

FDP, Conference, Programmes, Nonformal Course, IIPC

(Honorarium, Coordinator Fees, Prize Money, Remuneration etc.. All are transfer only individual account)

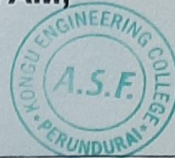
Bills in order)

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**KONGU ENGINEERING COLLEGE, THOPPUPALAYAM,
PERUNDURAI, ERODE – 638 060**

ACCOUNT SETTLEMENT FORM

(Function / Events Conducted @ KEC)



<u>Association</u>	<u>Value Added Course</u>	<u>IIPC</u>	<u>Others : DNECREDIT COURSE</u>
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DATE : 6-12-21

Department	: Mechatronics		
Name of the Function / Event	: Two credit course on 18VAC23 "Labview CORE1 and CORE 2 programming (B1010 II)"		
Function In-charge	: Dr. N. Nithiyarathy		
Date of Function / Event	: 27.9.21 to 30.12.21		
Date of proposal	: 25.9.21		
Amount sanctioned	: ₹. 41300		
Amount Collected from Participants (if any)	Amount (A)	Service Tax (B)	Total (A + B)
	₹. 40120	₹. —	₹. 40120
	Receipt No. & Date		1763 - 1796
Advance amount Received & Date	: ₹. —	Date: —	
Total expenses	: ₹. 40120		
Balance amount Remitted	: ₹. —	Receipt No.	Receipt Date
		—	—
Amount Claimed (if any)	: ₹. 40120		
Amount to KEC / IIPC	: ₹. —	Percentage (%)	
		—	

Nithiyarathy
Dr. N. Nithiyarathy
FACULTY INCHARGE
(WITH NAME)

P.D.
HOD 8/12/21

CCO

For Office use only

SUPERINTENDENT

A.R.

REGISTRAR



KONGU ENGINEERING COLLEGE

(Autonomous)
PERUNDURAI, ERODE - 638 060



DEPARTMENT OF MECHATRONICS ENGINEERING
KEC - NI LABVIEW ACADEMY SCHOOL



"18VAC23 - LabVIEW: Core 1 and Core 2 Programming"

Bill Settlement - Expenditure Statement

Date: 02.12.2021

Venue: Online mode - MTS Dept.

Two credit course on "LabVIEW Core 1 and Core 2 Programming" - 18VAC23
Sep 2021- Nov 2021 / 45 session / III Year - 5th Sem / 34 students

S. No.	Description	Supplier	Bill No. / Date	Expenses in Rs.
01	Remuneration to NI with 18% of Tax	OPTI THOUGHTS, Chennai (Sister concern of NI)	2021-2022 -033 / 24.11.2021	40120.00

Industry expert: Sachin Balaji

Online Course Dates:

Sep 27,28,29,30, Oct 1,2,3,4,5,6,7,8,9,10,11,12,13,15,16,17,18,19,20
23,24,25,26,27,28,29,30,31, Nov 1,2,3,4,5,6,7,8, 9,10,11,12,13 - 2021.

Course fee collected from 38 participants: $34 \times \text{Rs. } 1180 = \text{Rs. } 40120$

Bill No - (1763-1796)

Date of students fees payment: 29/10/2021

Assessment: 15, 16 Nov 2021.

Initially 35 have enrolled, but on start of class one student could not pay the fees due to family situation. Hence he withdraw from registration. (Akash-S).

Course Coordinator
Dr.N.Nithyavathy
V.K.Gobinath

2/12/21
VGP
4147

P.D. #
HOD-MTS 8/12/21



OPTI THOUGHT
TRANSFORMING IDEAS

32/78, Easwardoss street
Triplicane
Chennai - 600 005

TAX INVOICE

Date: 24/11/2021

Invoice Number: 2021 -2022 -033
Company Pan Number: AADFO5899C
GSTIN: 33AADFO5899C1Z5

TO

The Principal
KONGU ENGINEERING COLLEGE
Perundurai, Erode-638 052, Tamilnadu, India
Kind Att : Dr. N. Nithyavathy, Associate Professor, Department of Mechatronics Engineering

Sl.No	Description	Unit Price	Line Total
	Two credit course on "LabVIEW Core 1 and Core 2 Programming" - 18VAC23 Sep 2021- Nov 2021 / 45 session / III Year - 5th Sem / 34 students Industry expert: Sachin Balaji Online Course Date : Sep 27,28,29,30, Oct 1,2,3,4,5,6,7,8,9,10,11,12,13,15,16,17,18,19,20,23,24,25,26,27,28,29,30,31, Nov 1,2,3,4,5,6,7,8,9,10,11,12,13 2021. Assessment: 15,16 Nov 2021.	1,000.00	34,000.00
		GST @ 18%	6,120.00
	Total		40,120.00

Yours Truly,
For OptiThought

For **OPTI THOUGHT**

E. Muralikrishnan **Partner**

Bank Details for online payment:
Account number: 1158115000019142
Account Name: Opti Thought
Bank Name and Branch : KVB, Triplicane
IFSC : KVBL0001158
9 digit code : 600053013

Tel: +91 9884377269

E-mail: contact@optithought.com

RO: 12/24
6122

P.A. 8/12/24

Two credit course on "LabVIEW Core 1 and Core 2 Programming" - 18VAC23
Sep 2021- Dec 2021 / 45 Sesions Industry expert / III Year - 5th Sem / 34 students

S.No	Email Address	Name	Roll number	Fees Paid	Bill No.
1	gowthama.19mts@kongu.edu	GOWTHAM.A	19MTL110	1180	1763
2	harishp.19mts@kongu.edu	HARISH. P	19MTL111	1180	1764
3	kavinrajgr.19mts@kongu.edu	KAVINRAJ G R	19MTL113	1180	1765
4	selvavigneshhariharank.19mts@kongu.edu	K.SELVAVIGNESHHARIHARAN	19MTL122	1180	1766
5	sivasubramanians.19mts@kongu.edu	SIVASUBRAMANIAN.S	19MTL126	1180	1767
6	vigneshwars.19mts@kongu.edu	S.VIGNESHWAR	19MTL129	1180	1768
7	abichandark.19mts@kongu.edu	ABI CHANDAR K	19MTR001	1180	1769
8	akshaykannanr.19mts@kongu.edu	AKSHAY KANNAN R	19MTR005	1180	1770
9	ashwinguhann.19mts@kongu.edu	ASHWIN GUHAN N	19MTR009	1180	1771
10	devadharsinig.19mts@kongu.edu	DEVADHARSINI G	19MTR012	1180	1772
11	gokulrajr.19mts@kongu.edu	GOKUL RAJ R	19MTR016	1180	1773
12	gokulraajp.19mts@kongu.edu	GOKULRAAJ P	19MTR019	1180	1774
13	jagann.19mts@kongu.edu	JAGAN N	19MTR026	1180	1775
14	jayaprakashg.19mts@kongu.edu	JAYAPRAKASH G	19MTR027	1180	1776
15	jidheshp.19mts@kongu.edu	JIDHESH P	19MTR029	1180	1777
16	karthikeyank.19mts@kongu.edu	KARTHIKEYAN K	19MTR031	1180	1778
17	kishorkumarb.19mts@kongu.edu	KISHOR KUMAR B	19MTR038	1180	1779
18	laluprasannasb.19mts@kongu.edu	LALU PRASANNA S B	19MTR043	1180	1780
19	manojj.19mts@kongu.edu	MANOJ J	19MTR046	1180	1781
20	megavarthinim.19mts@kongu.edu	MEGAVARTHINI M	19MTR047	1180	1782
21	mithelaashyaadavd.19mts@kongu.edu	MITHELAASH YAADAV D	19MTR048	1180	1783
22	mohamedthowfiqn.19mts@kongu.edu	MOHAMED THOWFIQ N	19MTR050	1180	1784
23	mohanrajg.19mts@kongu.edu	MOHANRAJ G	19MTR053	1180	1785
24	padmaa.19mts@kongum.edu	PADMA A	19MTR059	1180	1786
25	naveedahmedn.19mts@kongu.edu	NAVEED AHMED N	19MTL116	1180	1787
26	sacchins.19mts@kongu.edu	SACCHIN S	19MTR074	1180	1788
27	samithan.19mts@kongu.edu	SAMITHA N	19MTR076	1180	1789
28	Snehaa.19mts@kongu.edu	SNEHA A	19MTR083	1180	1790
29	srinathn.19mts@kongu.edu	SRINATH N	19MTR088	1180	1791
30	subasp.19mts@kongu.edu	SUBA S P	19MTR090	1180	1792
31	sudaharps.19mts@kongu.edu	SUDAHAR P S	19MTR092	1180	1793
32	sudharsonms.19mts@kongu.edu	SUDHARSON.M.S	19MTR093	1180	1794
33	suryab.19mts@kongu.edu	SURYA B	19MTR095	1180	1795
34	vinothkannas.19mts@kongu.edu	VINOTHKANNA.S	19MTR105	1180	1796

