# Indra Ganesan
## COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NAAC with 'B+' Grade, 2(f) & 12B Status Institution by UGC
IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620012

# NAAC DOCUMENTS

## QUALITY INDICATOR FRAME WORK

## CRITERION – 1

# CURRICULAR ASPECTS

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

INDRA GANESAN COLLEGE OF ENGINEERING

Indra Ganesan
COLLEGE OF ENGINEERING
Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

**DEPARTMENT OF SCIENCE AND HUMANITIES**

**ACADEMIC YEAR 2022-2023 / ODD SEMESTER**

## 1.2 Academic Flexibility (30)

**1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)**

**AND**

**1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years**

| | | | | | |
|---|---|---|---|---|---|
| **VAC Title:** | **COURSE ON MATLAB** | | | | |
| **Resource Person:** | **Mr.K. Vivek**<br>**Managing Director,**<br>**Azatech Pvt Ltd, Chennai.** | | **Mr.Sundar**<br>**Team Leader,**<br>**Azatech Pvt Ltd, Chennai.** | | |
| **Date of conduct from:** | **12.12.2022** | **To:** | **12.12.2022** | **Duration:** | **30 Hours** |
| **Organized Department:** | **SCIENCE AND HUMANITIES** | | | | |
| **Participant Year:** | **I Year** | **Semester:** | **ODD** | **No. of Students Registered:** | **158** |
| **Venue:** | **AUDITORIUM** | | | | |

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# Department of Science and Humanities

## Academic Year 2022-2023 –Odd Semester

08.12.2022

**DEPARTMENT CIRCULAR**

Department of **Science and Humanities** and IQAC of IGCE in association with **Azatech Pvt Ltd** going to organize Value Added Course for all first year students on **"Course on Matlab"** from 12.12.2022 to 16.12.2022. Certificates will be issued to the eligible participants at the end of the Course. This training is to be provided in our campus.

| | |
|---|---|
| Resource Person Detail | 1. **Mr.K.Vivek**<br>**Managing Director,**<br>**Azatech Pvt Ltd, Chennai**<br><br>2. **Mr.N.Sundar**<br>**Team Leader,**<br>**Azatech Pvt Ltd, Chennai** |
| Venue | Auditorium, IGCE |

**HOD/S&H**

**PRINCIPAL**

**Cc:**

- Principal office
- IQAC Co-Ordinator
- HoD/ S&H
- Class In charges - I-Year
- I-Year S&H Students
- Office File
- Notice Board

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# Value Added Course

**"Course on Matlab"**

## SYLLABUS

| S.NO | TOPIC COVERED | DURATION (in hours) | DATE |
|---|---|---|---|
| 1 | Introduction to MATLAB | 3 | 12.12.2022 |
| 2 | Creating Variables | 3 | 12.12.2022 |
| 3 | MATLAB Functions | 3 | 13.12.2022 |
| 4 | Introduction to Arrays | 3 | 13.12.2022 |
| 5 | Array Functions | 3 | 14.12.2022 |
| 6 | Graphics with MATLAB | 3 | 14.12.2022 |
| 7 | Input and Output Statements | 3 | 15.12.2022 |
| 8 | Conditional Statements | 3 | 15.12.2022 |
| 9 | Programming with MATLAB | 3 | 16.12.2022 |
| 10 | Mathematical Computing with MATLAB | 3 | 16.12.2022 |
| 11 | Exam | 1 | 16.12.2022 |
| | **Total Hours (Excluding exam)** | 30 | - |

T. Kalaivani

**VAC Coordinator**

G. Boobala

**HoD/S&H**

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# Value added course

## STUDENTS PARTICIPATION LIST

## "Course on Matlab"

| S.NO | REGISTER NUMBER | NAME | YEAR/ BRANCH |
|---|---|---|---|
| 1 | 811222104001 | ARJUN RAJAN E | I/ CSE |
| 2 | 811222104002 | BALAMURUGAN M | I/ CSE |
| 3 | 811222104003 | BANUSREE K | I/ CSE |
| 4 | 811222104004 | BHARANITHARAN D | I/ CSE |
| 5 | 811222104005 | DEEBA ANJALIN J | I/ CSE |
| 6 | 811222104006 | DEVIBALAN S | I/ CSE |
| 7 | 811222104007 | DHARUN U | I/ CSE |
| 8 | 811222104008 | DINESH BABU J | I/ CSE |
| 9 | 811222104009 | DIVYASREE G | I/ CSE |
| 10 | 811222104010 | FAIZAL AHAMED J | I/ CSE |
| 11 | 811222104011 | FAZLUDEEN M | I/ CSE |
| 12 | 811222104012 | GAYATHRI R | I/ CSE |
| 13 | 811222104013 | GOKULAN S | I/ CSE |
| 14 | 811222104014 | GOWSALYA S | I/ CSE |
| 15 | 811222104015 | GURUPRAKASH N V | I/ CSE |
| 16 | 811222104016 | HAJIRA BANU K | I/ CSE |
| 17 | 811222104017 | HARISH V | I/ CSE |
| 18 | 811222104018 | JAI SURYA D | I/ CSE |
| 19 | 811222104019 | JAYAPAKIYAM B | I/ CSE |
| 20 | 811222104020 | KALARANI K | I/ CSE |
| 21 | 811222104021 | KALPANA S | I/ CSE |
| 22 | 811222104022 | KARTHICK SUNDARAM S | I/ CSE |
| 23 | 811222104023 | KIRUTHIGA G | I/ CSE |
| 24 | 811222104024 | KRISHNA K | I/ CSE |
| 25 | 811222104025 | MAHALAKSHMI M | I/ CSE |
| 26 | 811222104026 | MALINI M | I/ CSE |
| 27 | 811222104027 | MATHIYARASAN P | I/ CSE |
| 28 | 811222104028 | MAVITHRA K | I/ CSE |
| 29 | 811222104029 | MEIYANAMOORTHY K | I/ CSE |
| 30 | 811222104030 | MOHAMED SAFEEULLAH S | I/ CSE |
| 31 | 811222104031 | PAVITHRA G | I/ CSE |

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| | | | |
|---|---|---|---|
| 32 | 811222104032 | PRIYANKA P | I/CSE |
| 33 | 811222104033 | RAJA GANESH B | I/CSE |
| 34 | 811222104034 | RAJESH B | I/CSE |
| 35 | 811222104035 | RIZWANA PARVEEN A | I/CSE |
| 36 | 811222104036 | SAKTHIVEL R | I/CSE |
| 37 | 811222104037 | SANDHIYA S | I/CSE |
| 38 | 811222104038 | SANJAY D | I/CSE |
| 39 | 811222104039 | SANTHIYA P | I/CSE |
| 40 | 811222104041 | SARAN KUMAR J | I/CSE |
| 41 | 811222104042 | SATHISHKUMAR S | I/CSE |
| 42 | 811222104043 | SHARMILA DEVI S | I/CSE |
| 43 | 811222104044 | SHARON ESTHER JESSICA C | I/CSE |
| 44 | 811222104045 | SUBBULAKSHMI C | I/CSE |
| 45 | 811222104046 | SUGANYA S | I/CSE |
| 46 | 811222104047 | SUSMITHA V | I/CSE |
| 47 | 811222104048 | VALARMATHI P | I/CSE |
| 48 | 811222104049 | VARRSA TANUSYA S | I/CSE |
| 49 | 811222104050 | VASUNDHARAN R | I/CSE |
| 50 | 811222104051 | VIGNESH V | I/CSE |
| 51 | 811222104052 | VIJAYALAKSHMI G | I/CSE |
| 52 | 811222114001 | BHARATHIKANNAN A | I/MECH |
| 53 | 811222114002 | NITHIYAKUMAR V | I/MECH |
| 54 | 811222114003 | PRAKASHRAJ R | I/MECH |
| 55 | 811222114003 | PRAKASHRAJ R | I/MECH |
| 56 | 811222114004 | RAMACHANDRAN S | I/MECH |
| 57 | 811222114005 | RANJITH R | I/MECH |
| 58 | 811222105001 | JAGADEESHKUMAR S | I/EEE |
| 59 | 811222105002 | KIRTHICK RAJ D | I/EEE |
| 60 | 811222105004 | RAMESH P | I/EEE |
| 61 | 811222105005 | RAMESH S | I/EEE |
| 62 | 811222105006 | VIGNESH G | I/EEE |
| 63 | 811222205001 | AAFRIN BANU A | I/IT |
| 64 | 811222205002 | AARTHI M | I/IT |
| 65 | 811222205003 | AASHIK RAHUMAN N | I/IT |
| 66 | 811222205004 | ABINAYA A | I/IT |
| 67 | 811222205005 | ABINESH S | I/IT |
| 68 | 811222205006 | ABIRAMI V | I/IT |
| 69 | 811222205007 | ADHARSH K | I/IT |
| 70 | 811222205008 | AKASH S | I/IT |
| 71 | 811222205009 | ALLWIN Y | I/IT |

