AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNT University Kakinada, Accredited by NAAC and Recognized under 2(f) &12 (b) by UGC, New Delhi) Tamaram, Makavarapalem, Narsipatnam (RD), Visakhapatnam-531113

Certificate Course
on

Progressive Web Development
From 12th July 2018 to 18th July 2018

ORGANIZED BY
DEPT. OF COMPUTER SCIENCE AND ENGINEERING
AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MAKAVARAPALEM (V), VISAKHAPATNAM-531113

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

AIET started in the year 1999 and offers various courses at Engineering and PG level. The college is providing with rooms, computer centre, laboratories and seminar hall with audio-visual equipments. Industry Institute interaction is conducted regularly to emphasize on the latest trends in the present market.

It is very near to Narsipatnam. Frequent bus facilities are available both from and to Visakhapatnam and Narsipatnam. Very safe and secure hostel facility is available for Girl students. These are the additional facilities besides excellent academic atmosphere in the college campus.

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

The Computer Science & Engineering department was established with B.Tech Program in 1999 with intake of 60 students and this was increased to 120 students in 2007 and increased to 180 students in 2012. The Post graduate Program M.Tech with C.S.E was started in 2005 with intake of 18 Students and this was increased to 24 students in 2012. The Computer Science & Engineering department was accredited by NBA in 2009 and 2014. Department mission is to be Instrumental in the field of computer science &

engineering by providing high quality education and continues improvement process of the program. The department has full fledged faculty with four professors with Ph.D and 40 staff members with experience in teaching and industry, which leads the skill students to get employment in the market. . The department encourages the faculty members and the students to participate paper presentations, seminars, workshops and National, International conferences and research activities. The department is well equipped laboratories and the computers have sophisticated development software tools. The department provides training to its students in advanced technologies like JAVA, WEB TECHNOLOGIES,.NET, PHP, Data Warehousing, Data Mining tools and Data storage systems as a supplement to the curriculum to enhance the employability of students. Our faculty members are the members of Computer Society of India, ISTE, IEEE.

ABOUT COURSE

In this course you'll get started working on your very first Progressive Web App (PWA) - a web app that can take advantage of many of the features native applications have enjoyed. You'll also get more experience in creating a web app that works offline using Service Workers. Finally, you'll make your app installable to the user's home screen with the Web App Manifest file.

TOPICS TO BE COVERED

Day 1: Progressive Web Apps

Day 2: What is a Progressive Web App is and why you   would want to make one? Get started building out your very own app shell.

Day 3: Service Workers

Day 4: Use Service Workers to enable your application to work offline, Identify which assets you should cache and how to use these cached assets in your application.

Day 5 :Web App Manifest

 Day 6 : Allow users to install your Progressive Web App to their device's home screen, Properly configure a Web App Manifest.

For Registration please contact Ms. D.B.Santhosi, Assistant Professor, CSE

CHIEF PATRON	PATRON	CHAIRMAN
Smt. M. Gnaneswari	Dr. C P V N J Mohan Rao	Dr. G. Satyanarayana
President	Principal,	Head of the Department
Avanthi Institute Of Engineering And Technology	Avanthi Institute Of Engineering And Technology	Computer Science and Engineering

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

Dt: 05-07-2018.

On behalf of the Department of Computer Science and Engineering, AIET is conducting collaboratively with APSSDC Six days certificate course on "**Progressive Web Development**" from 12th July 2018 to 18th July 2018 for all the students of III year CSE .I advise to all the students of III year CSE to enroll your details for above course. For more details, you may consult Course Coordinator Ms.D.B.Santhosi, Assistant Professor, CSE.

Resource Person Details:

1. Ms.Sai Navya
   APSSDC Trainer
2. Ms.Ch.Sindhu
   APSSDC Trainer

G.Satyanarayana
Dr.G.Satyanarayana
Head of the Department
Computer Science and Engineering
Avanthi Institute of Engg & Technology
Tamaram, Makavarapalem Md
Visakhapatnam District, Pin-531113

Copy to: Principal, AIET

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Tamaram, Makavarapalem, Narsipatnam (RD), Visakhapatnam-531113

Progressive Web Development

Date: 12-7-2018 to 18-7-2018

<u>Syllabus</u>

Day 1: Progressive Web Apps

Day 2: What is a Progressive Web App is and why you would want to make one? Get started building out your very own app shell.