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Two credit course on "LabVIEW Core 1 and Core 2 Programming" - 18VAC23
Sep 2021- Dec 2021 / 45 hours Industry expert / III Year - 5th Sem / 34 students

S.No	Name	Roll number	Assignment I (20)	Assessment I (15)	Assessment II (15)	Experiment/programming (50)	Overall Marks (100)
1	ABI CHANDAR K	19MTR001	14	11	11	44	80
2	AKSHAY KANNAN R	19MTR005	15	12	11	44	82
3	ASHWIN GUHAN N	19MTR009	15	12	12	44	82
4	DEVADHARSINI G	19MTR012	14	11	12	42	80
5	GOKUL RAJ R	19MTR016	16	13	12	48	89
6	GOKULRAAJ P	19MTR019	15	12	11	44	81
7	GOWTHAM.A	19MTL110	14	11	12	42	80
8	HARISH.P	19MTL111	13	12	12	39	76
9	JAGAN N	19MTR026	15	12	12	43	81
10	JAYAPRAKASH G	19MTR027	15	12	11	43	80
11	JIDHESH P	19MTR029	15	12	11	43	80
12	K.SELVAVIGNESH HARIHARAN	19MTL122	15	12	11	44	81
13	KARTHIKEYAN K	19MTR031	16	13	11	48	87
14	KAVINRAJ G R	19MTL113	14	11	12	42	80
15	KISHOR KUMAR B	19MTR038	17	14	13	48	92
16	LALU PRASANNA S B	19MTR043	14	12	12	42	80
17	MANOJ J	19MTR046	14	12	12	42	80
18	MEGAVARTHINI M	19MTR047	14	12	12	42	80
19	MITHELAASH YAADAV D	19MTR048	15	12	11	43	80
20	MOHAMED THOWFIQ N	19MTR050	15	12	12	43	81
21	MOHANRAJ G	19MTR053	14	12	11	39	75
22	NAVEED AHMED N	19MTL116	13	12	12	40	77
23	PADMA A	19MTR059	13	11	11	39	74
24	S.VIGNESHWAR	19MTL129	16	13	11	47	86
25	SACCHIN S	19MTR074	14	12	12	39	77
26	SAMITHA N	19MTR076	13	10	10	38	71
27	SIVASUBRAMANIAN.S	19MTL126	14	11	12	42	79
28	SNEHA A	19MTR083	15	12	11	43	80
29	SRINATH N	19MTR088	15	12	11	44	82
30	SUBA S P	19MTR090	13	10	11	39	73
31	SUDAHAR P S	19MTR092	15	12	11	43	80
32	SUDHARSON.M.S	19MTR093	14	12	12	39	77
33	SURYA B	19MTR095	15	12	11	43	80
34	VINOTHKANNA.S	19MTR105	15	12	11	43	80

Dr. Nithyavathy

Faculty Incharge

Dr. Nithyavathy

Dr. V.K.Gobinath

P. D. #
HOD/MTS 8/12/21

Two credit course on "LabVIEW Core 1 and Core 2 Programming" - 18VAC23
Sep 2021- Dec 2021 / 45 hours Industry expert / III Year - 5th Sem / 34 students

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2	AKSHAY KANNAN R	19MTR005	15	12	11	44	82
3	ASHWIN GUHAN N	19MTR009	15	12	12	44	82
4	DEVADHARSINI G	19MTR012	14	11	12	42	80
5	GOKUL RAJ R	19MTR016	16	13	12	48	89
6	GOKULRAAJ P	19MTR019	15	12	11	44	81
7	GOWTHAM.A	19MTL110	14	11	12	42	80
8	HARISH. P	19MTL111	13	12	12	39	76
9	JAGAN N	19MTR026	15	12	12	43	81
10	JAYAPRAKASH G	19MTR027	15	12	11	43	80
11	JIDHESH P	19MTR029	15	12	11	43	80
12	K.SELVAVIGNESH HARJHARAN	19MTL122	15	12	11	44	81
13	KARTHIKEYAN K	19MTR031	16	13	11	48	87
14	KAVINRAJ G R	19MTL113	14	11	12	42	80
15	KISHOR KUMAR B	19MTR038	17	14	13	48	92
16	LALU PRASANNA S B	19MTR043	14	12	12	42	80
17	MANOJ J	19MTR046	14	12	12	42	80
18	MEGAVARTHINI M	19MTR047	14	12	12	42	80
19	MITHELAASH YAADAV D	19MTR048	15	12	11	43	80
20	MOHAMED THOWFIQ N	19MTR050	15	12	12	43	81
21	MOHANRAJ G	19MTR053	14	12	11	39	75
22	NAVEED AHMED N	19MTL116	13	12	12	40	77
23	PADMA A	19MTR059	13	11	11	39	74
24	S.VIGNESHWAR	19MTL129	16	13	11	47	86
25	SACCHIN S	19MTR074	14	12	12	39	77
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29	SRINATH N	19MTR088	15	12	11	44	82
30	SUBA S P	19MTR090	13	10	11	39	73
31	SUDAHAR P S	19MTR092	15	12	11	43	80
32	SUDHARSON.M.S	19MTR093	14	12	12	39	77
33	SURYA B	19MTR095	15	12	11	43	80
34	VINOTHKANNA.S	19MTR105	15	12	11	43	80

Nithyavathy

Faculty Incharge

Dr.Nithyavathy

Dr. V.K.Gobinath

P.D.
f HOD/MTS 8/12/21

(Autonomous)

DEPARTMENT OF MECHATRONICS ENGINEERING

KEC – NI LabVIEW ACADEMY SCHOOL

TWO CREDIT COURSE ON LabVIEW CORE I AND CORE II PROGRAMMING

III Year - 5th Sem / 34 students

Attendance Details

S.No	Name	Roll number	No. of Sessions Conducted	No. of Hours Attended	Percentage (%)
1	GOWTHAM A	19MTL110	45	45	100
2	HARISH P	19MTL111	45	45	100
3	KAVINRAJ G R	19MTL113	45	45	100
4	K.SELVAVIGNESHHARIHARAN	19MTL122	45	45	100
5	SIVASUBRAMANIAN S	19MTL126	45	45	100
6	S.VIGNESHWAR	19MTL129	45	45	100
7	ABI CHANDAR K	19MTR001	45	45	100
8	AKSHAY KANNAN R	19MTR005	45	45	100
9	ASHWIN GUHAN N	19MTR009	45	45	100
10	DEVADHARSINI G	19MTR012	45	45	100
11	GOKUL RAJ R	19MTR016	45	45	100
12	GOKULRAAJ P	19MTR019	45	45	100
13	JAGAN N	19MTR026	45	45	100
14	JAYAPRAKASH G	19MTR027	45	45	100
15	JIDHESH P	19MTR029	45	45	100
16	KARTHIKEYAN K	19MTR031	45	45	100
17	KISHOR KUMAR B	19MTR038	45	45	100
18	LALU PRASANNA S B	19MTR043	45	45	100
19	MANOJ J	19MTR046	45	45	100
20	MEGAVARTHINI M	19MTR047	45	45	100
21	MITHELAASH YAADAV D	19MTR048	45	45	100
22	MOHAMED THOWFIQ N	19MTR050	45	45	100
23	MOHANRAJ G	19MTR053	45	45	100
24	PADMA A	19MTR059	45	45	100
25	NAVEED AHMED N	19MTL116	45	45	100
26	SACCHIN S	19MTR074	45	45	100
27	SAMITHA N	19MTR076	45	42	93.3
28	SNEHA A	19MTR083	45	45	100
29	SRINATH N	19MTR088	45	45	100
30	SUBA S P	19MTR090	45	45	100
31	SUDAHAR P S	19MTR092	45	45	100
32	SUDHARSON M S	19MTR093	45	45	100
33	SURYA B	19MTR095	45	45	100
34	VINOTHKANNA S	19MTR105	45	45	100

