

## SET LAB

### Assignment – 2

**PRN : 2019BTECS00016**

**PRN : 2019BTECS00018**

#### Node JS

<b>Original author</b>	: Ryan Dahl
<b>Developers</b>	: Isaac Schlueter
<b>Initial release</b>	: 27 May 2009
<b>Stable release</b>	: 14.17.0
<b>Preview release</b>	: 14.17.0
<b>Repository (with cloud support )</b>	: clever cloud , google cloud
<b>Written in (Languages)</b>	: c++
<b>Operating System support</b>	: windows macOS linux
<b>Platform ,portability</b>	: cross platform
<b>Available in (Total languages)</b>	: CoffeeScript, Dart, TypeScript, ClojureScript
<b>List of languages supported</b>	: JavaScript (93%) , Python (37%) , Java (35%) PHP (31%) , Net (20%) C++ (16%) , Go (16%) , C (15%) , Ruby (14%) Swift (9%)

<b>Type (Programming tool, integrated development environment etc.)</b>	: Atom , VS code , Sublime text , WebStorm
<b>Website</b>	: <a href="https://nodejs.org">Node.js (nodejs.org)</a>
<b>Features</b>	: Single Threaded , Event Driven , Open Source , Performance , Node , Package Manager(NPM)
<b>License</b>	: MIT
<b>Size (in MB, GB etc.)</b>	: 700 mb to 1400 mb on 32 to 64 bit resp
<b>Privacy and Security</b>	: The OpenJS Foundation's core purpose is to foster an ecosystem that supports the collaborative and public development of free and open source software projects (each, a "Project"). And the core of Node.js is secure, but third-party packages may require additional security measures to protect your web applications. According to the research, 14% of the Node Package Manager (NPM) ecosystem is affected.
<b>Type of software (Open source/License)</b>	: open-source, cross-platform, back-end JavaScript runtime environment

**If License- Provide details** : MIT  
**Latest version** : 16.14.0  
**Cloud support (Yes/No)** : Yes  
**Applicability** : The customer pool of this popular video streaming application is 120 million approx which makes it a perfect use-case or a successful case of node.js applicability.

**Drawbacks (if any)** : 1.Application Programming Interface (API) is Not Stable  
2.Does not have a Strong Library Support System  
3. Asynchronous Programming Model