Day 3: Service Workers
Day 4: Use Service Workers to enable your application to work offline, Identify which assets you should cache and how to use these cached assets in your application.

Day 5: Web App Manifest
Day 6: Allow users to install your Progressive Web App to their device's home screen, Properly configure a Web App Manifest.

Coordnator

G.Satyanarayana
Dr.G.Satyanarayana

Head of the Department

Computer Science and Engineering
Avanthi Institute of Engg & Technology
Tamaram, Makavarapalem Md
Visakhapatnam District, Pin-531113

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Progressive Web Development

Date: 12-7-2018 to 18-7-2018

<u>Schedule</u>

<u>Day 1(12-7-2018)</u>

9.00A.M – 1.00P.M : introduction to Progressive Web Apps

1.00P.M – 2.00P.M : Lunch

2.00P.M – 4.00P.M : Discuss about Progressive Web Apps

<u>Day 2(13-7-2018)</u>

9.00A.M – 1.00P.M : What is a Progressive Web App

1.00P.M – 2.00P.M : Lunch

2.00P.M – 4.00P.M : why you would want to make one? Get started building out your very own app shell.

<u>Day 3(14-7-2018)</u>

9.00A.M – 1.00P.M : Service Workers

1.00P.M – 2.00P.M : Lunch

2.00P.M – 4.00P.M : Service Workers

<u>Day 4(16-7-2018</u>)

9.00A.M – 1.00P.M : Use Service Workers to enable your application to   work offline.
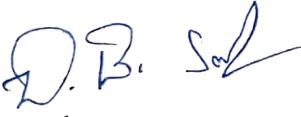
1.00P.M – 2.00P.M : Lunch

2.00P.M – 4.00P.M : Identify which assets you should cache and how to use these cached assets in your application.

Day 5(17-7-2018)

9.00A.M – 1.00P.M   : Web App Manifest

1.00P.M – 2.00P.M   : Lunch

2.00P.M – 4.00P.M   : Web App Manifest

Day 6(18-7-2018)

9.00A.M – 1.00P.M : Allow users to install your Progressive Web App to their device's home screen.

1.00P.M – 2.00P.M   : Lunch

2.00P.M – 4.00P.M   : Properly configure a Web App Manifest.

Coordnator

G.Satyanarayana
Dr.G.Satyanarayana

Head of the Department

Computer Science and Engineering

Avanthi Institute of Engg & Technology,
Tamaram, Makavarapalem Md
Visakhapatnam District, Pin-531113

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Tamaram,Makavarapalem,Narsipatnam(RD),Visakhapatnam-531113
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Progressive Web Development
Dated :12/07/2018 To 18/7/2018
III B.Tech STUDENTS ATTENDANCE LIST