Course Coordinator
6/2/21

HOD(MTS)
8/2/21

LabVIEW Assessment Test Link: Kongu College for 3rd and 4th Year Students

Sachin ManiBala <balamanisaraice13@gmail.com>

Sun, Nov 14, 2021 at 3:13 PM

To: nithyavathy.mts@kongu.edu, Nithyavathy N <nithyavathy11@gmail.com>

Cc: Muralikrishnan Elumalai <emkkrishnan@gmail.com>

Hello Mam,

Kindly find the below google form test link, share this to students and tell them to take up the exam

Assessment Test 1: <https://forms.gle/FzScyPs2DD8tZhS88>Assessment Test 2: <https://forms.gle/PJyEdskp8nCXPxUQ8>

If any problem occurred kindly let me know mam

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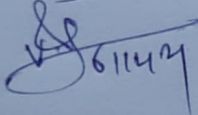
Balaji T R

Certified LabVIEW Trainer

OptiThought, Chennai

Contact: 8122531942, 8667558893

email: balamanisaraice13@gmail.com

Nithyavathy 6/12/21


Assessment Test 1-Kongu Engg College Sep Batch

gobinath.v.k@gmail.com Switch account

The name and photo associated with your Google account will be recorded when you upload files and submit this form. Only the email you enter is part of your response.

* Required

Email *

Your email

Name *

Your answer

Roll Number/Registration Number *

Your answer

College Name *

Your answer

Department and Section *

Your answer

Q3. The value in Control a is 2 and in Control b is 127. What value does the "Result" indicator display after the VI executes? *



- ☐ 127
- ☐ 254
- ☐ 255
- ☐ 256

Q4. What are the components of a VI? *

- ☐ Front Panel
- ☐ Block Diagram
- ☐ Icon and Connector Pane
- ☐ All of the above

Q5. Which of the following will represent "Collection of Same Datatype" in LabVIEW? *

- ☐ Clusters
- ☐ Functions
- ☐ Arrays
- ☐ None of the above

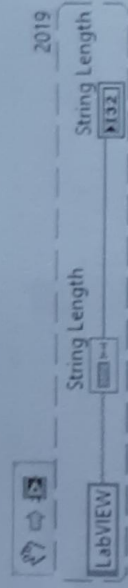
Q9. How the Data will flow in LabVIEW? *

- ☐ Top to Bottom
☐ Left to Right
☐ Right to Left
☐ None of these

Q10. Which Panel will you see data flow in LabVIEW? *

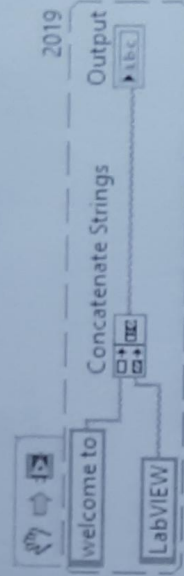
- ☐ Block Diagram
☐ Front Panel
☐ Both Front panel and Block Diagram
☐ None of these

Q12. What is the String Length of given String? *



- ☐ 5
☐ 6
☐ 7
☐ 8

Q13. What is the "Output" indicator after execution of VI? *



- ☐ welcome toLabVIEW
☐ welcometoLabVIEW
☐ welcome LabVIEW
☐ welcome

Year of Studying *

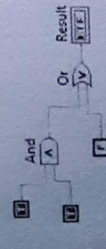
- ☐ 1st Year
- ☐ 2nd Year
- ☐ 3rd Year
- ☐ 4th Year

Q1. What is the purpose of CTRL+N? *

- ☐ To create New VI
- ☐ To activate LabVIEW
- ☐ To delete the Wire
- ☐ None of these

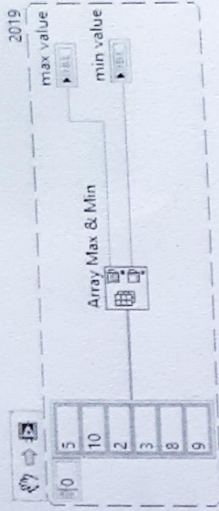
Q2. What is the "Result" indicator after execution of VI? *

What is the "Result" indicator after execution of VI?
T->TRUE
F->FALSE



- ☐ TRUE
- ☐ FALSE

Q6. What is Max Value and Min Value after execution of VI? *



- ☐ Max Value: 10 Min Value: 2
- ☐ Max Value: 9 Min Value: 3
- ☐ Max Value: 5 Min Value: 3
- ☐ Max Value: 9 Min Value: 2

Q7. What is the purpose of Block Diagram? *

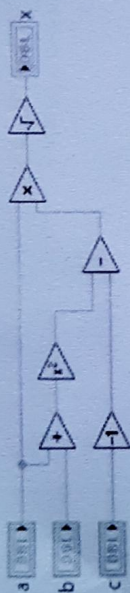
- ☐ User Interface
- ☐ To do Graphical Programming/code
- ☐ None of these

Q8. In FOR Loop, which is Required Terminal? *

- ☐ Loop Count(N)
- ☐ Loop Iteration(i)
- ☐ Both Loop Count(N) and Loop Iteration(i)
- ☐ None of the above

Q11. Which equation is equivalent to the code? *

1 point



A

$$x = \sqrt{a \times (a+b)^2 - (c-1)}$$

B

$$x = \sqrt{a \times (c-1) - (a+b)^2}$$

☐ A

☐ B

C

$$x = \sqrt{a \times ((a+b)^2 - (c-1))}$$

D

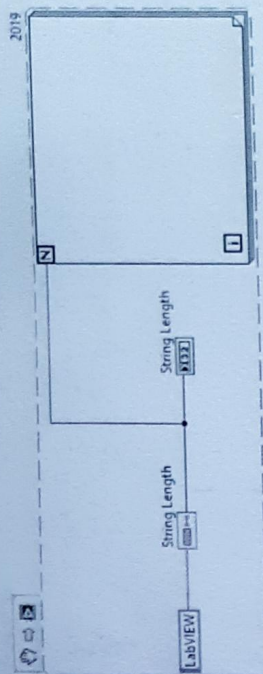
$$x = \sqrt{a^2 \times ((a+b)^2 - (c-1))}$$

☐ C

☐ D

Q14. How many that the FOR Loop will runs? *

1 point



☐ 7

☐ 5

☐ 6

☐ 4

Q15. What is the purpose of Cluster Datatype in LabVIEW? *

1 point

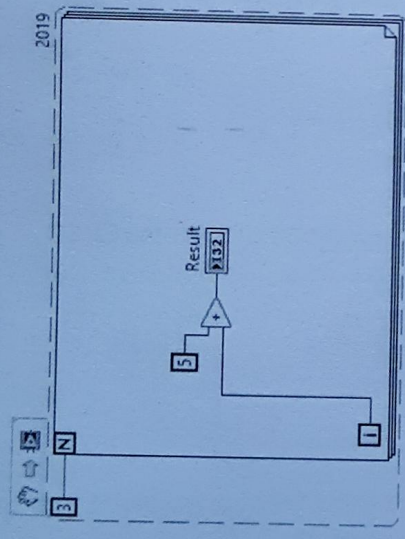
☐ Collection of Same Datatype

☐ Collection of Different Datatype

☐ None of these

Q16.What is the "Result" Value after execution of VI?

1 point



- ☐ 6
- ☐ 4
- ☐ 7
- ☐ 9

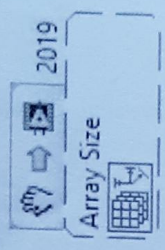
Q19.Which statement is TRUE about Unbundle by Name function?

1 point

- ☐ Replaces one or more cluster elements. This function refers to cluster elements by name instead of by their position in the cluster.
- ☐ Returns the cluster elements whose names you specify.
- ☐ Returns the name of the class of the object.
- ☐ A,B,C

Q20. What is the purpose of Array Size?

1 point



- ☐ Returns the number of elements in each dimension of array.
- ☐ Returns the maximum and minimum values found in array, along with the indexes for each value.
- ☐ Returns the element or subarray of n-dimension array at index.
- ☐ Use this constant to supply a constant array value to the block diagram.

