

SYLLABUS/  
CURRICULUM



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai)

Madurai - Sivagangai Highway, Arasanoor, Thirumansolai Post, Sivagangai Dt. - 630 561, Tamilnadu  
Mobile : 9842102628, 7373002628 Email: info@psyec.edu.in Website : www.psyec.edu.in

City Office : 10, Pandian Saraswathi St, Sivagami Nagar, Narayanapuram, Madurai - 625 014. Telefax- 0452 2682338, Mobile : 98423-02628

## DEPARTMENT OF CIVIL ENGINEERING

Academic Year 2019-2020

### VACCE1920UP - Utilizing Primavera for Project Management Success

#### OBJECTIVE OF THE COURSE

- The objective of the Project Management with Primavera course is to equip participants with a comprehensive understanding of project management fundamentals and advanced proficiency in using Primavera P6 software.
- This course aims to enhance skills in project planning, scheduling, resource and cost management, and risk mitigation. Participants will learn to monitor and control project progress, generate insightful reports, and effectively collaborate with stakeholders.

#### Chapter 1

5

Introduces project management fundamentals, covering essential concepts, methodologies, and the project life cycle.

#### Chapter 2

6

Developments into mastering Primavera P6, familiarizing participants with its interface and core functionalities

#### Chapter 3

6

P6 project planning and scheduling, learning on P6- detailed project plans, define work breakdown structures, and allocate resources effectively.

#### Chapter 4

6

Cost resource management, teaching techniques for optimizing the use of labour, materials, and equipment. Cost management

#### Chapter 5

6

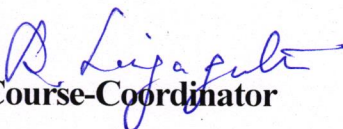
participants budgeting, cost estimation, and expenditure tracking- The addresses risk management, guidelines on identifying potential risks and developing mitigation strategies using Primavera.

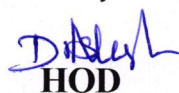
#### Chapter 6

6

Project monitoring and control are explored, emphasizing progress tracking, variance analysis, and corrective actions.

**TOTAL HOURS:35**

  
Course-Coordinator

  
HOD

  
PRINCIPAL



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai)

Madurai - Sivagangai Highway, Arasanoor, Thirumansolai Post, Sivagangai Dt. - 630 561, Tamilnadu  
Mobile : 9842102628, 7373002628 Email: info@psyec.edu.in Website : www.psyec.edu.in

City Office : 10, Pandian Saraswathi St, Sivagami Nagar, Narayanapuram, Madurai - 625 014. Telefax- 0452 2682338, Mobile : 98423-02628

## DEPARTMENT OF CIVIL ENGINEERING

Academic Year 2019-2020

### VACCE1920UP - Utilizing Primavera for Project Management Success

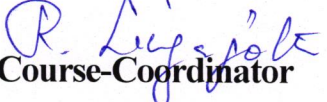
#### Course Schedule

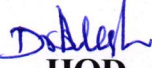
Date	Time	TOPICS
03/07/2019	9.00 am to 12.15 pm	Introduces project management fundamentals, covering essential concepts, methodologies, and the project life cycle.
	1.00 pm to 4.15 pm	
04/07/2019	9.00 am to 12.15 pm	Developments into mastering Primavera P6, familiarizing participants with its interface and core functionalities
	1.00 pm to 4.15 pm	
05/07/2019	9.00 am to 12.15 pm	P6 project planning and scheduling, learning on P6- detailed project plans, define work breakdown structures, and allocate resources effectively.
	1.00 pm to 4.15 pm	
06/07/2019	9.00 am to 12.15 pm	Cost resource management, teaching techniques for optimizing the use of labour, materials, and equipment. Cost management
	1.00 pm to 4.15 pm	
07/07/2019	9.00 am to 12.15 pm	participants budgeting, cost estimation, and expenditure tracking- The addresses risk management, guidelines on identifying potential risks and developing mitigation strategies using Primavera.
	1.00 pm to 4.15 pm	
08/07/2019	9.00 am to 12.15 pm	Project monitoring and control are explored, emphasizing progress tracking, variance analysis, and corrective actions.
	1.00 pm to 4.15 pm	