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| | | | |
|---|---|---|---|
| 72 | 811222205011 | ARAVIND S | I/IT |
| 73 | 811222205012 | BHARATHAN B | I/IT |
| 74 | 811222205013 | BHARATHI P | I/IT |
| 75 | 811222205014 | BRUNDHA P | I/IT |
| 76 | 811222205016 | DEEPASHRI S | I/IT |
| 77 | 811222205017 | DEIVASUNDARI S | I/IT |
| 78 | 811222205019 | DHANUSH RAAM M | I/IT |
| 79 | 811222205020 | DHIVYAA K | I/IT |
| 80 | 811222205021 | GOPIKA K | I/IT |
| 81 | 811222205022 | HARI M | I/IT |
| 82 | 811222205023 | HARINI T | I/IT |
| 83 | 811222205025 | JASMINE R | I/IT |
| 84 | 811222205026 | JEEVA S | I/IT |
| 85 | 811222205027 | KANCHANA K | I/IT |
| 86 | 811222205028 | KAVIYA M | I/IT |
| 87 | 811222205029 | KISHORE KUMAR S | I/IT |
| 88 | 811222205030 | KRISHNA KUMAR S (18/11/04) | I/IT |
| 89 | 811222205031 | KRISHNA KUMAR S (07/09/04) | I/IT |
| 90 | 811222205032 | MOHAMED HARISH A | I/IT |
| 91 | 811222205033 | MURALIDHARAN A | I/IT |
| 92 | 811222205034 | MURALI KARTHIK T | I/IT |
| 93 | 811222205035 | NAVEEN T | I/IT |
| 94 | 811222205036 | NAVEEN V | I/IT |
| 95 | 811222205037 | NEHA K | I/IT |
| 96 | 811222205038 | NITHISH KUMAR R | I/IT |
| 97 | 811222205040 | PRAKASH B | I/IT |
| 98 | 811222205041 | PRIYADHARSHINI A | I/IT |
| 99 | 811222205042 | RAJATHALAPATHI P | I/IT |
| 100 | 811222205043 | ROSHMA | I/IT |
| 101 | 811222205044 | SABEER MOHAMED S | I/IT |
| 102 | 811222205045 | SANCHANA N | I/IT |
| 103 | 811222205046 | SANGEETHA R | I/IT |
| 104 | 811222205047 | SANJAY M S | I/IT |
| 105 | 811222205048 | SARATHA C | I/IT |
| 106 | 811222205049 | SHIBANA PARVEEN | I/IT |
| 107 | 811222205050 | SRILEGHA S | I/IT |
| 108 | 811222205051 | SURYA K | I/IT |
| 109 | 811222205052 | SWATHISH S | I/IT |
| 110 | 811222205054 | VASANTHA KUMAR S | I/IT |
| 111 | 811222205055 | VIGNESHKUMAR M | I/IT |

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| 112 | 811222205056 | VISHNU SREE S | I/IT |
| 113 | 811222205057 | YASAR ARABATH K | I/IT |
| 114 | 811222205058 | YOGAPRIYA S | I/IT |
| 115 | 811222205059 | YUGA NITHI S | I/IT |
| 116 | 811222243001 | ABINAYA B | I/AI&DS |
| 117 | 811222243002 | ABINAYA N | I/AI&DS |
| 118 | 811222243003 | ABISHAKE K | I/AI&DS |
| 119 | 811222243004 | AKASH G | I/AI&DS |
| 120 | 811222243005 | AMALRAJ A | I/AI&DS |
| 121 | 811222243006 | ATCHAYA R | I/AI&DS |
| 122 | 811222243007 | BALA SUBHIKSHA B | I/AI&DS |
| 123 | 811222243008 | DHARAANISHAN S | I/AI&DS |
| 124 | 811222243009 | DHIVIYASRI S | I/AI&DS |
| 125 | 811222243010 | DURGADEVI E | I/AI&DS |
| 126 | 811222243011 | GOKULAKRISHNAN S | I/AI&DS |
| 127 | 811222243012 | GOVINDHASAMY K | I/AI&DS |
| 128 | 811222243013 | GUNASEKARAN S | I/AI&DS |
| 129 | 811222243014 | HARIHARAN G | I/AI&DS |
| 130 | 811222243015 | HARI PRASASTH S | I/AI&DS |
| 131 | 811222243016 | HARIPRIYAN P | I/AI&DS |
| 132 | 811222243017 | IRFAN BASITH J | I/AI&DS |
| 133 | 811222243018 | KARTHIKEYAN M | I/AI&DS |
| 134 | 811222243019 | KAVIYA M | I/AI&DS |
| 135 | 811222243020 | KIRUSOKUMAR A | I/AI&DS |
| 136 | 811222243021 | LAVANYA SHREE L | I/AI&DS |
| 137 | 811222243022 | MALATHI S | I/AI&DS |
| 138 | 811222243023 | NANTHAKUMAR M | I/AI&DS |
| 139 | 811222243024 | PRAKASH V | I/AI&DS |
| 140 | 811222243025 | PURAVIRAJ P | I/AI&DS |
| 141 | 811222243026 | RUBAVATHI G | I/AI&DS |
| 142 | 811222243027 | SAKTHIVEL A | I/AI&DS |
| 143 | 811222243028 | SAMS WINSON A | I/AI&DS |
| 144 | 811222243029 | SARAVANAN P | I/AI&DS |
| 145 | 811222243030 | SATHISH S | I/AI&DS |
| 146 | 811222243031 | SENTHAMIZHSELVAN S | I/AI&DS |
| 147 | 811222243032 | SHALINI N | I/AI&DS |
| 148 | 811222243033 | SHALINI S | I/AI&DS |
| 149 | 811222243034 | SUBIKSHA G | I/AI&DS |
| 150 | 811222243035 | THACHINAMOORTHY K | I/AI&DS |
| 151 | 811222243036 | THENMOZHI K | I/AI&DS |

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| | | | |
|---|---|---|---|
| 152 | 811222243037 | VAISHNAVI S | I/AI&DS |
| 153 | 811222243038 | VIJI G | I/AI&DS |
| 154 | 811222243039 | VISHALINI V | I/AI&DS |
| 155 | 811222225001 | ABINAYA C | I/AGRI |
| 156 | 811222225002 | ABISHEK C | I/AGRI |
| 157 | 811222225003 | AJITH V | I/AGRI |
| 158 | 811222225004 | AMARNATH P | I/AGRI |

T. Kalaivani

**VAC Coordinator**

S. Boobalan

**HoD/S&H**

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## Report on Value Added Course

| | | | | | |
|---|---|---|---|---|---|
| Title: | "Value added course on Matlab" | | | | |
| Resource Person: | Mr.K.Vivek<br>Managing Director,<br>Azatech Pvt Ltd, Chennai | Mr.Sundar<br>Team Leader,<br>Azatech Pvt Ltd, Chennai | | | |
| Date of conduct from : | 12.12.2022 | To: | 16.12.2022 | Duration: | 30 Hours |
| Organized Department: | SCIENCE AND HUMANITIES | | | | |
| Participant Year: | 1 | No. of Students Registered : | 158 | | |
| Venue: | AUDITORIUM | | | | |

