Internet. The portion of the Total World Wide Web that is readily available to the general public and searchable with standard search engines.

### Deep Web

Deep web are Hidden web or Invisible web that cannot directly accessed with searching, The content of Deep web are hidden in http forms and includes many very common uses such as Web mailing, Bank Details, private or restricted Social Media details. Deep web includes hidden



databases of medical record, financial record, legal documents, Academics records, government secret reports and organizations repositories. Deep web and dark web consist of total 96% of information present on the Internet.

### **Dark Web**

The Dark web refers to encrypted online content that is not indexed by search engines. Means, those web are only accessed with special software. These web handles various important as well as illegal activities such as drug trafficking, kidnapping, Bit coins, Politician Protest, Hacking. These web are accessed with special type of browser like Tor. Tor browser does not require any Virtual Private Network (VPN). these browser have built in features of accessing web without saving information to the web servers. The dark web has become an online marketplace for illegal goods. Many of the innovations from legitimate online sellers like Amazon and eBay, like customer reviews and seller ratings, have been adopted to facilitate the sales of black market items.

### **Anonymous (Dark net) Web**

These web are similar to Dark web, these web are not accessed with any search engine or web browser and it contains the illegal information which are not visible to anyone rather than Tor browser. Tor Browser, when the infamous drug bazaar once made headlines. Anonymous communication between Whistle Blowers, journalists and news organizations is also facilitated by the "Dark net" Tor network through use of applications such as Secure Drop.

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