Tea Break : FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm

Lunch : 12:15 pm to 01:00pm

**Total Hours :35**

  
Course-Coordinator

  
HOD

  
PRINCIPAL



# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University, Chennai)

Madurai - Sivagangal Highway, Arasanoor, Thirumansolai Post, Sivagangal Dt. - 630 561, Tamilnadu  
Mobile : 9842102628, 7373002628 Email: info@psyec.edu.in Website : www.psyec.edu.in

City Office : 10, Pandian Saraswathi St, Sivagami Nagar, Narayanapuram, Madurai - 625 014. Telefax- 0452 2682338, Mobile : 98423-02628

## DEPARTMENT OF CIVIL ENGINEERING

Academic Year 2019-2020

### VACCE1920UP - Utilizing Primavera for Project Management Success

#### One-page Report

Name of the course : Utilizing Primavera for Project Management Success

Development Course Code : VACCE1920UP


Course Coordinator : Mrs LINGA JOTHI AP/Civil


Date/Duration : 03.07.2019 to 08.07.2019— 35 hours

I here affirm that the Second-year students of strength 55 have been taught the value-added course title “Utilizing Primavera for Project Management Success” as per the syllabus and completed within the stipulated time duration.

I confirm that the value-added course titled “Utilizing Primavera for Project Management Success” has been conducted in the beginning of the semester and course delivery along with the attendance of the students was recorded.

I confirmed that all the students were actively participated in the course and the eligible students were certified for the course.

  
Course-Coordinator

  
HOD

  
PRINCIPAL

# ASSESSMENT PROCEDURE

**PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE,  
ARASANOOR -630561  
DEPARTMENT OF CIVIL ENGINEERING**

**Academic Year 2019-2020**

**VACCE1920UP - Utilizing Primavera for Project Management Success**

Assessment Questions with Answer

1. **In time-cost optimization of a project, crashing is done.**
  - (A) On all the activities
  - (B) On all the activities lying on the critical path
  - (C) Only on activities lying on the original critical path and having flatter cost slopes
  - (D) On original critical activities and those that become critical at any stage of crashing in the order of ascending cost slope**
  
2. **Which of the following does not represent an activity?**
  - (A) Site located**
  - (B) Foundation is being dug
  - (C) The office area is being cleaned
  - (D) The invitations are being sent
  
3. **In resources levelling**
  - (A) Total duration of project is reduced
  - (B) Total duration of project is increased
  - (C) Uniform demand of resources is achieved**
  - (D) Cost of project is controlled
  
4. **Sensitivity analysis is a study of**
  - (A) Comparison of profit and loss
  - (B) Comparison of assets and liabilities
  - (C) Change in output due to change in input**
  - (D) Economics of cost and benefits of the project
  
5. **Preliminary project report for a road project must contain**
  - (A) The detailed estimated cost based on detailed design
  - (B) The several alternatives of the project that have been considered
  - (C) The soil survey, traffic survey, concept design and approximate cost**
  - (D) The contract documents for inviting tenders

6. For which of the following materials, the output of power shovels for a fixed shovel size will be maximum

- (A) Moist loam
- (B) Good common earth
- (C) Well blasted rock
- (D) Wet sticky clay

7. In PERT analysis, the time estimates of activities and probability of their occurrence follow

- (A) Normal distribution curve
- (B) Poisson's distribution curve
- (C) Beta distribution curve
- (D) None of the above

8. Free float is mainly used to

(A) Identify the activities which can be delayed without affecting the total float of preceding activity

(B) Identify the activities, which can be delayed without affecting the total float of succeeding activity

(C) Establish priorities

(D) Identify the activities which can be delayed without affecting the total float of either the preceding or succeeding activities