**Outcome of Value Added Course (VAC): At the end of the Course, Students can able to**

1. Understand the basics of Matlab
2. Break a complex task up into smaller, simpler tasks
3. Case Study (Any two Modules)
4. Tabulate results and Analyse

**Assessment Process**

- Students, who are securing **more than** 70% **on total score** and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted
- Total Score = (0.5 *Attendance in VAC out of 100 percentage + 0.5 *Test mark in VAC out of 100 marks)

T. Kalaivani
**VAC Coordinator**

S. Boobalan
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**Name of the Student :** **Year/Sem:**

**AU Register Number:**

# Value Added Course

**"Course on Matlab"**

**MULTIPLE CHOICE QUESTIONS (25 X 4 = 100 Marks)**

**1. MATLAB stands for?**

a) matrix laboratory

b) math library

c) matric library

d) matrix library

**2. Which command is used to clear a command window?**

a) clear

b) close all

c) clc

d) clear all

**3. To determine whether an input is MATLAB keyword, command is?**

a) is keyword

b) key word

c) input word

d) isvarname

**4. Command used to display the value of variable x.**

a) displayx

b) disp(x)

c) disp x

d) vardisp('x')

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**5. Which of the following statements shows the result of executing the following line in the editor window?**

size = [13]'  size(size)

a) error

b) 1 3

c) 3 1

d) 3 3

**6. Executing in the command window the following code returns.**

a = [1:3]' size(a)

a) error message

b) 1 3

c) 3 1

d) 31

**7. Command is used to save command window text to file.**

a) saveas

b) texttofile

c) diary

d) todiary

**8. Executing in the editor window the following code returns.**

a = 1;  sin(a)  a = 2;

a) 0.4815

b) 0.8415

c) 1

d) 0.9093

**9. To stop the execution of a MATLAB command, used keys?**

a) ctrl+c

b) ctrl+s

c) ctrl+b

d) ctrl+enter

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**10. Which is the invalid variable name in MATLAB?**

a) x6

b) last

c) 6x

d) z

**11. What would be the output of the following code (in editor window)?**

A = [01; 10] ; B=2 ; C = A + B

a)

1 2

4 5

b)

2 3

3 2

c)

3 2

3 2

d)

3 2

2 3

**12. What would be the output of the following code (in editor window)?**

A = [102] ; b = [307] ; c=a.*b;

a) [2 0 21]

b) [3 0 14]

c) [14 0 3]

d) [7 0 3]

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**13. What would be the output of the following code (in editor window)?**

```
a=1:5    ;        c=a.^2
```

a) [1 25]

b) [1 2 3 4 5]

c) [25 16 9 4 1]

d) [1 4 9 16 25]

**14. What would be the output of the following code (in editor window)?**

```
A = [1    1        0        0]
B = [1    ;2       ;3       ;4]
C=A*B
```

a) 0

b) [1 0 0 0]

c) 3

d) [1 2 0 0]

**15. What would be the output of the following code (in editor window)?**

```
A = [1    2;       3        4]
C = A^2
```

a) [7 10; 15 22]

b) [1 4; 9 16]

c) [16 9; 4 1]

d) [22 15; 10 7]

**16. What would be the output of the following code (in editor window)?**

```
A=1:5;
B=cumprod(A)
```

a) b=[1 2 6 24 120]

b) b=[1 2 3 4 5]

c) b=[5 4 3 2 1]

d) b=[120 24 6 2 1]

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**17. Create an array of logical values.**

A = [true false true; true true false]
A = 101
110
B = cumprod(A,2)

**18. Find the cumulative product of the rows of A.**

a)

B = 1 0 0

0 1 0

b)

B = 1 0 0

1 1 0

c)

B = 1 0 0

1 1 1

d)

B = 1 1 0

1 1 0

A =147
258
369
B = cumsum(A)

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a)

B = 1 4 7

3 8 15

6 15 24

b)

B = 1 4 7

4 9 15

4 15 24

c)

B = 1 4 7

3 9 15

6 15 29

d)

B = 1 4 7

3 9 15

6 15 24

**19. Create a 4-by-2-by-3 array of ones and compute the sum along the third dimension.**

```
A = ones(4,2,3);
S = sum(A,3)
```

a)

S = 3 3

3 3

3 3

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3 3

b)

S = 3 4

3 4

3 4

3 4

c)

S = 2 3

2 3

2 3

2 3

d)

S = 7 3

5 3

6 3

3 3

**20. Round each value in a duration array to the nearest number of seconds greater than or equal to that value.**

t = hours(8) + minutes(29:31) + seconds(1.23);
t.Format = 'hh:mm:ss.SS'
t = 08:29:01.23 08:30:01.23 08:31:01.23
Y1 = ceil(t)
Y2 = ceil(t,'hours')

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a)

Y1 = 08:29:02.00 08:30:02.00 08:31:02.00

Y2 = 09:00:00.00 09:00:00.00 09:00:00.00

b)

Y1 = 08:29:02.00 08:30:02.00 08:31:02.00

Y2 = 08:29:01.23 08:30:01.23 08:31:01.23

c)

Y1 = 08:29:01.23 08:30:01.23 08:31:01.23

Y2 = 08:29:01.23 08:30:01.23 08:31:01.23

d)

Y1 = 008:29:01.23 08:30:01.23 08:31:01.23

Y2 = 09:00:00.00 09:00:00.00 09:00:00.00

**21. What would be the output of the following code (in editor window)?**

X = [1.4+2.3i3.1-2.2i -5.3+10.9i]
X = 1.4000 + 2.3000i3.1000 - 2.2000i -5.3000+10.9000i
Y = fix(X)

a) Y = 1.0000 + 2.0000i 3.0000 – 4.0000i -5.0000 +10.0000i

b) Y = 2.0000 + 3.0000i 3.1000 – 2.2000i -5.3000 +10.9000i

c) Y = 1.0000 + 2.0000i 3.0000 – 2.0000i -5.0000 +10.0000i

d) Y = 2.0000 + 3.0000i 3.1000 – 2.2000i -5.3000 +10.9000i

**22. Compute 24 modulo 5.**

b = mod(24,5)

a) b = 3

b) b =4

c) b =5

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d) b =6

**23. What would be the output of the following code (in editor window)?**

```
X = [123;456;789];
Y = [987;654;321];
R = rem(X,Y)
```

a)

```
R = 1   2   1
    4   0   9
    1   0   0
```

b)

```
R = 1   2   3
    3   0   2
    1   0   0
```

c)

```
R = 1   2   3
    4   1   2
    1   1   0
```

d)

```
R = 1   2   3
    4   0   2
    1   0   0
```

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**24. If one operand is a scalar and the other is not, then MATLAB applies the scalar to every element of the other operand. This property is known as _____**

a) operand divergence

b) scalar expansion

c) vector expansion

d) dimension declaration

**25. What happens if we don't assign a variable to an expression which evaluates a numerical value?**

a) MATLAB shows error

b) Nothing happens

c) The evaluated values are assigned to a variable automatically

d) Depends on the numerical value

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# Value Added Course

**"Course on Matlab"**

**ANSWER KEY**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | a | 6 | C | 11 | b | 16 | a | 21 | c |
| 2 | c | 7 | C | 12 | b | 17 | b | 22 | b |
| 3 | a | 8 | B | 13 | d | 18 | d | 23 | d |
| 4 | b | 9 | A | 14 | c | 19 | a | 24 | b |
| 5 | a | 10 | C | 15 | a | 20 | a | 25 | a |

T. Kalaivani

**VAC Coordinator**

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## Department of Science and Humanities