Next

Clear form

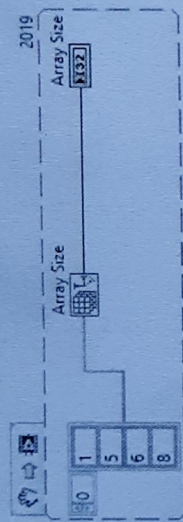
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Q17. What is the Array Size of the below input array? *

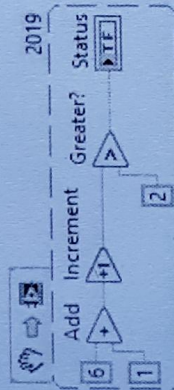
1 point



- ☐ 6
- ☐ 8
- ☐ 4
- ☐ 2

Q18. What is the "Status" indicator after execution of the VI? *

1 point



- ☐ TRUE
- ☐ FALSE

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The name and photo associated with your Google account will be recorded when you upload files and submit this form. Only the email you enter is part of your response.

* Required

Programming Skill Test

Upload/attach the Program File as VI or attach as Image with Front Panel and Block Diagram

Q1. Create a VI for Sum of First 5 Numbers. *

10 points

Upload/attach the Program File as VI or attach as Image with Front Panel and Block Diagram

Add file

Q2. Create a VI for i)Half Adder ii)Full Adder *

10 points

Upload/attach the Program File as VI or attach as Image with Front Panel and Block Diagram

Add file

Q3. Create a VI to find how many Vowel in a given String. *

10 points

Upload/attach the Program File as VI or attach as Image with Front Panel and Block Diagram

Add file

DO 6/12/21

A copy of your responses will be emailed to the address you provided.

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The name and photo associated with your Google account will be recorded when you upload files and submit this form. Only the email you enter is part of your response.

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Questions

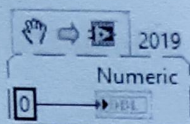
Q1. Which of the following statements is NOT Valid *

1 point

- ☐ You can make Array of Array
- ☐ You can make Array of Cluster
- ☒ You can make Cluster of Cluster
- ☐ You can make cluster of Array

Q2. What is Red dot Called? *

1 point



- ☒ Coercion Dot
- ☐ Data Truncation Dot
- ☐ BreakPoint
- ☐ Data Typecast Dot

Q6. In While Loop, which is Required Terminal? *

1 point

- ☒ Loop Condition
- ☐ Loop Iteration()
- ☐ Loop Condition and Loop Iteration()
- ☐ None of the above

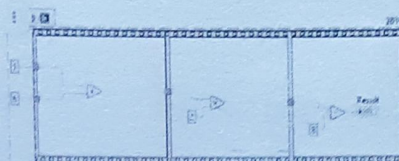
Q7. Can you able see to flow of data in Front Panel? *

1 point

- ☒ Yes
- ☐ No

Q8. What is the "Result" indicator after the execution of the VI? *

1 point



- ☒ 8
- ☐ 10
- ☐ 12
- ☐ 14

1 of 9

11/26/2021, 11:42 AM of 9

11/26/2021, 11:42 AM

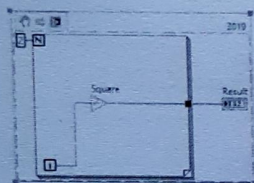
Assessment Test-2 Kongu Engg College Sep Batch

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https://docs.google.com/forms/d/e/1FAIpQLSeuTHWfHwFqBGRp3o...

Q11. What is the "Result" indicator after execution of the VI? *

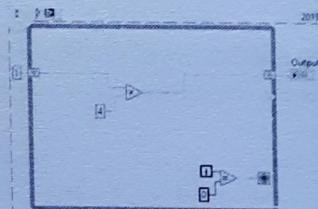
1 point



- ☐ 0
- ☐ 1
- ☐ 3
- ☒ 2

Q15. What is the "Output" indicator after execution of the VI? *

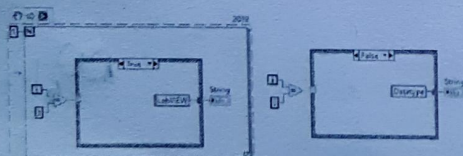
1 point



- ☐ 0
- ☐ 4
- ☐ 16
- ☒ 8

Q12. What is the String Output after execution of the VI? Both True case and False Case shown below *

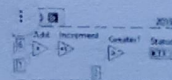
1 point



- ☐ Datatype
- ☒ LabVIEW

Q16. What is the "Status" indicator after execution of the VI? *

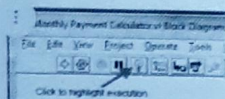
1 point



- ☒ TRUE
- ☐ False

Q19. What is the use of Highlight Execution?

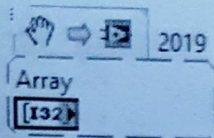
1 point



- ☐ To see the Data flow in Block Diagram
- ☐ To Stop the VI
- ☒ To Create a New VI

Q20. What is the below icon datatype?

1 point



- ☐ Numeric Array
- ☐ Boolean Array
- ☐ String
- ☒ Cluster

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Department *

Your answer

Registration Number/Roll No *

Your answer

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Year *

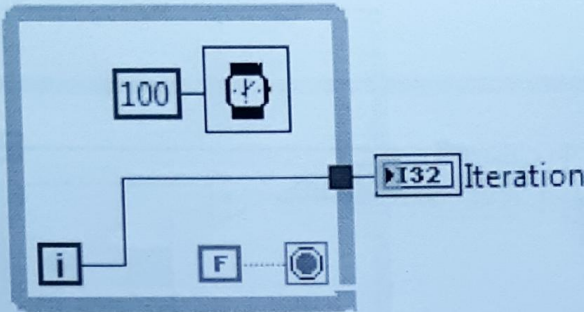
- ☐ 2nd Year
- ☐ 3rd Year
- ☐ 4th Year

Q1. You must generate code that responds to multiple value change events using a Boolean control while maintaining a latching mechanical action. Which programming step is NOT required? *

- ☐ Including or reading the Boolean control terminal in a loop
- ☐ Including the Event Structure within a loop
- ☐ Configuring a Timeout case within the Event Structure
- ☐ Configuring a Value Change event case for the Boolean control

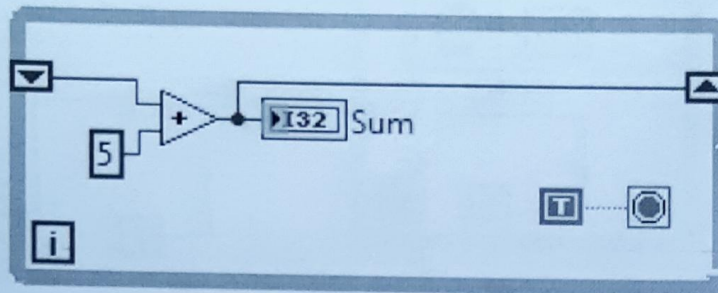
Q2.Which of the following statements is TRUE about the following code segment? *

1 point



- ☐ The loop will execute once and the indicator Iteration will have a value of one
- ☐ The loop will execute once and the indicator Iteration will have a value of zero
- ☐ The loop will execute continuously and the program will have to be aborted
- ☐ The loop will not execute and the indicator Iteration will have a value of zero

Q3.The following SubVI is loaded into memory and then run. At some later time it is still in memory and is run a second time.What is the value is displayed in the Sum indicator when the SubVI completes execution the second time it is run? *



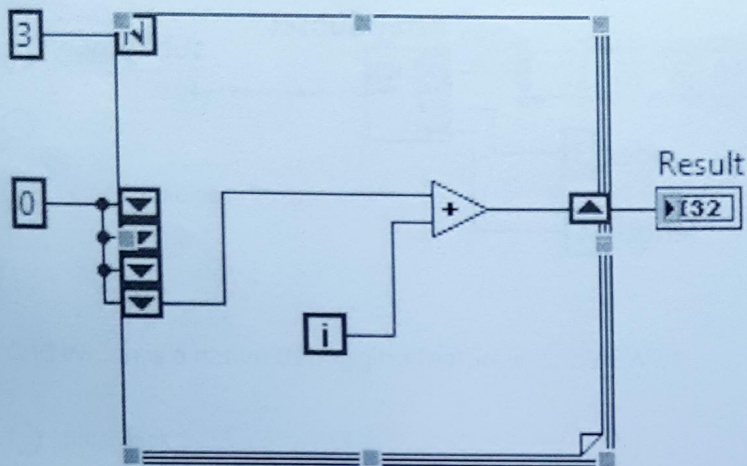
- ☐ 5
- ☐ 10
- ☐ There is No Way Know
- ☐ 0