9. Grader is used mainly for

(A) Trimming and finishing

(B) Shaping and trimming

(C) Finishing and shaping

(D) Finishing, shaping and trimming

10. Which of the following surfaces will give highest rolling resistance for a rubber tyred vehicle?

(A) Concrete

(B) Loose sand

(C) Asphalt

(D) Firm earth

*R. Ganga Gokhale*  
Course Coordinator

*D. M. ...*  
HOD

*[Signature]*  
Principal

PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE,  
ARASANOOR -630561  
DEPARTMENT OF CIVIL ENGINEERING

Academic Year 2019-2020

VACCE1920UP - Utilizing Primavera for Project Management Success  
Assessment Test Paper

REGISTER NUMBER: 912018103019

NAME OF THE STUDENT: MAA LAKSHMI.M.

9  
10

1. In time-cost optimization of a project, crashing is done.
  - (A) On all the activities
  - (B) On all the activities lying on the critical path
  - (C) Only on activities lying on the original critical path and having flatter cost slopes
  - (D) On original critical activities and those that become critical at any stage of crashing in the order of ascending cost slope
2. Which of the following does not represent an activity?
  - (A) Site located
  - (B) Foundation is being dug
  - (C) The office area is being cleaned
  - (D) The invitations are being sent
3. In resources levelling
  - (A) Total duration of project is reduced
  - (B) Total duration of project is increased
  - (C) Uniform demand of resources is achieved
  - (D) Cost of project is controlled
4. Sensitivity analysis is a study of
  - (A) Comparison of profit and loss
  - (B) Comparison of assets and liabilities
  - (C) Change in output due to change in input
  - (D) Economics of cost and benefits of the project
5. Preliminary project report for a road project must contain
  - (A) The detailed estimated cost based on detailed design
  - (B) The several alternatives of the project that have been considered
  - (C) The soil survey, traffic survey, concept design and approximate cost
  - (D) The contract documents for inviting tenders



6. For which of the following materials, the output of power shovels for a fixed shovel size will be maximum

- (A) Moist loam
- (B) Good common earth
- (C) Well blasted rock
- (D) Wet sticky clay

7. In PERT analysis, the time estimates of activities and probability of their occurrence follow

- (A) Normal distribution curve
- (B) Poisson's distribution curve
- (C) Beta distribution curve
- (D) None of the above

8. Free float is mainly used to

- (A) Identify the activities which can be delayed without affecting the total float of preceding activity
- (B) Identify the activities, which can be delayed without affecting the total float of succeeding activity
- (C) Establish priorities
- (D) Identify the activities which can be delayed without affecting the total float of either the preceding or succeeding activities

9. Grader is used mainly for

- (A) Trimming and finishing
- (B) Shaping and trimming
- (C) Finishing and shaping
- (D) Finishing, shaping and trimming