### Academic Year 2022-2023–Odd Semester

### STUDENTS ATTENDANCE LIST

### Value Added Course

**"Course on Matlab"**

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| S.NO | REGISTER NUMBER | NAME | YEAR/ BRANCH | 12.12.2022 | | 13.12.2022 | | 14.12.2022 | | 15.12.2022 | | 16.12.2022 | | NO OF SESSIONS ATTENDED | SIGNATURE OF THE STUDENT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | FN | AN | FN | AN | FN | AN | FN | AN | FN | AN | | |
| 1 | 811222104001 | ARJUN RAJAN E | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 28 | |
| 2 | 811222104002 | BALAMURUGAN M | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 29 | |
| 3 | 811222104003 | BANUSREE K | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | |
| 4 | 811222104004 | BHARANITHARAN D | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | |
| 5 | 811222104005 | DEEBA ANJALIN J | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | |
| 6 | 811222104006 | DEVIBALAN S | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | |
| 7 | 811222104007 | DHARUN U | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | |
| 8 | 811222104008 | DINESH BABU J | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 28 | |
| 9 | 811222104009 | DIVYASREE G | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 29 | |
| 0 | 811222104010 | FAIZAL AHAMED J | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | |
| 1 | 811222104011 | FAZLUDEEN M | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | |
| 2 | 811222104012 | GAYATHRI R | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | |
| 3 | 811222104013 | GOKULAN S | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | |
| 4 | 811222104014 | GOWSALYA S | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 29 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 811222104015 | GURUPRAKASH N V | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 28 | N.V.Guru |
| 16 | 811222104016 | HAJIRA BANU K | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | | ✓ | ✓ | 29 | K.Hajira |
| 17 | 811222104017 | HARISH V | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | V.Harish |
| 18 | 811222104018 | JAI SURYA D | I/ CSE | ✓ | a | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 27 | D.Jai |
| 19 | 811222104019 | JAYAPAKIYAM B | I/ CSE | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | B.Jaya |
| 20 | 811222104020 | KALARANI K | I/ CSE | ✓ | ✓ | ✓ | a | ✓ | a | ✓ | ✓ | ✓ | ✓ | 26 | K.Kala |
| 21 | 811222104021 | KALPANA S | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 26 | S.Kalp |
| 22 | 811222104022 | KARTHICK SUNDARAM S | I/ CSE | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 26 | S.Kart |
| 23 | 811222104023 | KIRUTHIGA G | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | 27 | G.Kiru |
| 24 | 811222104024 | KRISHNA K | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 28 | K.Krish |
| 25 | 811222104025 | MAHALAKSHMI M | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 29 | M.Maha |
| 26 | 811222104026 | MALINI M | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | M.Mali |
| 27 | 811222104027 | MATHIYARASAN P | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 27 | P.Mathi |
| 28 | 811222104028 | MAVITHRA K | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 26 | K.Mavi |
| 29 | 811222104029 | MEIYANAMOORTHY K | I/ CSE | ✓ | a | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | K.Meiya |
| 30 | 811222104030 | MOHAMED SAFEEULLAH S | I/ CSE | ✓ | ✓ | a | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 26 | S.Moha |
| 31 | 811222104031 | PAVITHRA G | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | G.Pavi |
| 32 | 811222104032 | PRIYANKA P | I/ CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 26 | P.Priya |
| 3 | 811222104033 | RAJA GANESH B | I/CSE | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | B.Raja |
| 4 | 811222104034 | RAJESH B | I/CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 26 | B.Raje |
| 5 | 811222104035 | RIZWANA PARVEEN A | I/CSE | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | R.Rizw |
| 6 | 811222104036 | SAKTHIVEL R | I/CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | R.Sakt |
| 7 | 811222104037 | SANDHIYA S | I/CSE | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 28 | S.Sandh |
| 8 | 811222104038 | SANJAY D | I/CSE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 29 | D.Sanja |
| 9 | 811222104039 | SANTHIYA P | I/CSE | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | D.Sanjay |
| | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | P.Santhi |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | 811222205003 | AASHIK RAHUMAN N | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | | |
| 66 | 811222205004 | ABINAYA A | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 29 | | |
| 67 | 811222205005 | ABINESH S | I/IT | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 29 | | |
| 68 | 811222205006 | ABIRAMI V | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | | |
| 69 | 811222205007 | ADHARSH K | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | | |
| 70 | 811222205008 | AKASH S | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | | |
| 71 | 811222205009 | ALLWIN Y | I/IT | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | a | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | | |
| 72 | 811222205011 | ARAVIND S | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | | |
| 73 | 811222205012 | BHARATHAN B | I/IT | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | a | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 28 | | |
| 74 | 811222205013 | BHARATHI P | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 29 | | |
| 75 | 811222205014 | BRUNDHA P | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 29 | | |
| 76 | 811222205016 | DEEPASHRI S | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | | |
| 77 | 811222205017 | DEIVASUNDARI S | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 28 | | |
| 78 | 811222205019 | DHANUSH RAAM M | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | | |
| 79 | 811222205020 | DHIVYAA K | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | | |
| 80 | 811222205021 | GOPIKA K | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 28 | | |
| 81 | 811222205022 | HARI M | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 29 | | |
| 82 | 811222205023 | HARINI T | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | | |
| 83 | 811222205025 | JASMINE R | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | | |
| 84 | 811222205026 | JEEVA S | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | | |
| 85 | 811222205027 | KANCHANA K | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | | |
| 86 | 811222205028 | KAVIYA M | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | | |
| 87 | 811222205029 | KISHORE KUMAR S | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 28 | | |
| 88 | 811222205030 | KRISHNA KUMAR S | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 29 | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 89 | 811222205031 | KRISHNA KUMAR S (07/09/04) | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 29 | [illegible] |
| 90 | 811222205032 | MOHAMED HARISH A | I/IT | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | A. [illegible] |
| 91 | 811222205033 | MURALIDHARAN A | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | A. [illegible] |
| 92 | 811222205034 | MURALI KARTHIK T | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 28 | T. [illegible] |
| 93 | 811222205035 | NAVEEN T | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | 29 | T. [illegible] |
| 94 | 811222205036 | NAVEEN V | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | V. [illegible] |
| 95 | 811222205037 | NEHA K | I/IT | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | R. [illegible] |
| 96 | 811222205038 | NITHISH KUMAR R | I/IT | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 26 | B. [illegible] |
| 97 | 811222205040 | PRAKASH B | I/IT | ✓ | ✓ | a | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 26 | B. [illegible] |
| 98 | 811222205041 | PRIYADHARSHINI A | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 27 | A. [illegible] |
| 99 | 811222205042 | RAJATHALAPATHI P | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 28 | P. [illegible] |
| 100 | 811222205043 | ROSHMA | I/IT | ✓ | ✓ | a | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | 29 | A. [illegible] |
| 101 | 811222205044 | SABEER MOHAMED S | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 29 | C. Sabeer |
| 102 | 811222205045 | SANCHANA N | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 29 | N. [illegible] |
| 103 | 811222205046 | SANGEETHA R | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | 27 | P. [illegible] |
| 104 | 811222205047 | SANJAY M S | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | [illegible] |
| 105 | 811222205048 | SARATHA C | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 28 | [illegible] |
| 106 | 811222205049 | SHIBANA PARVEEN | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 29 | [illegible] |
| 107 | 811222205050 | SRILEGHA S | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | 30 | [illegible] |
| 108 | 811222205051 | SURYA K | I/IT | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 27 | [illegible] |
| 109 | 811222205052 | SWATHISH S | I/IT | ✓ | ✓ | ✓ | ✓ | a | ✓ | a | ✓ | ✓ | ✓ | 26 | [illegible] |
| 110 | 811222205054 | VASANTHA KUMAR S | I/IT | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 26 | [illegible] |
| 11 | 811222205055 | VIGNESHKUMAR M | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 27 | [illegible] |
| 12 | 811222205056 | VISHNU SREE S | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 28 | [illegible] |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 113 | 811222205057 | YASAR ARABATH K | I/IT | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | 29 | K. Yasar |
| 114 | 811222205058 | YOGAPRIYA S | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | 29 | S. Yoga |
| 115 | 811222205059 | YUGA NITHI S | I/IT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 28 | S. Yuga |
| 116 | 811222243001 | ABINAYA B | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | 29 | B. Ab |
| 117 | 811222243002 | ABINAYA N | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 27 | N. Abina |
| 118 | 811222243003 | ABISHAKE K | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | K. Abishake |
| 119 | 811222243004 | AKASH G | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 28 | G. Akash |
| 120 | 811222243005 | AMALRAJ A | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | 29 | A. Amalraj |
| 121 | 811222243006 | ATCHAYA R | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | R. Atchaya |
| 122 | 811222243007 | BALA SUBHIKSHA B | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 27 | B. Bala |
| 123 | 811222243008 | DHARAANISHAN S | I/AI&DS | ✓ | ✓ | a | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | 26 | S. Dhara |
| 124 | 811222243009 | DHIVIYASRI S | I/AI&DS | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | a | ✓ | ✓ | 26 | S. Divya |
| 125 | 811222243010 | DURGADEVI E | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 27 | E. Durga |
| 126 | 811222243011 | GOKULAKRISHNAN S | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 28 | S. Gokula |
| 127 | 811222243012 | GOVINDHASAMY K | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 29 | K. Govind |
| 128 | 811222243013 | GUNASEKARAN S | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 27 | S. Gune |
| 129 | 811222243014 | HARIHARAN G | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 28 | G. Hari |
| 130 | 811222243015 | HARI PRASASTH S | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | 28 | S. Haripr |
| 131 | 811222243016 | HARIPRIYAN P | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 29 | S. Irfan |
| 132 | 811222243017 | IRFAN BASITH J | I/AI&DS | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | S. Karthi |
| 133 | 811222243018 | KARTHIKEYAN M | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | M. Kaviya |
| 134 | 811222243019 | KAVIYA M | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | 28 | A. Kiru |
| 135 | 811222243020 | KIRUSOKUMAR A | I/AI&DS | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 29 | L. Lavanya |
| 136 | 811222243021 | LAVANYA SHREE L | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | L. Lavan |
| 137 | 811222243022 | MALATHI | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | 27 | S. Malath |