Q4.Unlike graphs, which display an entire waveform that _____ the data already displayed, charts update periodically and _____ the data previously displayed. *

- ☐ Maintains a history of; overwrite
- ☐ Overwrites; maintain a history of
- ☐ Appends to; overwrite
- ☐ None of the above

Q5.What value is displayed in the Result indicator after the VI completes execution? *

1 point



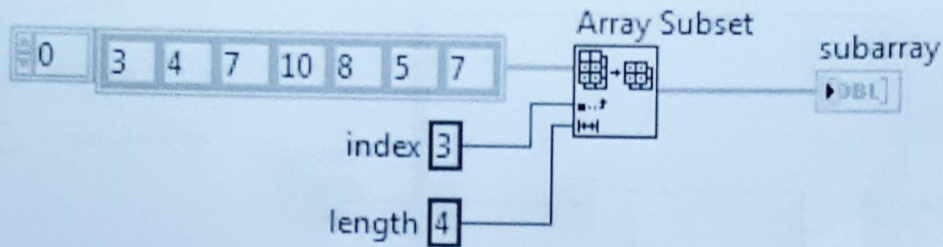
- ☐ 3
- ☐ 2
- ☐ 1
- ☐ 0

Q6.Which timing function can result in logic errors when it rolls over to zero? *

1 point

- ☐ Wait Until Next ms Multiple
- ☐ Tick Count(ms)
- ☐ Wait(ms)
- ☐ Format Date/Time String

Q7. What value will be displayed in the subarray indicator after the following code has executed? *



- ☐ 1D Array[10 8 5 7]
- ☐ 1D Array[3 4 7 10]
- ☐ 1D Array[7 10 8 5]
- ☐ 1D Array[7 5 8 10]

Q8. Which of the following statements is NOT valid? *

1 point

- ☐ You can make a Cluster of Clusters
- ☐ You can make an Array of Arrays
- ☐ You can make a Cluster of Arrays
- ☐ You can make an Array of Clusters

Q9.Which of the following cannot be used to transfer data between two parallel loops? * 1 point

- ☐ Wires
- ☐ Queues
- ☐ Notifiers
- ☐ Local variables

Q10.Which is a native debugging feature in LabVIEW? * 1 point

- ☐ Step Back
- ☐ Step Over
- ☐ Step Around
- ☐ Step Above

Q11.Which data type is not accepted by the case selector terminal on a case structure? * 1 point

- ☐ Arrays
- ☐ Enum
- ☐ Integer
- ☐ String

Q12.Which statement about sequence structures is FALSE? *

1 point

- ☐ Sequence structures support parallel operations within frames.
- ☐ Terminating the execution of a sequence structure before the entire sequence is completed is not possible without aborting
- ☐ Sequence structures execute frames in a sequential order.
- ☐ Sequence structures stop when an error is detected.

Q13.When clicking a broken run arrow, the Error list window shows all of the following EXCEPT: *

1 point

- ☐ Items with errors
- ☐ Errors and warnings
- ☐ Details about the warnings
- ☐ Error Codes

Q14.How do you document a VI so that the description appears in the Show Context Help popup window? *

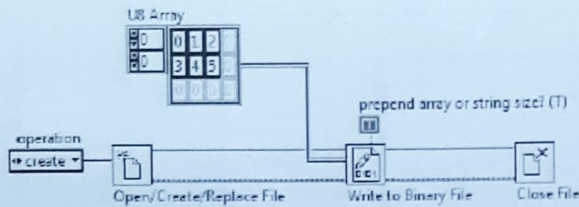
1 point

- ☐ Use the VI Properties Documentation window
- ☐ Type in the Show Context Help window
- ☐ Create a free label on the front panel
- ☐ Edit the LabVIEW help files



Q15. How many bytes does LabVIEW write to the file when the code executes? *

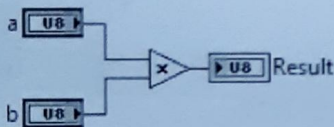
1 point



- ☐ 5
- ☐ 6
- ☐ 12
- ☐ 14

Q16. The value in Control a is 2 and in Control b is 128. What value does the Result indicator display after the VI executes? *

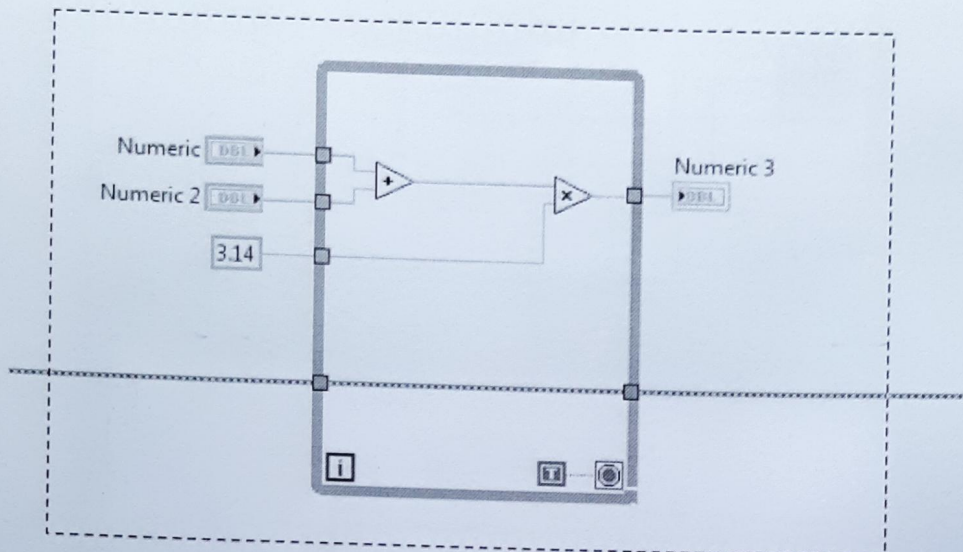
1 point



- ☐ -128
- ☐ 0
- ☐ 255
- ☐ 256

Q17. A SubVI is created by selecting the code from a block diagram. How many terminals will the SubVI have? *

1 point



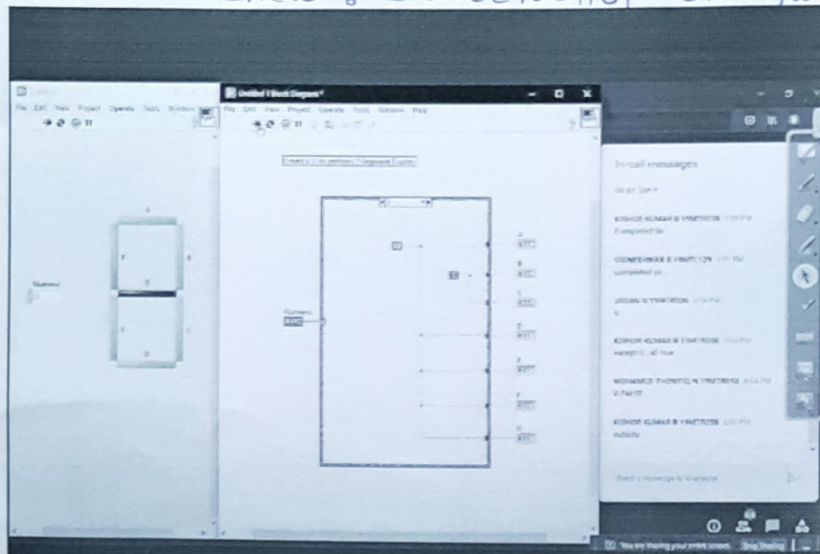
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ 6