10. Which of the following surfaces will give highest rolling resistance for a rubber tyred vehicle?

- (A) Concrete
- (B) Loose sand
- (C) Asphalt
- (D) Firm earth

*P. Laxipati*  
Course Coordinator

*S. K. Singh*  
HOD

*[Signature]*  
Principal

Enrollment  
Student Name  
List

PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE, ARASANOOR 630561  
DEPARTMENT OF CIVIL ENGINEERING

Academic Year 2019-2020

Student Registration Sheet

Period of course: 03.07.2019 to 08.07.2019

Duration of Course: 35 hours

VACCE1920UP- UTILIZING PRIMAVERA FOR PROJECT MANAGEMENT SUCCESS

Sl. No	Register Number	Student Name	Signature of the Student
1	912018103001	AARTHI V	Aarthi
2	912018103002	ABIMANYU R	Abimanyu
3	912018103003	ABIRAMI P M	Abirami
4	912018103004	ALAGU MURUGAN A	Alagu Murugan
5	912018103005	ANAND A	Anand
6	912018103006	ARUNKUMAR N	Arun Kumar
7	912018103007	AYYANAR P	Ayyanar
8	912018103008	AZHAGU RAJA M	Azhagu Raja
9	912018103009	BALAMURUGAN M	Balamurugan
10	912018103010	BIKASH KUMAR MANDAL	Bikash Kumar Mandal
11	912018103011	DHANISH KUMAR MV	Dhanish
12	912018103012	GOKULAKRISHNAN P	Gokulakrishnan
13	912018103013	HARI HARA SUDHAN P	Hari Hara Sudhan
14	912018103014	HARIPRASATH P	Hariprasath
15	912018103015	JEGATHEESH KUMAR P	Jegatheesh Kumar
16	912018103016	KAMALI A	Kamali
17	912018103017	KARTHIKEYAN A	Karthikeyan
18	912018103018	KARUPPU SAMY P	Karuppu
19	912018103019	MAHA LAKSHMI M	Maha Lakshmi
20	912018103020	MANIKANDAN A	Manikandan
21	912018103021	MANOJKUMAR S	Manoj Kumar
22	912018103022	MUGESH K	Mugesh
23	912018103023	POORNARAJAN A	Poorna Rajan
24	912018103024	PRAVEEN B	Praveen
25	912018103025	PRAVEEN K	Praveen
26	912018103026	RUBINI P	Rubini
27	912018103027	SENTHILMURUGAN S	Senthimurugan

28	912018103028	SHALINI M	M. shalini
29	912018103029	SHENBAGA PRAVEEN KUMAR M	shenbaga
30	912018103030	SOUNDARYA M	Saundaram
31	912018103031	SURYA K	K. SURYA
32	912018103032	SUSMITHA T	susmitha T
33	912018103033	VASANTH M	vasanth
34	912018103034	VIGNESH A	Vignesh
35	912018103035	YUVARAJ SINGH D	Yuvraj
36	912018104001	ABINAYA H	H. Abini
37	912018104002	ABINAYA K	Abinaya K
38	912018104003	AKSHAYA S	Akshaya
39	912018104005	BASKARASETHUPATHI S	Baskaras
40	912018104007	DIVYA T	Divya
41	912018104008	GAYATHIRI P	Gayathiri P
42	912018104011	HARIHARAN M	M. Hariharan
43	912018104012	JEGATHEESAN K	Jegath
44	912018104013	JOTHIARUL R	Jothi
45	912018104014	KARTHIK RAJA K	Karthi
46	912018104015	KAVIYA B	B. Kaviya
47	912018104016	KOKILA V	Kokila V.
48	912018104017	LALITHA LAKSHMI K	Lakshmi
49	912018104018	MAGESHKUMAR S	Magesh
50	912018104019	MUTHU MOHAMMAD K	Muthu
51	912018104020	NAGAPRIYADHARSHINI M	Nagadharshini
52	912018104021	NAGARAJ D	Nagaraj
53	912018104022	NAVEEN G	G. Naveen
54	912018104023	PARTHIBAN N	Parthiban
55	912018104024	PRADEEP S	P. Pradeep