S.NO	ROLL NO	NAME OFD THE STUDENT	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
1	16811A0501	ABRAHAM SHARON LEELA ROSILYN	✓	✓	✓	✓	✓	✗
2	16811A0502	ADHIKARI SWATHI	✓	✓		✗	✓	✓
3	16811A0503	AKULA LAVANYA	✓		✓	✓	✓	✗
4	16811A0504	ANNAPAREDDY DALI DEEPIKA	✓	✓	✓	✓	✓	✓
5	16811A0505	BADIREDDY SURENDRA	✓	✓		✓	✓	✓
6	16811A0506	BANDARU SARASWATHI	✓	✓	✓	✓	✓	✓
7	16811A0507	BEESETTI YUVA KIRAN SAI	✓	✓	✗	✓	✗	✓
8	16811A0508	BHEEMISETTY LAVANYA	✓	✓	✓	✓	✓	✓
9	16811A0509	BHEEMISETTY RAMYA	✓	✓	✓	✓	✓	✓
10	16811A0510	BOBBADI SIVA GOWRI NEELIMA	✓	✓	✓	✓	✓	✓
11	16811A0511	BODDEDA SIVA GOPI LAKSHMI	✓	✓	✓	✓	✓	✓
12	16811A0512	BODDU JAYA MADHURI	✓	✓	✓	✓	✓	✓
13	16811A0513	BOLEM SAIKUMAR	✓	✓	✓	✗	✓	✓
14	16811A0514	BOTCHA DURGA	✓	✓	✓	✓	✓	✗
15	16811A0515	DARAKONDA VASANTHA LAXMI	✓	✓	✓	✓	✗	✓
16	16811A0516	DEVARAPALLI NAGA KAIVALYA	✓	✓	✗	✓	✓	✗
17	16811A0517	DEVARASETTI JAGADESWAR RAO	✓	✓	✓	✓	✓	✓
18	16811A0518	DHARMALA SAI GURUDATTA CHARAN	✓	✓	✓	✗	✓	✓
19	16811A0519	DIMILI RAGHURAM	✓	✓	✓	✗	✓	✓
20	16811A0520	DODDI HARIKA RAMANI	✓	✗	✓	✓	✓	✗
21	16811A0521	DWARAPUREDDY ANITHA	✓	✓	✓	✓	✓	✓
22	16811A0522	ELLAPU UPENDRA KUMAR NOOKA RAJU	✓	✓	✓	✓	✓	✓

23	16811A0523	GANDETI SRINIVASA RAO	✓	✓	✓	✓	✓	✓
24	16811A0524	GANDIPADALA GANGADHAR	✓	✓	✓	✓	✗	✓
25	16811A0525	GANGALA SRAVANI	✓	✓	✓	✓	✓	✓
26	16811A0526	GANGIREDDY GOUTHAM	✓	✓	✓	✓	✓	✓
27	16811A0527	GINNI JYOTHISHMATHI	✓	✓	✗	✓	✓	✓
28	16811A0528	GOGADA SATISH NAIDU	✓	✓	✓	✓	✓	✗
29	16811A0529	GORLE PADMA	✓	✓	✓	✓	✓	✓
30	16811A0530	GUDIVADA EEPSITHA JAHNAVI	✓	✓	✓	✓	✓	✓
31	16811A0531	GUMMIDI INDRAVATHI	✓	✓	✓	✓	✗	✓
32	16811A0532	JETTI HEMANTHI	✓	✓	✓		✓	✓
33	16811A0533	KAVULURI MANASA SRILAXMI	✓	✓	✓	✗	✓	✓
34	16811A0534	KILAPARTHI SOMESWARA RAO	✓	✓	✓	✓	✓	✓
35	16811A0535	KILLADA LEELA PRASAD	✓	✓	✓	✓	✓	✓
36	16811A0536	KOLAGANI GIRISHMA	✓	✓	✓	✓	✓	✗
37	16811A0537	KONA VARMA	✓	✓	✓	✓	✓	✓
38	16811A0538	KOTIPALLI SWAMY	✓	✓	✓	✓	✓	✓
39	16811A0539	KUNCHA GANGA BHAVANI	✓	✓	✓	✓	✗	✓
40	16811A0540	KUNDRAPU SIVAKRISHNA	✓	✓	✓	✓	✓	✓
41	16811A0541	KUPIREDDY SRAVANI	✓	✓	✓	✓	✓	✗
42	16811A0542	KUPPILI SANDEEP KUMAR	✓	✓	✗	✓	✓	✓
43	16811A0543	LAKAMSANI DURGA SAI ANIL CHOWDARY	✓	✓	✓	✗	✓	✓
44	16811A0544	MADEM UMADEVI	✓	✓	✓	✓		✓
45	16811A0545	MALLA MRUDULANKITHA	✓	✓	✓	✓	✗	✓
46	16811A0546	MATSA BHAGYA LAKSHMI	✓	✓	✓	✓	✓	✓
47	16811A0547	MEDESETTI PAVANI	✓	✓	✓	✓	✓	✗
48	16811A0548	MIDATHANA SITARAMA RAJU	✓	✓	✗	✓	✓	✓
49	16811A0549	MINDI SAI VENKATA SRIKANTH	✓	✓	✓	✓	✓	✓
50	16811A0550	MISRO MONALI	✓	✓	✓	✓	✓	✓
51	16811A0551	MODALAVALASA MADHU TARUN SAI	✓	✓	✓	✓	✗	✓
52	16811A0552	MOHAMMAD GULE AFSHA	✓	✓	✓	✓	✓	✓
53	16811A0553	NADIPINTI DURGA MOHAN PRASAD	✓	✓	✓	✓	✓	✓
54	16811A0554	NAGUBILLI SANTHOSHILAKSHMI	✓	✓	✓	✓	✓	✓