Q18. What do coercion dots indicate? *

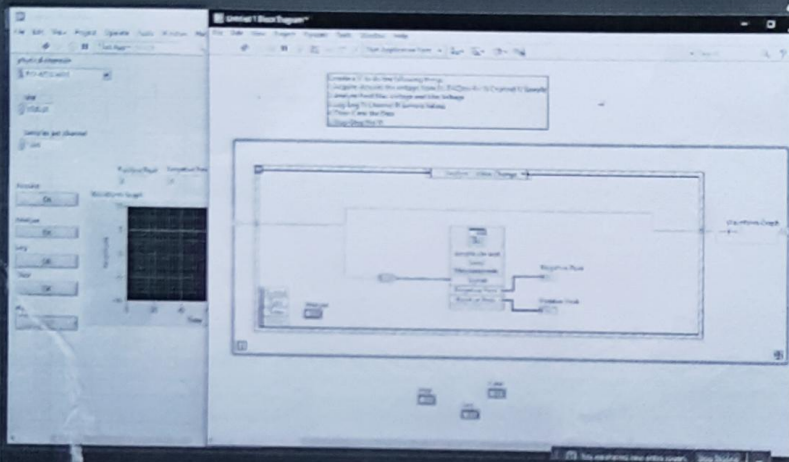
1 point

- ☐ Incompatible data types
- ☐ A mathematical operation will be performed on the data
- ☐ The input data will be copied and converted to a different data type
- ☐ The location where an error will occur

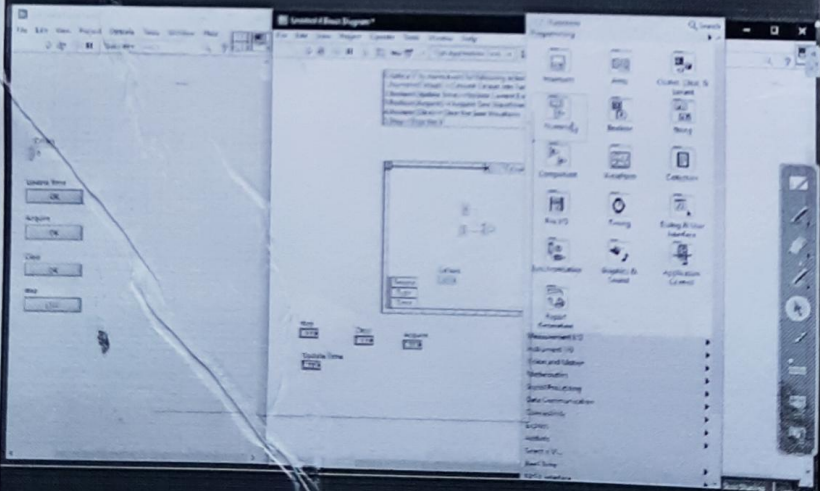
LARVIEW : SCREENSHOT OF TWO CREDIT COURSE



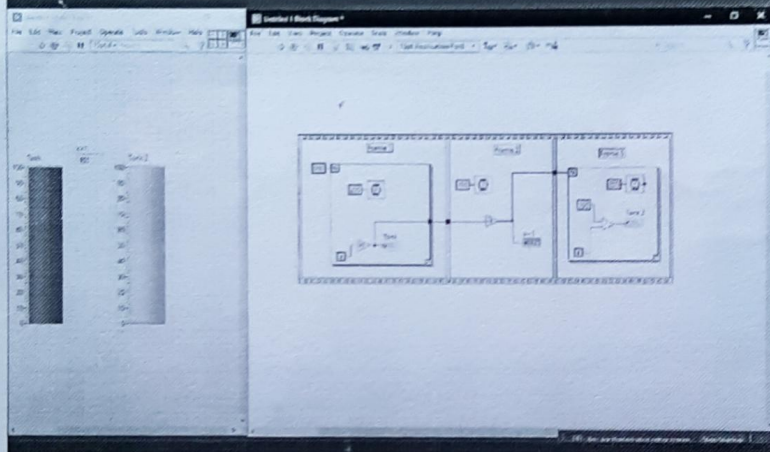
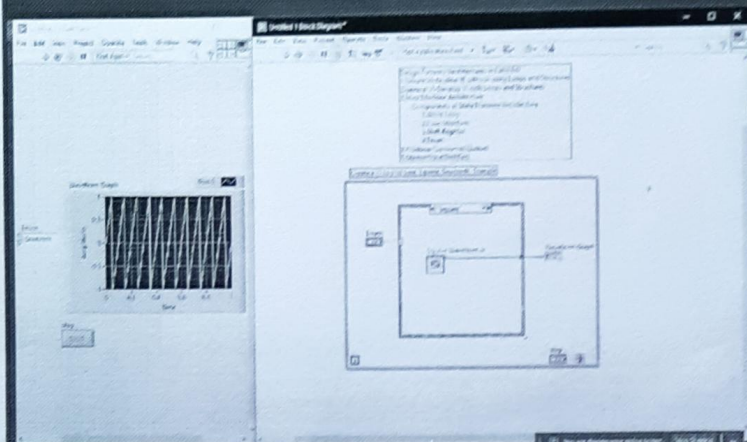
Sachin ManiBala



Sachin ManiBala



Sachin ManiBala



09/12/21

Above
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KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060

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01.04.2021

PROGRAMME APPROVAL FORM

Proposal Tracking No. KEC/SBms/MTS/20212022/09/0043

Dept. Ref. No.: MT/2021-2022/012

Date: 25-9-21

1.	Department:	Mechatronics Engineering		
2.	a). Name of the Programme	Two credit course on 8vAc23 Labview core1 and core 2 programming (Batch-II)		
	b). Norms under which it is proposed	one credit course		
3.	Dates:	From : 27.9.21	TO: 30.12.21	No. of Days 45
4.	Programme for:	Faculty	Students	Others (Specify)
		—	✓	—
5.	Level:	State / National / International	Association	Institution / Dept. / Cell / General
				✓
6.	Highlights of the Programme:	The course provides an intuitive knowledge on Labview environment & programming concepts.		

1. Proposed Invitees:

S. No.	Purpose	Chief Guest	Speakers / Jury	Trust Member Invitees
1	K. Prakash, senior consultant		OPT thoughts Chennai	
2				

2. Agenda: Programme Agenda / Schedule Enclosed : Yes / No

3. Expenditure:

S.No.	Purpose	Proposed	Revised	Actual	Remarks
1	Course Handling	41300			35 students
2	Industrial charge				⊗ Re 1180/-
3					Third year
4					students
5					online course.
6					
Total		41300			

4. Source 1 Student = Re 1180

	Proposed	Actual
Budget Allotment		
Balance Amt. Available	KEC -	
Expenses Proposed	Registration -	
Balance	Rs 41300/-	With faculty

Dr. Ananthya

Faculties i/c (with Name)

(Dr. Ananthya)

H.O.D

CCO (A)

PRINCIPAL

CORRESPONDENT

FOR OFFICE USE – PAYMENT DETAILS

Office Ref. No. : PR- 25n/10.21

Advance

Name of the programme	Amount Rs. P	Voucher No. & Date	Remarks

ACCOUNTANT

Supdt.

REGISTRAR

CORRESPONDENT

Advance

Name of the programme	Amount Rs. P	Voucher No. & Date	Remarks

ACCOUNTANT

Supdt.

REGISTRAR

CORRESPONDENT

One time payment

Name of the programme	Amount Rs. P	Voucher No. & Date	Remarks

ACCOUNTANT

Supdt.

REGISTRAR

CORRESPONDENT

Non Formal Course Details

Name of the Course	
Course Duration	From..... To..... Total No. of Days Hours
Course Fee	Rs.
Total Course Fee Collected	Rs.
Course Expenses	Rs.
Balance amount to KEC / Others	Rs.

ACCOUNTANT

Supdt.

REGISTRAR

CORRESPONDENT



KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE – 638 060
SCHOOL OF BUILDING & MECHANICAL SCIENCES
DEPARTMENT OF MECHATRONICS ENGINEERING
KEC – NI LABVIEW ACADEMY SCHOOL



LabVIEW

Date: 15.8.2021

CIRCULAR

The Department of Mechatronics Engineering and KEC-NI LabVIEW academy have jointly planned to organize a Two credit course on “LabVIEW Core 1 and Core 2 Programming” through virtual mode for the benefit of Third year and Final year students. Interested students are requested enroll their names and to pay fees to Mr.S.ArunKumar AP SrG /MTS on or before 10 Sep 2021.