R. Lijajith  
Course Coordinator

D. D. D. D.  
HOD

Principal

# STUDENTS ATTENDANCE



27	912018103027	SENTHILMURUGAN S	Senith	Senith	Senith	Senith	Senith	Senith
28	912018103028	SHALINI M	Shu	Shu	Shu	Shu	Shu	Shu
29	912018103029	SHENBAGA PRAVEEN KUMAR M	Shen	Shen	Shen	Shen	Shen	Shen
30	912018103030	SOUNDARYA M	Shu	Shu	Shu	Shu	Shu	Shu
31	912018103031	SURYA K	Surya	Surya	Surya	Surya	Surya	Surya
32	912018103032	SUSMITHA T	Shu	Shu	Shu	Shu	Shu	Shu
33	912018103033	VASANTH M	Vas	Vas	Vas	Vas	Vas	Vas
34	912018103034	VIGNESH A	Vign	Vign	Vign	Vign	Vign	Vign
35	912018103035	YUVARAJ SINGH D	Yuv	Yuv	Yuv	Yuv	Yuv	Yuv
36	912018104001	ABINAYA H	Abin	Abin	Abin	Abin	Abin	Abin
37	912018104002	ABINAYA K	Abin	Abin	Abin	Abin	Abin	Abin
38	912018104003	AKSHAYA S	Aksh	Aksh	Aksh	Aksh	Aksh	Aksh
39	912018104005	BASKARASETHUPATHI S	Bask	Bask	Bask	Bask	Bask	Bask
40	912018104007	DIVYA T	Div	Div	Div	Div	Div	Div
41	912018104008	GAYATHIRI P	Gay	Gay	Gay	Gay	Gay	Gay
42	912018104011	HARIHARAN M	Hari	Hari	Hari	Hari	Hari	Hari
43	912018104012	JEGATHEESAN K	Jega	Jega	Jega	Jega	Jega	Jega
44	912018104013	JOTHIARUL R	Joti	Joti	Joti	Joti	Joti	Joti
45	912018104014	KARTHIK RAJA K	Kar	Kar	Kar	Kar	Kar	Kar
46	912018104015	KAVIYA B	Kavi	Kavi	Kavi	Kavi	Kavi	Kavi
47	912018104016	KOKILA V	Ko	Ko	Ko	Ko	Ko	Ko
48	912018104017	LALITHA LAKSHMI K	Lal	Lal	Lal	Lal	Lal	Lal
49	912018104018	MAGESHKUMAR S	Mage	Mage	Mage	Mage	Mage	Mage
50	912018104019	MUTHU MOHAMMAD K	Muth	Muth	Muth	Muth	Muth	Muth
51	912018104020	NAGAPRIYADHARSHINI M	Naga	Naga	Naga	Naga	Naga	Naga
52	912018104021	NAGARAJ D	Naga	Naga	Naga	Naga	Naga	Naga
53	912018104022	NAVEEN G	Nave	Nave	Nave	Nave	Nave	Nave
54	912018104023	PARTHIBAN N	Part	Part	Part	Part	Part	Part
55	912018104024	PRADEEP S	Prad	Prad	Prad	Prad	Prad	Prad

Tea Break : FN- 11:00 am to 11:15am & AN-03:00 pm to 03:15 pm

Lunch : 12:15 pm to 01:00pm

R. Linge Gowda  
Course Coordinator

D. S. Lakshmi  
HOD

  
Principal

PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE, ARASANOOR 630561  
DEPARTMENT OF CIVIL ENGINEERING

Academic Year 2019-2020

**Student Performance Sheet**

Period of course: 03.07.2019 - 08.07.2019

Duration of Course: 35 hours

VACCE1920UP- UTILIZING PRIMAVERA FOR PROJECT MANAGEMENT SUCCESS

Sl. No	Register Number	Student Name	Assessment Marks
1	912018103001	AARTHI V	89
2	912018103002	ABIMANYU R	90
3	912018103003	ABIRAMI P M	95
4	912018103004	ALAGU MURUGAN A	88
5	912018103005	ANAND A	89
6	912018103006	ARUNKUMAR N	96
7	912018103007	AYYANAR P	91
8	912018103008	AZHAGU RAJA M	89
9	912018103009	BALAMURUGAN M	88
10	912018103010	BIKASH KUMAR MANDAL	86
11	912018103011	DHANISH KUMAR MV	85
12	912018103012	GOKULAKRISHNAN P	91
13	912018103013	HARI HARA SUDHAN P	95
14	912018103014	HARIPRASATH P	96
15	912018103015	JEGATHEESH KUMAR P	98
16	912018103016	KAMALI A	91
17	912018103017	KARTHIKEYAN A	84
18	912018103018	KARUPPU SAMY P	89
19	912018103019	MAHA LAKSHMI M	90
20	912018103020	MANIKANDAN A	92
21	912018103021	MANOJKUMAR S	95
22	912018103022	MUGESH K	93
23	912018103023	POORNARAJAN A	95
24	912018103024	PRAVEEN B	98
25	912018103025	PRAVEEN K	91
26	912018103026	RUBINI P	98
27	912018103027	SENTHILMURUGAN S	90
28	912018103028	SHALINI M	94