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| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 138 | 811222243023 | NANTHAKUMAR M | I/AI&DS | ✓ | ✓ | a | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 26 | |
| 139 | 811222243024 | PRAKASH V | I/AI&DS | ✓ | a | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | 26 | |
| 140 | 811222243025 | PURAVIRAJ P | I/AI&DS | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | |
| 141 | 811222243026 | RUBAVATHI G | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | |
| 142 | 811222243027 | SAKTHIVEL A | I/AI&DS | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | |
| 143 | 811222243028 | SAMS WINSON A | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 28 | |
| 144 | 811222243029 | SARAVANAN P | I/AI&DS | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 28 | |
| 145 | 811222243030 | SATHISH S | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | 29 | |
| 146 | 811222243031 | SENTHAMIZHSELVAN S | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | 27 | |
| 147 | 811222243032 | SHALINI N | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | |
| 148 | 811222243033 | SHALINI S | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | 28 | |
| 149 | 811222243034 | SUBIKSHA G | I/AI&DS | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 29 | |
| 150 | 811222243035 | THACHINAMOORTHY K | I/AI&DS | ✓ | ✓ | a | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | 26 | |
| 151 | 811222243036 | THENMOZHI K | I/AI&DS | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 26 | |
| 152 | 811222243037 | VAISHNAVI S | I/AI&DS | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | |
| 153 | 811222243038 | VIJI G | I/AI&DS | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 30 | |
| 154 | 811222243039 | VISHALINI V | I/AI&DS | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 27 | |
| 155 | 811222225001 | ABINAYA C | I/AGRI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 28 | |
| 156 | 811222225002 | ABISHEK C | I/AGRI | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | 28 | |
| 157 | 811222225003 | AJITH V | I/AGRI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | 29 | |
| 158 | 811222225004 | AMARNATH P | I/AGRI | ✓ | ✓ | ✓ | ✓ | ✓ | a | ✓ | ✓ | ✓ | ✓ | ✓ | 28 | |

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# Department of Science and Humanities

## Academic Year 2022-2023–Odd Semester

## VALUE ADDED COURSE ASSESMENT SHEET

**"Course on Matlab"**

| S.NO | REGISTER NUMBER | NAME | YEAR/ BRANCH | Attendance Details | | VAC-MCQ TEST | | OVERALL MARK (100) |
|---|---|---|---|---|---|---|---|---|
| | | | | No. of Hours Attended | Attendance Mark(100) (A) | No of Correct Answers | MCQ Mark(100) (B) | (50% of A + 50% of B) |
| 1 | 811222104001 | ARJUN RAJAN E | I/ CSE | 28 | 85 | 19 | 76 | 80 |
| 2 | 811222104002 | BALAMURUGAN M | I/ CSE | 29 | 88 | 20 | 80 | 84 |
| 3 | 811222104003 | BANUSREE K | I/ CSE | 30 | 91 | 18 | 72 | 81 |
| 4 | 811222104004 | BHARANITHARAN D | I/ CSE | 27 | 82 | 17 | 68 | 75 |
| 5 | 811222104005 | DEEBA ANJALIN J | I/ CSE | 26 | 79 | 18 | 72 | 75 |
| 6 | 811222104006 | DEVIBALAN S | I/ CSE | 26 | 79 | 18 | 72 | 75 |
| 7 | 811222104007 | DHARUN U | I/ CSE | 27 | 82 | 21 | 84 | 83 |
| 8 | 811222104008 | DINESH BABU J | I/ CSE | 28 | 85 | 19 | 76 | 80 |
| 9 | 811222104009 | DIVYASREE G | I/ CSE | 29 | 88 | 20 | 80 | 84 |
| 10 | 811222104010 | FAIZAL AHAMED J | I/ CSE | 30 | 91 | 18 | 72 | 81 |
| 11 | 811222104011 | FAZLUDEEN M | I/ CSE | 27 | 82 | 17 | 68 | 75 |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 12 | 811222104012 | GAYATHRI R | I/ CSE | 26 | 79 | 18 | 72 | 75 |
| 13 | 811222104013 | GOKULAN S | I/ CSE | 26 | 79 | 18 | 72 | 75 |
| 14 | 811222104014 | GOWSALYA S | I/ CSE | 27 | 82 | 21 | 84 | 83 |
| 15 | 811222104015 | GURUPRAKASH N V | I/ CSE | 28 | 85 | 19 | 76 | 80 |
| 16 | 811222104016 | HAJIRA BANU K | I/ CSE | 29 | 88 | 20 | 80 | 84 |
| 17 | 811222104017 | HARISH V | I/ CSE | 30 | 91 | 18 | 72 | 81 |
| 18 | 811222104018 | JAI SURYA D | I/ CSE | 27 | 82 | 17 | 68 | 75 |
| 19 | 811222104019 | JAYAPAKIYAM B | I/ CSE | 26 | 79 | 18 | 72 | 75 |
| 20 | 811222104020 | KALARANI K | I/ CSE | 26 | 79 | 18 | 72 | 75 |
| 21 | 811222104021 | KALPANA S | I/ CSE | 26 | 79 | 18 | 72 | 75 |
| 22 | 811222104022 | KARTHICK SUNDARAM S | I/ CSE | 26 | 79 | 18 | 72 | 75 |
| 23 | 811222104023 | KIRUTHIGA G | I/ CSE | 27 | 82 | 21 | 84 | 83 |
| 24 | 811222104024 | KRISHNA K | I/ CSE | 28 | 85 | 19 | 76 | 80 |
| 25 | 811222104025 | MAHALAKSHMI M | I/ CSE | 29 | 88 | 20 | 80 | 84 |
| 26 | 811222104026 | MALINI M | I/ CSE | 30 | 91 | 18 | 72 | 81 |
| 27 | 811222104027 | MATHIYARASAN P | I/ CSE | 27 | 82 | 17 | 68 | 75 |
| 28 | 811222104028 | MAVITHRA K | I/ CSE | 26 | 79 | 18 | 72 | 75 |
| 29 | 811222104029 | MEIYANAMOORTHY K | I/ CSE | 26 | 79 | 18 | 72 | 75 |
| 30 | 811222104030 | MOHAMED SAFEEULLAH S | I/ CSE | 26 | 79 | 18 | 72 | 75 |
| 31 | 811222104031 | PAVITHRA G | I/ CSE | 26 | 79 | 18 | 72 | 75 |
| 32 | 811222104032 | PRIYANKA P | I/CSE | 27 | 82 | 21 | 84 | 83 |
| 33 | 811222104033 | RAJA GANESH B | I/CSE | 26 | 79 | 18 | 72 | 75 |
| 34 | 811222104034 | RAJESH B | I/CSE | 26 | 79 | 18 | 72 | 75 |