Course Details:

BATCH 1(Final Years)

Name of the Course: “LabVIEW Core 1 and Core 2 Programming”

Dates: 27.09.2021 - 30.12.2021 and Time: 5:30 PM to 7:30 PM

Venue: Virtual Mode through Computer Center, Mechatronics Block and Course Fee: Rs.1180/-

Faculty coordinators: Dr.N.Nithyavathy and Mr.S.Arun Kumar

Industry Coordinator: Mr.E.MuraliKrishnan, Proprietor, Opti Thoughts, Chennai

Mr.T.R.Balaji, Opti Thought, Chennai

BATCH 2(Third Years)

Name of the Course: “LabVIEW Core 1 and Core 2 Programming”

Dates: 27.09.2021 - 30.12.2021 and Time: 5:30 PM to 7:30 PM

Venue: Virtual Mode through Computer Center, Mechatronics Block and Course Fee: Rs.1180/-

Faculty coordinators: Dr.N.Nithyavathy and Dr.V.K.Gobinath

Industry Coordinator: Mr.E.MuraliKrishnan, Proprietor, Opti Thoughts, Chennai

Mr.K.Prakash, Opti Thought, Chennai

N.Nithyavathy
Co-ordinator
(Dr. N. Nithyavathy) 15.8.21

Shree
15/8/2021
HOD-MTS

KONGU ENGINEERING COLLEGE
PERUNDURAI , ERODE-638060

DEPARTMENT OF MECHATRONICS ENGINEERING

Program Schedule Date: 29.07.2021

Two Credit Course LabVIEW: Core 1 and Core 2 Programming

Session 1	Downloading and Installation of LabVIEW
Session 2	Introduction to LabVIEW Environment
Session 3	Data Types: Numeric/Boolean
Session 4	Mechanical Action
Session 5	Debugging Tools
Session 6	Repetitions of Tasks for finite times
Session 7	Repetitions of same Tasks for infinite times
Session 8	Data storage
Session 9	Conditional structures
Session 10	Conditional structures
Session 11	Data Acquisition
Session 12	Data Acquisition
Session 13	Creating Simulated acquisition
Session 14	Acquiring Values from Simulated acquisition
Session 15	Decision Making Programming using Simulated DAQ
Session 16	Decision Making Programming using Simulated DAQ
Session 17	Usage of Icon
Session 18	Connector Pane
Session 19	Dialog and user Interface

Session 20	Data Logger
Session 21	Data Logging in LabVIEW
Session 22	Event Driven Programming Structure
Session 23	Architectures in LabVIEW
Session 24	State Machine Architecture
Session 25	Queue
Session 26	Notifiers
Session 27	4-way Traffic Light control
Session 28	Date & Time Parsing
Session 29	Weather Monitoring
Session 30	Stop Watch
Session 31	Timer Programming
Session 32	Event Tabbing
Session 33	Calculator
Session 34	Highlighting Word
Session 35	Multi colored string
Session 36	State machines operations
Session 37	Programming State machines
Session 38	Data Acquisition modules
Session 39	Real-time problem analysis
Session 40 - 45	Real-time problem analysis and programming, Assessment, Tutorial

Withyasa
15/8/21

Shub
15/8/2021

Two credit course on "LabVIEW Core 1 and Core 2 Programming"
Third Year Students - Batch 2 (27 Sep 2021)

S. No	NAME	ROLL NUMBER	E MAIL ID	SECTION	MOBILE
1	GOWTHAM.A	19MTL110	gowthama.19mts@kongu.edu	A	8825596502
2	HARISH. P	19MTL111	harishp.19mts@kongu.edu	A	8428934566
3	KAVINRAJ G R	19MTL113	kavinrajr.19mts@kongu.edu	A	6383569341
4	K.SELVAVIGNESH HARIHARAN	19MTL122	selvavigneshhariharank.19mts@kongu.edu	B	6380082151
5	SIVASUBRAMANIAN.S	19MTL126	sivasubramanians.19mts@kongu.edu	B	9500787363
6	S.VIGNESHWAR	19MTL129	vigneshwars.19mts@kongu.edu	B	9360522929
7	ABI CHANDAR K	19MTR001	abichandark.19mts@kongu.edu	A	9042440557
8	AKASH S	19MTR003	akashs.19mts@kongu.edu	A	9360595484
9	AKSHAY KANNAN R	19MTR005	akshaykannanr.19mts@kongu.edu	A	6383859093
10	ASHWIN GUHAN N	19MTR009	ashwinguhann.19mts@kongu.edu	A	6369604835
11	DEVADHARSINI G	19MTR012	devadharsinig.19mts@kongu.edu	A	9600555250
12	GOKUL RAJ R	19MTR016	gokulrajr.19mts@kongu.edu	A	7200118770
13	GOKULRAAJ P	19MTR019	gokulraajp.19mts@kongu.edu	A	8870806277
14	JAGAN N	19MTR026	jagann.19mts@kongu.edu	A	9442176229
15	JAYAPRAKASH G	19MTR027	jayaprakashg.19mts@kongu.edu	A	9360167404
16	JIDHESH P	19MTR029	jidheshp.19mts@kongu.edu	A	9025383034
17	KARTHIKEYAN K	19MTR031	karthikeyank.19mts@kongu.edu	A	9486563658
18	KISHOR KUMAR B	19MTR038	kishorkumarb.19mts@kongu.edu	A	9524027262
19	LALU PRASANNA S B	19MTR043	laluprasannasb.19mts@kongu.edu	A	9385847314
20	MANOJ J	19MTR046	manojj.19mts@kongu.edu	A	9025236952
21	MEGAVARTHINI M	19MTR047	megavarthinim.19mts@kongu.edu	A	8940119881
22	MITHELAASH YAADAV D	19MTR048	mithelaashyaadavd.19mts@kongu.edu	A	6382201580
23	MOHAMED THOWFIQ N	19MTR050	mohamedthowfiqn.19mts@kongu.edu	A	6385419594
24	MOHANRAJ G	19MTR053	mohanrajg.19mts@kongu.edu	A	8608425769
25	PADMA A	19MTR059	padmaa.19mts@kongum.edu	B	7397138412
26	NAVEED AHMED N	19MTL116	naveedahmedn.19mts@kongu.edu	A	6383938895
27	SACCHIN S	19MTR074	sacchins.19mts@kongu.edu	B	9994547688
28	SAMITHA N	19MTR076	samithan.19mts@kongu.edu	B	9489109440
29	SNEHA A	19MTR083	snehaa.19mts@kongu.edu	B	9025142734
30	SRINATH N	19MTR088	srinathn.19mts@kongu.edu	B	9698919043
31	SUBA S P	19MTR090	subasp.19mts@kongu.edu	B	7339063697
32	SUDAHAR P S	19MTR092	sudaharps.19mts@kongu.edu	B	9361446171
33	SUDHARSON.M.S	19MTR093	sudharsonms.19mts@kongu.edu	B	9952896906
34	SURYA B	19MTR095	suryab.19mts@kongu.edu	B	8098288995
35	VINOTHKANNA.S	19MTR105	vinothkannas.19mts@kongu.edu	B	9442300705

Withygraffy arlg

25/9/2021

one student could not pay fees
hence did not join the course

10/11/21

 Estd - 1984	KONGU ENGINEERING COLLEGE (Autonomous) PERUNDURAI - 638060 INTERNAL QUALITY ASSURANCE CELL		 CERT No.: 99-100-20788 ISO 9001 : 2015
	Approval for Value Added Course (One / Two Credits)		

Academic Year: 2021-2022 ODD/EVEN Semester

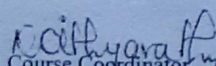
DEPARTMENT OF MECHATRONICS ENGINEERING

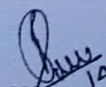
Date: 14.09.2021

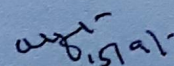
1.	Academic Year	: 2021 - 2022		Semester : ODD / EVEN			
2.	Course Title	: LabVIEW: Core 1 and Core 2 Programming					
3.	Type of Course	: Already Offered Course / Updated Course / New Course					
	• If "Already offered course",	: Course Code: 18VAC23		Version: R2018			
4.	Course Coordinator(s)	: 1. Dr. N. Nithyavathy, Associate Professor/MTS 2. Mr. S. Arunkumar, Assistant Professor (SRG)/MTS					
5.	Course offered by	: Internal faculty / External expert					
6.	Name and designation of external resource persons	: Mr. Balaji T R Certified LabVIEW Trainer Technical Consultant, 32/78 Easwardoss street, Triplicane, Chennai, Tamil Nadu-600005. Email: balamanisaraice13@gmail.com Contact: 8122531942, 8667558893					
7.	Details about external organization	: E.Muralikrishnan Optithought Solutions, Chennai (Sister Concern of NI Systems, Bangalore) Email: emkkrishnan@gmail.com, Contact number: 9884377269 NI Systems, Bangalore is a Global Leader in Test, Measurement, and Control Solutions.					
8.	Course fee for external experts		Max. number of students per Batch		Course fee / student		
	Batch - I	35,400	30		Rs. 1180 ✓		
	Batch - II	35,400	30		Rs. 1180		
9.	No. of days	Period		No. of hours			Venue
		From	To	Lecture	Practical	Total	
	45	20.09.2021	30.11.2021	15	30	45 hrs	Online : Google Meet
	45	20.11.2021	10.02.2022	15	30	45 hrs	Online : Google Meet ✓
10.	Pre-requisites for offering the course	: Basic Knowledge on Problem Solving and Programming Skill					
11.	Course offered to	Programme		Branch		Year/Semester	Regulations
		B.E.		Mechatronics		III / V	R2018