29	912018103029	SHENBAGA PRAVEEN KUMAR M	92
30	912018103030	SOUNDARYA M	95
31	912018103031	SURYA K	93
32	912018103032	SUSMITHA T	95
33	912018103033	VASANTH M	89
34	912018103034	VIGNESH A	88
35	912018103035	YUVARAJ SINGH D	92
36	912018104001	ABINAYA H	96
37	912018104002	ABINAYA K	88
38	912018104003	AKSHAYA S	85
39	912018104005	BASKARASETHUPATHI S	82
40	912018104007	DIVYA T	91
41	912018104008	GAYATHIRI P	95
42	912018104011	HARIHARAN M	92
43	912018104012	JEGATHEESAN K	97
44	912018104013	JOTHIARUL R	90
45	912018104014	KARTHIK RAJA K	95
46	912018104015	KAVIYA B	89
47	912018104016	KOKILA V	81
48	912018104017	LALITHA LAKSHMI K	82
49	912018104018	MAGESHKUMAR S	90
50	912018104019	MUTHU MOHAMMAD K	92
51	912018104020	NAGAPRIYADHARSHINI M	89
52	912018104021	NAGARAJ D	85
53	912018104022	NAVEEN G	87
54	912018104023	PARTHIBAN N	81
55	912018104024	PRADEEP S	96

*R. Sujith*  
Course Coordinator

*D. Alesh*  
HOD

*[Signature]*  
Principal

MODEL  
CERTIFICATES

# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

Approved by AICTE & Affiliated to Anna University, Chennai.  
Arasanoor, Thirumansolai Post, Sivagangai – Madurai Highway, Tamilnadu – 630 561

Value added course on

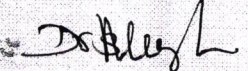
**Utilizing Primavera for Project Management Success**

Organized by


**DEPARTMENT OF CIVIL ENGINEERING**

## CERTIFICATE

This is to Certify that .....AARTHI.V..... from Second year students has participated in the value-added course on **Utilizing Primavera for Project Management Success** by the Department of Civil Engineering from 03.07.2019 to 08.07.2019 (35 Hours) at Pandian Saraswathi Yadav Engineering College, Sivagangai.

  
Dr. MEENAKSHI SUDARVIZHI

HOD

  
Dr. R. RAJA  
PRINCIPAL

# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

Approved by AICTE & Affiliated to Anna University, Chennai.

Arasanoor, Thirumansolai Post, Sivagangai – Madurai Highway, Tamilnadu - 630 561

Value added course on

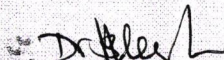
**Utilizing Primavera for Project Management Success**

Organized by

**DEPARTMENT OF CIVIL ENGINEERING**

## CERTIFICATE

This is to Certify that .....KAMALI.A...... from Second year students has participated in the value-added course on **Utilizing Primavera for Project Management Success** by the Department of Civil Engineering from 03.07.2019 to 08.07.2019 (35 Hours) at Pandian Saraswathi Yadav Engineering College, Sivagangai.

  
Dr. MEENAKSHI SUDARVIZHI

HOD

  
Dr. R. RAJA  
PRINCIPAL

# PANDIAN SARASWATHI YADAV ENGINEERING COLLEGE

Approved by AICTE & Affiliated to Anna University, Chennai.

Arasanoor, Thirumansolai Post, Sivagangai – Madurai Highway, Tamilnadu – 630 561

**Value added course on**

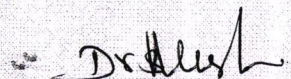
**Utilizing Primavera for Project Management Success**

Organized by

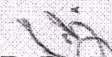
**DEPARTMENT OF CIVIL ENGINEERING**

## CERTIFICATE

This is to Certify that ..... PRAVEEN B. ..... from Second year students has participated in the value-added course on **Utilizing Primavera for Project Management Success** by the Department of Civil Engineering from 03.07.2019 to 08.07.2019 (35 Hours) at Pandian Saraswathi Yadav Engineering College, Sivagangai.

  
Dr. MEENAKSHI SUDARVIZHI

HOD

  
Dr. R. RAJA  
PRINICIPAL