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|---|---|---|---|---|---|---|---|---|
| 35 | 811222104035 | RIZWANA PARVEEN A | I/CSE | 27 | 82 | 21 | 84 | 83 |
| 36 | 811222104036 | SAKTHIVEL R | I/CSE | 28 | 85 | 19 | 76 | 80 |
| 37 | 811222104037 | SANDHIYA S | I/CSE | 29 | 88 | 20 | 80 | 84 |
| 38 | 811222104038 | SANJAY D | I/CSE | 30 | 91 | 18 | 72 | 81 |
| 39 | 811222104039 | SANTHIYA P | I/CSE | 27 | 82 | 17 | 68 | 75 |
| 40 | 811222104041 | SARAN KUMAR J | I/CSE | 26 | 79 | 18 | 72 | 75 |
| 41 | 811222104042 | SATHISHKUMAR S | I/CSE | 26 | 79 | 18 | 72 | 75 |
| 42 | 811222104043 | SHARMILA DEVI S | I/CSE | 26 | 79 | 18 | 72 | 75 |
| 43 | 811222104044 | SHARON ESTHER JESSICA C | I/CSE | 26 | 79 | 18 | 72 | 75 |
| 44 | 811222104045 | SUBBULAKSHMI C | I/CSE | 27 | 82 | 21 | 84 | 83 |
| 45 | 811222104046 | SUGANYA S | I/CSE | 28 | 85 | 19 | 76 | 80 |
| 46 | 811222104047 | SUSMITHA V | I/CSE | 29 | 88 | 20 | 80 | 84 |
| 47 | 811222104048 | VALARMATHI P | I/CSE | 30 | 91 | 18 | 72 | 81 |
| 48 | 811222104049 | VARRSA TANUSYA S | I/CSE | 27 | 82 | 17 | 68 | 75 |
| 49 | 811222104050 | VASUNDHARAN R | I/CSE | 26 | 79 | 18 | 72 | 75 |
| 50 | 811222104051 | VIGNESH V | I/CSE | 26 | 79 | 18 | 72 | 75 |
| 51 | 811222104052 | VIJAYALAKSHMI G | I/CSE | 26 | 79 | 18 | 72 | 75 |
| 52 | 811222114001 | BHARATHIKANNAN A | I/MECH | 26 | 79 | 18 | 72 | 75 |
| 53 | 811222114002 | NITHIYAKUMAR V | I/MECH | 27 | 82 | 21 | 84 | 83 |
| 54 | 811222114003 | PRAKASHRAJ R | I/MECH | 28 | 85 | 19 | 76 | 80 |
| 55 | 811222114003 | PRAKASHRAJ R | I/MECH | 29 | 88 | 20 | 80 | 84 |
| 56 | 811222114004 | RAMACHANDRAN S | I/MECH | 30 | 91 | 18 | 72 | 81 |
| 57 | 811222114005 | RANJITH R | I/MECH | 27 | 82 | 17 | 68 | 75 |

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|---|---|---|---|---|---|---|---|---|
| 58 | 811222105001 | JAGADEESHKUMAR S | I/EEE | 26 | 79 | 18 | 72 | 75 |
| 59 | 811222105002 | KIRTHICK RAJ D | I/EEE | 26 | 79 | 18 | 72 | 75 |
| 60 | 811222105004 | RAMESH P | I/EEE | 26 | 79 | 18 | 72 | 75 |
| 61 | 811222105005 | RAMESH S | I/EEE | 26 | 79 | 18 | 72 | 75 |
| 62 | 811222105006 | VIGNESH G | I/EEE | 27 | 82 | 21 | 84 | 83 |
| 63 | 811222205001 | AAFRIN BANU A | I/IT | 28 | 85 | 19 | 76 | 80 |
| 64 | 811222205002 | AARTHI M | I/IT | 29 | 88 | 20 | 80 | 84 |
| 65 | 811222205003 | AASHIK RAHUMAN N | I/IT | 30 | 91 | 18 | 72 | 81 |
| 66 | 811222205004 | ABINAYA A | I/IT | 28 | 85 | 19 | 76 | 80 |
| 67 | 811222205005 | ABINESH S | I/IT | 29 | 88 | 20 | 80 | 84 |
| 68 | 811222205006 | ABIRAMI V | I/IT | 30 | 91 | 18 | 72 | 81 |
| 69 | 811222205007 | ADHARSH K | I/IT | 27 | 82 | 17 | 68 | 75 |
| 70 | 811222205008 | AKASH S | I/IT | 26 | 79 | 18 | 72 | 75 |
| 71 | 811222205009 | ALLWIN Y | I/IT | 26 | 79 | 18 | 72 | 75 |
| 72 | 811222205011 | ARAVIND S | I/IT | 27 | 82 | 21 | 84 | 83 |
| 73 | 811222205012 | BHARATHAN B | I/IT | 28 | 85 | 19 | 76 | 80 |
| 74 | 811222205013 | BHARATHI P | I/IT | 29 | 88 | 18 | 72 | 80 |
| 75 | 811222205014 | BRUNDHA P | I/IT | 29 | 88 | 18 | 72 | 80 |
| 76 | 811222205016 | DEEPASHRI S | I/IT | 27 | 82 | 17 | 68 | 75 |
| 77 | 811222205017 | DEIVASUNDARI S | I/IT | 28 | 85 | 19 | 76 | 80 |
| 78 | 811222205019 | DHANUSH RAAM M | I/IT | 27 | 82 | 17 | 68 | 75 |
| 79 | 811222205020 | DHIVYAA K | I/IT | 30 | 91 | 18 | 72 | 81 |
| 80 | 811222205021 | GOPIKA K | I/IT | 28 | 85 | 19 | 76 | 80 |

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|---|---|---|---|---|---|---|---|---|
| 81 | 811222205022 | HARI M | I/IT | 29 | 88 | 20 | 80 | 84 |
| 82 | 811222205023 | HARINI T | I/IT | 30 | 91 | 18 | 72 | 81 |
| 83 | 811222205025 | JASMINE R | I/IT | 27 | 82 | 17 | 68 | 75 |
| 84 | 811222205026 | JEEVA S | I/IT | 26 | 79 | 18 | 72 | 75 |
| 85 | 811222205027 | KANCHANA K | I/IT | 26 | 79 | 18 | 72 | 75 |
| 86 | 811222205028 | KAVIYA M | I/IT | 27 | 82 | 21 | 84 | 83 |
| 87 | 811222205029 | KISHORE KUMAR S | I/IT | 28 | 85 | 19 | 76 | 80 |
| 88 | 811222205030 | KRISHNA KUMAR S (18/11/04) | I/IT | 29 | 88 | 18 | 72 | 80 |
| 89 | 811222205031 | KRISHNA KUMAR S (07/09/04) | I/IT | 29 | 88 | 18 | 72 | 80 |
| 90 | 811222205032 | MOHAMED HARISH A | I/IT | 27 | 82 | 17 | 68 | 75 |
| 91 | 811222205033 | MURALIDHARAN A | I/IT | 30 | 91 | 18 | 72 | 81 |
| 92 | 811222205034 | MURALI KARTHIK T | I/IT | 28 | 85 | 19 | 76 | 80 |
| 93 | 811222205035 | NAVEEN T | I/IT | 29 | 88 | 20 | 80 | 84 |
| 94 | 811222205036 | NAVEEN V | I/IT | 30 | 91 | 18 | 72 | 81 |
| 95 | 811222205037 | NEHA K | I/IT | 27 | 82 | 17 | 68 | 75 |
| 96 | 811222205038 | NITHISH KUMAR R | I/IT | 26 | 79 | 18 | 72 | 75 |
| 97 | 811222205040 | PRAKASH B | I/IT | 26 | 79 | 18 | 72 | 75 |
| 98 | 811222205041 | PRIYADHARSHINI A | I/IT | 27 | 82 | 21 | 84 | 83 |
| 99 | 811222205042 | RAJATHALAPATHI P | I/IT | 28 | 85 | 19 | 76 | 80 |
| 100 | 811222205043 | ROSHMA | I/IT | 29 | 88 | 18 | 72 | 80 |
| 101 | 811222205044 | SABEER MOHAMED S | I/IT | 29 | 88 | 18 | 72 | 80 |
| 102 | 811222205045 | SANCHANA N | I/IT | 29 | 88 | 18 | 72 | 80 |
| 103 | 811222205046 | SANGEETHA R | I/IT | 27 | 82 | 17 | 68 | 75 |