12.	Course Main Contents	Session 1	Downloading and Installation of LabVIEW	
		Session 2	Introduction to LabVIEW Environment	
		Session 3	Data Types: Numeric/Boolean	
		Session 4	Mechanical Action	
		Session 5	Debugging Tools	
		Session 6	Repetitions of Tasks for finite times	
		Session 7	Repetitions of same Tasks for infinite times	
		Session 8	Data storage	
		Session 9	Conditional structures	
		Session 10	Data Acquisition	
		Session 11	Creating Simulated acquisition	
		Session 12	Acquiring Values from Simulated acquisition	
		Session 13	Decision Making Programming using Simulated DAQ	
		Session 14	Usage of Icon and Connector Pane	
		Session 15	Dialog and user Interface	
		Session 16	Data Logging in LabVIEW	
		Session 17	Event Driven Programming Structure	
		Session 18	Architectures in LabVIEW	
		Session 19	State Machine Architecture	
		Session 20	Queue and Notifiers	
		Session 21- 45	Programming concepts (Lab Session)	
		Assignment		
		• Programming State machines • Data Acquisition modules • Real world problem analysis and programming		
13.	Course Outcomes	After completing the course the student will be able to: CO1: Interpret the simple engineering problems using graphical approach. CO2: Build programming blocks through logical thinking and programming skills. CO3: Experiment with modular hardware and compatible software CO4: Solve real time and application problems using customized graphical system design platform.		
14.	Course Assessment (Min. 2)	S. No.	Type	Max. Marks
		Theory		
		1.	Assignment (During session)	20
		2.	Assessment test	30
		Practical		
		3.	Laboratory Experiment	30
		4.	Practical Examination (Programming)	20
		Total		100
15.	Any other details	Nil		

The above proposal may kindly be approved.


 Course Coordinator
 Dr. N. Nithyavathy/ Mr. S. Arunkumar


 HOD/MTS


 CCO/Academic

L	T	P	Credit
1	0	2	2

Preamble This course provides an intuitive understanding on fundamentals of Virtual Instrumentation, which will help the learners to influence their knowledge in LabVIEW programming. It has been designed for scholars who might effectively use this for their development, project or research purpose.

Unit-I LabVIEW: Core 1 and Core 2 Basics: 15

Downloading and Installation of LabVIEW - Introduction to LabVIEW Environment - Data Types: Numeric/Boolean - Mechanical Action - Debugging Tools - Repetitions of Tasks for finite times - Repetitions of same Tasks for infinite times - Data storage - Conditional structures - Data Acquisition - Creating Simulated acquisition - Acquiring Values from Simulated acquisition - Decision Making Programming using Simulated acquisition - Usage of Icon and Connector Pane - Dialog and user Interface - Data Logging in LabVIEW - Event Driven Programming Structure - Architectures in LabVIEW - State Machine Architecture - Queue and Notifier - Programming concepts

List of Exercises / Experiments: 30

1. Date & Time Parsing
2. 4-way Traffic Light control
3. Weather Monitoring
4. Stop Watch
5. Timer Programming
6. Data Logging
7. Calculator
8. Event Tabbing
9. Highlighting Word
10. Multi colored string

Lecture:15, Practical:30, Total:45

REFERENCES:

1. Jovitha Jerome, Virtual Instrumentation using LabVIEW, PHI learning, 2013.
2. Jeffery Travis and Jim kring, "LabVIEW for Everyone: Graphical programming made easy and Fun", 3rd Edition, Pearson Education, India, 2009.
3. Rick Bitter, "LabVIEW Advanced Programming Techniques", 2nd Edition, Taylor & Francis Group, 2006.

COURSE OUTCOMES:

On completion of the course, the students will be able to

CO1 interpret the simple engineering problems using graphical approach

CO2 build programming blocks through logical thinking and programming skills

CO3 experiment with modular hardware and compatible software

CO4 solve real time and application problems using customized graphical system design platform

**BT Mapped
(Highest Level)**

Understanding (K2)
&
Manipulation (S2)

Applying (K3) &
Manipulation (S2)

Applying (K3) &
Manipulation (S2)

Analyzing (K4) &
Manipulation (S2)

Mapping of COs with POs and PSOs

COs/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	2	3				3	2		2	3	3
CO2	3	3	3	2	3				3	2		2	3	3
CO3	3	3	3	2	3				3	2		2	3	3
CO4	3	3	3	2	3				3	2		2	3	3

1 – Slight, 2 – Moderate, 3 – Substantial, BT- Bloom's Taxonomy

ASSESSMENT PATTERN

Test / Bloom's Category*	Remembering (K1) %	Understanding (K2) %	Applying (K3) %	Analyzing (K4) %	Evaluating (K5) %	Creating (K6) %	Total %
Assignment – 20 Marks		50	50				100
Assessment Test – 30 Marks		40	60				100
Laboratory Experiment (Programming) – 30 Marks		30	70				100
Practical Assessment (Overall Programming Part) – 20 Marks		20	80				100

As per approval norms

Dr. N. M. Thyagaraj
(Dr. N. M. Thyagaraj)

Dr. N. M. Thyagaraj
19/9/2021



KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE - 638 060

(AUTONOMOUS)

BOARD OF MECHATRONICS ENGINEERING

Approval for Value Added Course (One / Two Credits) - (Consolidated)



Est'd : 1984

Date: 28.09.2021

List of Value Added Course (One / Two credit) in the academic Year 2021-2022 Odd/Even Semester

Sl. No	Regulations	Course Name	Course code (for Repeated Course) / New Course	Name of the Co-ordinators (Max:2)	Experts details from Industry (If any)	Whether Expert(s) Is/are Alumni/ Alumnae (yes/no)	Lecture Hours	Practical Hours	Total Hours	Specify Fee/Per Batch / Fee Per Student	Fee /Batch or Fee/Sem/ Fee/Sem/ Fee/Sem/	Course Duration		Offered to (Year/Sem/ Branch of the student)
												From	To	
1	R2020	Design of Printed Circuit Board	New Course	Dr. K. Gomathi Dr. S. Sathyaavathi	Enitha Technologies, Coimbatore	No	10	20	30	750/Student 750/Student	37,500/Batch 37,500/Batch	6.9.2021	27.9.2021 25.9.2021 16.10.2021	II/III/MTS
2	R2020	Analog & Digital Circuits Simulations Using OrCAD Peptic	New Course	Dr. K. Gomathi Dr. S. Sathyaavathi	NA	No	10	20	30	0/Batch 0/Batch	0/Batch 0/Batch	11.09.2021-18.09.2021 09.10.2021-16.10.2021	12.09.2021-19.09.2021 10.10.2021-17.10.2021	II/III/MTS
3	R2018	Robust Motion Control of Mobile Manipulators	New Course	Dr. T. T. Tamilarasi Mr. A. Balaji	M/s. Efficia Automation Limited, Coimbatore	No	30	15	45	750/Students 1180/Student	22,500/Batch 35,400/Batch	6.10.2021	06.11.2021 30.11.2021 10.02.2021	IV/V/MTS
4	R2018	LabVIEW: Core 1 and Core 2 Programming	18VAC23	Dr. N. Nithyaavathi Mr. S. Arun Kumar	M/s. Opithought Solutions, Chennai	No	15	30	45	1180/Student	35,400/Batch	20.9.2021 20.11.2021		III/IV/MTS

All courses shall be approved/ratified in the BOS meeting.

Faculty in-charge

28/09/2021

28/09/2021

CCO/Academic

Principal

End.:

1. Minutes of Internal BOS for approval of the above courses
2. Details of each course mentioned above as per the given format.
3. Copy of the Syllabus of the courses