



Nutan Maharashtra Vidya Prasarak Mandal's (NMVPM's)
NUTAN MAHARASHTRA INSTITUTE OF ENGINEERING AND
TECHNOLOGY (NMIET)
Under Administrative Support - Pimpri Chinchwad Education
Trust (PCET)



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Affiliated to SPPU

Department of Computer Engg.

Report On "Ionic Framework for Mobile App Development"

A.Y: 2020-21

Date: 25/07/2020 to 29/07/2020

Objective of Activity:

Number of Student Involved: 145

Link for the Event:

Link : <http://nmvpm.webex.com/nmvpm/j.phpMTID=xm2801to76531gh4358f4t6fonn29g6>

Speaker: Mr. Sumit Rajendra Tikole

Faculty Coordinator: Prof. Shubhangi Vairagar

Objective of Event:

Ionic aims to simplify the process of creating apps for numerous platforms, eliminating the need for duplicating the same code in multiple different languages for different platforms. Additionally, the app can be written in HTML, CSS and JavaScript (no need to learn a new language) and can be deployed on both, iOS and Android.

Tools with native compatibility, Extensive choice of UI elements and quick prototyping, Testing convenience, Frontend agnostic.

Brief Description of Activity:

What is usage Ionic Framework arrived in the mobile app development scene in 2013 and is now a preferred choice for hybrid mobile application development. It was introduced as an open-source SDK for providing a platform for Android and iOS hybrid mobile app development and known for offering platform specific UI elements for both iOS and Android via its library of native components. Basically, a npm module, there are many apps built using it and requires Node.js installed to function. Web-pages created are run on device's browser instance WebView, to gain every bit of the functionality required Ionic Native was created based on a set of Cordova plugins to support APIs & integration.

Advantages in Ionic mobile app development:

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Ionic provides a number of advantages for mobile app development. A study has found it to garner more than 3.2% of the mobile app market share. A single codebase is used for various platforms. Ionic framework uses JavaScript, CSS and HTML as core and is built on Angular framework and Apache Cordova, for application development. Although the latest Ionic version now offers framework agnostic capability, Angular can still be used as before. By using Ionic you can build apps without native app developers working on it. Those acquainted with web technologies and Angular will be able to use Ionic, leveraging the web skills to build apps by forming just one codebase for all platforms.

Outcome Achieved:

- To be familiar with environment of Apple OS and Apple iOS Android OS and higher version.
- Understanding Cross-Platform Development / Platform Independent Framework.
- Helps students to development costs saving on hiring native developers, on codebase maintenance.
- How debugging tools and instrument are used in development.
- Understand emerging trends in Faster time-to-market on both Android and iOS platforms & easily how app is transformed into a desktop application or PWA

Photos:


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IONIC & CORDOVA
Nutan Maharashtra Institute of Engineering & Technology
 DEPARTMENT OF COMPUTER ENGINEERING
 ORGANIZES A WEBINAR

Ionic Framework for Mobile App Development

For BE | TE | BE Students

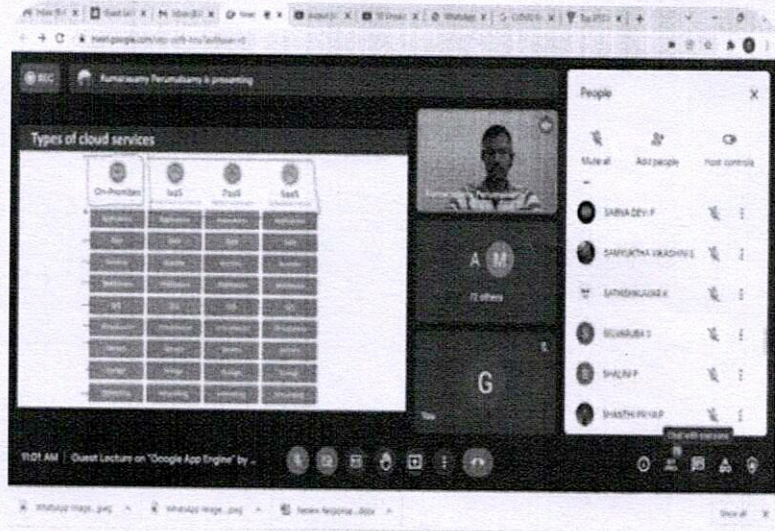
July 21, 2020 | 10:30am

Join us at **WebEx**
<https://www.gpn.webex.com/jn>
 meetingID=62572e66
 efb6cb938645a3364351e032

Dr. Laxmanrao Sathare, Principal, NMIET | Dr. Sanjay Sange, M.S.E. Computer Engg.

Presenting Coordinator: Prof. Shalunji Sathare, M.S.E. 77219 82219

Mr. Sumit Kadam, Thesis Technology Analyst, Software Technologies



Sonal
Event Coordinator

Jay
Principal

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