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|---|---|---|---|---|---|---|---|---|---|
| 104 | 811222205047 | SANJAY M S | I/IT | 30 | 91 | 18 | 72 | 81 | |
| 105 | 811222205048 | SARATHA C | I/IT | 28 | 85 | 19 | 76 | 80 | |
| 106 | 811222205049 | SHIBANA PARVEEN | I/IT | 29 | 88 | 20 | 80 | 84 | |
| 107 | 811222205050 | SRILEGHA S | I/IT | 30 | 91 | 18 | 72 | 81 | |
| 108 | 811222205051 | SURYA K | I/IT | 27 | 82 | 17 | 68 | 75 | |
| 109 | 811222205052 | SWATHISH S | I/IT | 26 | 79 | 18 | 72 | 75 | |
| 110 | 811222205054 | VASANTHA KUMAR S | I/IT | 26 | 79 | 18 | 72 | 75 | |
| 111 | 811222205055 | VIGNESHKUMAR M | I/IT | 27 | 82 | 21 | 84 | 83 | |
| 112 | 811222205056 | VISHNU SREE S | I/IT | 28 | 85 | 19 | 76 | 80 | |
| 113 | 811222205057 | YASAR ARABATH K | I/IT | 29 | 88 | 18 | 72 | 80 | |
| 114 | 811222205058 | YOGAPRIYA S | I/IT | 29 | 88 | 18 | 72 | 80 | |
| 115 | 811222205059 | YUGA NITHI S | I/IT | 28 | 85 | 19 | 76 | 80 | |
| 116 | 811222243001 | ABINAYA B | I/AI&DS | 29 | 88 | 18 | 72 | 80 | |
| 117 | 811222243002 | ABINAYA N | I/AI&DS | 27 | 82 | 17 | 68 | 75 | |
| 118 | 811222243003 | ABISHAKE K | I/AI&DS | 30 | 91 | 18 | 72 | 81 | |
| 119 | 811222243004 | AKASH G | I/AI&DS | 28 | 85 | 19 | 76 | 80 | |
| 120 | 811222243005 | AMALRAJ A | I/AI&DS | 29 | 88 | 20 | 80 | 84 | |
| 121 | 811222243006 | ATCHAYA R | I/AI&DS | 30 | 91 | 18 | 72 | 81 | |
| 122 | 811222243007 | BALA SUBHIKSHA B | I/AI&DS | 27 | 82 | 17 | 68 | 75 | |
| 123 | 811222243008 | DHARAANISHAN S | I/AI&DS | 26 | 79 | 18 | 72 | 75 | |
| 124 | 811222243009 | DHIVIYASRI S | I/AI&DS | 26 | 79 | 18 | 72 | 75 | |
| 125 | 811222243010 | DURGADEVI E | I/AI&DS | 27 | 82 | 21 | 84 | 83 | |
| 126 | 811222243011 | GOKULAKRISHNAN S | I/AI&DS | 28 | 85 | 19 | 76 | 80 | |

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|---|---|---|---|---|---|---|---|---|
| 127 | 811222243012 | GOVINDHASAMY K | I/AI&DS | 29 | 88 | 18 | 72 | 80 |
| 128 | 811222243013 | GUNASEKARAN S | I/AI&DS | 27 | 82 | 21 | 84 | 83 |
| 129 | 811222243014 | HARIHARAN G | I/AI&DS | 28 | 85 | 18 | 72 | 78 |
| 130 | 811222243015 | HARI PRASASTH S | I/AI&DS | 28 | 85 | 19 | 76 | 80 |
| 131 | 811222243016 | HARIPRIYAN P | I/AI&DS | 29 | 88 | 18 | 72 | 80 |
| 132 | 811222243017 | IRFAN BASITH J | I/AI&DS | 27 | 82 | 17 | 68 | 75 |
| 133 | 811222243018 | KARTHIKEYAN M | I/AI&DS | 30 | 91 | 18 | 72 | 81 |
| 134 | 811222243019 | KAVIYA M | I/AI&DS | 28 | 85 | 19 | 76 | 80 |
| 135 | 811222243020 | KIRUSOKUMAR A | I/AI&DS | 29 | 88 | 20 | 80 | 84 |
| 136 | 811222243021 | LAVANYA SHREE L | I/AI&DS | 30 | 91 | 18 | 72 | 81 |
| 137 | 811222243022 | MALATHI S | I/AI&DS | 27 | 82 | 17 | 68 | 75 |
| 138 | 811222243023 | NANTHAKUMAR M | I/AI&DS | 26 | 79 | 18 | 72 | 75 |
| 139 | 811222243024 | PRAKASH V | I/AI&DS | 26 | 79 | 18 | 72 | 75 |
| 140 | 811222243025 | PURAVIRAJ P | I/AI&DS | 27 | 82 | 21 | 84 | 83 |
| 141 | 811222243026 | RUBAVATHI G | I/AI&DS | 30 | 91 | 18 | 72 | 81 |
| 142 | 811222243027 | SAKTHIVEL A | I/AI&DS | 27 | 82 | 21 | 84 | 83 |
| 143 | 811222243028 | SAMS WINSON A | I/AI&DS | 28 | 85 | 18 | 72 | 78 |
| 144 | 811222243029 | SARAVANAN P | I/AI&DS | 28 | 85 | 19 | 76 | 80 |
| 145 | 811222243030 | SATHISH S | I/AI&DS | 29 | 88 | 18 | 72 | 80 |
| 146 | 811222243031 | SENTHAMIZHSELVAN S | I/AI&DS | 27 | 82 | 17 | 68 | 75 |
| 147 | 811222243032 | SHALINI N | I/AI&DS | 30 | 91 | 18 | 72 | 81 |
| 148 | 811222243033 | SHALINI S | I/AI&DS | 28 | 85 | 19 | 76 | 80 |
| 149 | 811222243034 | SUBIKSHA G | I/AI&DS | 29 | 88 | 20 | 80 | 84 |

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|---|---|---|---|---|---|---|---|---|
| 150 | 811222243035 | THACHINAMOORTHY K | I/AI&DS | 26 | 79 | 18 | 72 | 75 |
| 151 | 811222243036 | THENMOZHI K | I/AI&DS | 26 | 79 | 18 | 72 | 75 |
| 152 | 811222243037 | VAISHNAVI S | I/AI&DS | 27 | 82 | 21 | 84 | 83 |
| 153 | 811222243038 | VIJI G | I/AI&DS | 30 | 91 | 18 | 72 | 81 |
| 154 | 811222243039 | VISHALINI V | I/AI&DS | 27 | 82 | 21 | 84 | 83 |
| 155 | 811222225001 | ABINAYA C | I/AGRI | 28 | 85 | 18 | 72 | 78 |
| 156 | 811222225002 | ABISHEK C | I/AGRI | 28 | 85 | 19 | 76 | 80 |
| 157 | 811222225003 | AJITH V | I/AGRI | 29 | 88 | 18 | 72 | 80 |
| 158 | 811222225004 | AMARNATH P | I/AGRI | 28 | 85 | 18 | 72 | 78 |

T. Kalaivani

**VAC Coordinator**

**HoD/S&H**

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# CERTIFICATE OF PARTICIPATION

This is to certify that **MR. BALAMURUGAN M**, I Year, CSE has successfully completed the Value Added Course on **"COURSE ON MATLAB" Organized** by Department of Science and Humanities and IQAC of our Institution in Association with **Azatech Pvt Ltd** from 12th DEC 2022 to 16th DEC 2022 (5days) during the Academic year 2022-2023.