55	16811A0555	NAKKA GANESHDURGA	✓	✓	✓	✓	✓	✓
56	16811A0556	NALLALA RAMU	✓	✓	✓	✓	✓	✓
57	16811A0557	NALLALA SATEESWARARAO	✓	x	✓	✓	✓	✓
58	16811A0558	PACHCHIKURA LIKITHA	✓	✓	X	x	✓	✓
59	16811A0559	PACHIGOLLA SRINIVASU	X	✓	✓	✓	✓	✓
60	16811A0560	PANDE GIRINDHAR RAO	✓	X	✓	✓	✓	✓
61	16811A0561	PAPPU KRUTHIKA	✓	✓	✓	✓	✓	X
62	16811A0562	PATCHIGOLLA LATHA	x	✓		x	✓	✓
63	16811A0563	PATHALA PRASAD	✓	X	✓	✓		✓
64	16811A0564	PATNANA KISAN KUMAR	✓	✓	✓	✓	✓	✓

Coordinator

G. Satyanarayana
HOD
Avanthi Institute of Engg & Technolog,
Tamaram, Makavarapalem Md
Visakhapatnam District, Pin-531113

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

A Course On

Progressive Web Development

Dated : 12/7/2018

Coordinator

HOD

Andhra Pradesh State Skill Development Corporation (APSSDC)

Skill (Department of Skill Development, Enterprenureship & Innovation, Govt. of Andhra Pradesh)

Reg Id: 14H71A0391

Certificate of Participation

This is to certify that Mr./Ms./Mrs. **Botcha Durga**

of **Avanthi Institute of Engineering and Technology**

participated in **Progressive Web Development Workshop**

held from **12-7-2018** to **18-7-2018**

Subbarao Ghanta (signature)

Director - APSSDC
(Dr.Subbarao Ghanta)

Principal

Head of The Department
(Computer Science and Engineering)

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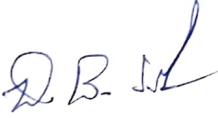Tamaram, Makavarapalem, Narsipatnam(RD), Visakhapatnam-531113

Department of Computer Science and Engineering

Dt: 20-7-2018

BRIEF REPORT

Department of Computer Science and Engineering, Avanthi Institute of Engineering and Technology had organized a NPTEL certificate course on **"Progressive Web Development"** during 12-7-2018 to 18-7-2018.

We had **Resource Person: Mr.N.Rajesh, APSSDC Trainer** as the speaker to explain each and every detail about PWA, such as itis a set of optimal software development practices aimed at making a web application function similarly to a mobile or desktop app. Similarly to a mobile application, PWAs send push notifications and have an icon on the home screen. At the same time, progressive web applications are simpler and faster than traditional mobile apps, and they can be shared through a URL.PWA development helps the developers and businesses bridge the gap between web and native experiences, which sometimes results in time-consuming, discouraging, or unreliable user experience.A progressive web app development company understands that having to look for an app in the store is too much effort for modern-day users. People strive to save their time and effort and, at the same time, to find the most effective solutions. Therefore, PWA technology is applied to enable users to access a native-like mobile version of their favorite website with a single tap.Progressive web app development companies employ the most recent web technology aimed at delivering the most amazing web experience to the user. By boosting the performance, accessibility, and user engagement, progressive web app developers ensure that these apps are fast, engaging, and reliable.

Coordinator

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Head of the Department
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