K. vivek

**AzatechPvt Ltd**
**Mr.K.Vivek**
**Managing Director.**

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**Principal**

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# CERTIFICATE OF PARTICIPATION

This is to certify that **MR. PRAKASHV**, I Year, AI&DS has successfully completed the Value Added Course on **"COURSE ON MATLAB" Organized** by Department of Science and Humanities and IQAC of our Institution in Association with **Azatech Pvt Ltd** from12th DEC 2022 to 16th DEC 2022 (5days) during the Academic year 2022-2023.

K.vivek

**AzatechPvt Ltd**
**Mr.K.Vivek**
**Managing Director.**

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**Principal**

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**Name of the Student :** Rajesh.k **Year/Sem:** I / II

**AU Register Number:** 811221108029

## Value Added Course

**"Course on Matlab"**

20/25

**MULTIPLE CHOICE QUESTIONS (25 X 4 = 100 Marks)**

**1. MATLAB stands for?**

a) matrix laboratory

b) math library

c) matric library

d) matrix library

**2. Which command is used to clear a command window?**

a) clear

b) close all

c) clc

d) clear all

**3. To determine whether an input is MATLAB keyword, command is?**

a) is keyword

b) key word

c) input word

d) isvarname

**4. Command used to display the value of variable x.**

a) displayx

b) disp(x)

c) disp x

d) vardisp('x')

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**5. Which of the following statements shows the result of executing the following line in the editor window?**

size = [13]'  size(size)

a) error
b) 1 3
c) 3 1
d) 3 3

**6. Executing in the command window the following code returns.**

a = [1:3]' size(a)

a) error message
b) 1 3
c) 3 1
d) 31

**7. Command is used to save command window text to file.**

a) saveas
b) texttofile
c) diary
d) todiary

**8. Executing in the editor window the following code returns.**

a = 1;  sin(a)  a = 2;

a) 0.4815
b) 0.8415
c) 1
d) 0.9093

**9. To stop the execution of a MATLAB command, used keys?**

a) ctrl+c
b) ctrl+s
c) ctrl+b
d) ctrl+enter

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**10. Which is the invalid variable name in MATLAB?**

a) x6

b) last

c) 6x

d) z

**11. What would be the output of the following code (in editor window)?**

A = [01; 10] ; B=2 ; C = A + B

a)

1 2

4 5

b)

2 3

3 2

c)

3 2

3 2

d)

3 2

2 3

**12. What would be the output of the following code (in editor window)?**

A = [102] ; b = [307] ; c=a.*b;

a) [2 0 21]

b) [3 0 14]

c) [14 0 3]

d) [7 0 3]

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**13. What would be the output of the following code (in editor window)?**

```
a=1:5     ;          c=a.^2
```

a) [1 25]

b) [1 2 3 4 5]

c) [25 16 9 4 1]

d) [1 4 9 16 25]

**14. What would be the output of the following code (in editor window)?**

```
A = [1     1          0          0]
B = [1     ;2         ;3         ;4]
C=A*B
```

a) 0

b) [1 0 0 0]

c) 3

d) [1 2 0 0]

**15. What would be the output of the following code (in editor window)?**

```
A = [1     2;         3          4]
C = A^2
```

a) [7 10; 15 22]

b) [1 4; 9 16]

c) [16 9; 4 1]

d) [22 15; 10 7]

**16. What would be the output of the following code (in editor window)?**

```
A=1:5;
B=cumprod(A)
```

a) b=[1 2 6 24 120]

b) b=[1 2 3 4 5]

c) b=[5 4 3 2 1]

d) b=[120 24 6 2 1]

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**17. Create an array of logical values.**

A = [true false true; true true false]
A = 101
110
B = cumprod(A,2)

**18. Find the cumulative product of the rows of A.**

a)

B = 1 0 0

0 1 0

b)

B = 1 0 0

1 1 0

c)

B = 1 0 0

1 1 1

d)

B = 1 1 0

1 1 0

A =147
258
369
B = cumsum(A)

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a)

B = 1 4 7

3 8 15

6 15 24

b)

B = 1 4 7

4 9 15

4 15 24

c)

B = 1 4 7

3 9 15

6 15 29

d)

B = 1 4 7

3 9 15

6 15 24

**19. Create a 4-by-2-by-3 array of ones and compute the sum along the third dimension.**

A = ones(4,2,3);
S = sum(A,3)

a)

S = 3 3

3 3

3 3

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3 3

b)

S = 3 4

3 4

3 4

3 4

c)

S = 2 3

2 3

2 3

2 3

d)

S = 7 3

5 3

6 3

3 3

**20. Round each value in a duration array to the nearest number of seconds greater than or equal to that value.**

```
t = hours(8) + minutes(29:31) + seconds(1.23);
t.Format = 'hh:mm:ss.SS'
t = 08:29:01.23   08:30:01.23   08:31:01.23
Y1 = ceil(t)
Y2 = ceil(t,'hours')
```

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a)

Y1 = 08:29:02.00 08:30:02.00 08:31:02.00

Y2 = 09:00:00.00 09:00:00.00 09:00:00.00

b)

Y1 = 08:29:02.00 08:30:02.00 08:31:02.00

Y2 = 08:29:01.23 08:30:01.23 08:31:01.23

c)

Y1 = 08:29:01.23 08:30:01.23 08:31:01.23

Y2 = 08:29:01.23 08:30:01.23 08:31:01.23

d)

Y1 = 008:29:01.23 08:30:01.23 08:31:01.23

Y2 = 09:00:00.00 09:00:00.00 09:00:00.00

**21. What would be the output of the following code (in editor window)?**

X = [1.4+2.3i3.1-2.2i -5.3+10.9i]
X = 1.4000 + 2.3000i3.1000 - 2.2000i -5.3000+10.9000i
Y = fix(X)

a) Y = 1.0000 + 2.0000i 3.0000 – 4.0000i -5.0000 +10.0000i
b) Y = 2.0000 + 3.0000i 3.1000 – 2.2000i -5.3000 +10.9000i
c) Y = 1.0000 + 2.0000i 3.0000 – 2.0000i -5.0000 +10.0000i
d) Y = 2.0000 + 3.0000i 3.1000 – 2.2000i -5.3000 +10.9000i

**22. Compute 24 modulo 5.**

b = mod(24,5)

a) b = 3
b) b =4
c) b =5

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d) b =6

**23. What would be the output of the following code (in editor window)?**

```
X = [123;456;789];
Y = [987;654;321];
R = rem(X,Y)
```

a)

```
R = 1   2   1
    4   0   9
    1   0   0
```

b)

```
R = 1   2   3
    3   0   2
    1   0   0
```

c)

```
R = 1   2   3
    4   1   2
    1   1   0
```

d)

```
R = 1   2   3
    4   0   2
    1   0   0
```

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**24. If one operand is a scalar and the other is not, then MATLAB applies the scalar to every element of the other operand. This property is known as _____**

a) operand divergence

b) scalar expansion

c) vector expansion

d) dimension declaration

**25. What happens if we don't assign a variable to an expression which evaluates a numerical value?**

a) MATLAB shows error

b) Nothing happens

c) The evaluated values are assigned to a variable automatically

d) Depends on the numerical value

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