



# 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 DVV DOCUMENTS

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**QUALITY INDICATOR FRAME WORK**

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**CRITERION – 1**

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**CURRICULAR ASPECTS**

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SUBMITTED BY

**IQAC**

INTERNAL QUALITY ASSURANCE CELL

**INDRA GANESAN COLLEGE OF ENGINEERING**





**Dr. G. Balakrishnan, M.E. Ph.D.,**  
Principal

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### TO WHOMSOEVER IT MAY CONCERN

This is to certify that the percentage of students (without duplicate entries) participated in the value added courses conducted during the last five years is 84.34% and the student's participation details are as follows

2022 – 2023	2021 – 2022	2020 – 2021	2019 – 2020	2019 - 2018
561	565	484	526	719

**Dr. G. Balakrishnan, M.E., Ph.D.,**  
Principal

Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
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Criteria 1

Curricular Aspects

100

## DVV CLARIFICATIONS RESPONSE

**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**

**1.2.2.1 Number 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**

### Findings of DVV:

Please provide a list of students enrolled in the program, categorized by each year as described in 1.2.1. Also share attendance records for participating students, along with certificate.

### HEI Response:

Respected and Honourable DVV partner, As per DVV Clarifications received, the following documents are submitted in supporting document for the metric 1.2.2 under criteria-1 as per SSR for your kind perusal

- HEI provided a list of students enrolled in each program and categorized by each year as described in 1.2.1 and also shared the attendance records for participating students along with certificate for the 80 value-added programs conducted by our Institution



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during the assessment years in the supporting document under link number 01 to 80 for your kind consideration as per the following details.

- a. 2022-23, 561 out of 670 students were participated in 16 value-added programs conducted and its documents are included under link number 01 to 16.
- b. 2021-22, 565 out of 601 students were participated in 16 value-added programs conducted and its documents are included under link number 17 to 32.
- c. 2020-21, 484 out of 646 students were participated in 16 value-added programs conducted and its documents are included under link number 33 to 48.
- d. 2019-20, 526 out of 628 students were participated in 16 value-added programs conducted and its documents are included under link number 49 to 64.
- e. 2018-19, 719 out of 840 students were participated in 16 value-added programs conducted and its documents are included under link number 65 to 80.

### **Supporting Documents**

The response to the DVV clarification supporting documents pertaining to the metric 1.2.2 was exceeded more than 5 MB and uploaded in the institution's website. Hence, please click the below link to download and view the supporting documents.



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## Table of Content

### Academic Year (2022-2023)

Link No.	Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Year of offering/Study	Period (from date - to date)	Durati on of course in Hrs	Number of students enrolled in the year	Number of Students completing the course in the year	Supporting Documents
1.	Vertical Farming	2022-2023 ODD/ CIVIL-II, III & IV Year	01.08.2022 to 5.8.2022	30	24	24	<a href="#">View</a>
2.	Angular JS	2022-2023 ODD/CSE&AI&DS-II, III, IV Year	19.12.2022 to 24.12.2022	36	100	100	<a href="#">View</a>
3.	Power grid Protection	2022-2023 ODD/EEE-II, III & III Year	30.01.2023 to 03.02.2023	30	32	32	<a href="#">View</a>
4.	Introduction to Robotics	2022-2023 ODD/ECE-II, III & IV Year	30.01.2023 to 03.02.2023	30	47	47	<a href="#">View</a>
5.	Mechanical electrical Plumbing Method	2022-2023 ODD/MECH-II, III & IV Year	05.12.2022 to 09.12.2022	30	45	45	<a href="#">View</a>
6.	Speech Recognition Technology in Natural Network	2022-2023 ODD/IT-II, III & IV Year	19.12.2022 to 23.12.2022	30	90	90	<a href="#">View</a>
7.	Course on Matlab	2022-2023 ODD/ S&H- I Year	12.12.2023 to 16.12.2023	30	158	158	<a href="#">View</a>
8.	Excel For Business analytics	2022-2023 ODD/ MBA- I & II Year	14.11.2022 to 18.11.2022	30	65	65	<a href="#">View</a>
9.	Hydroponics	2022-2023 EVEN/ CIVIL-II, III & IV Year	01.08.2023 to 05.08.2023	30	24	24	<a href="#">View</a>
10.	Ruby on Rails	2022-2023 EVEN/CSE&AI&DS-II, III, IV Year	12.06.2023 to 17.06.2023	36	100	100	<a href="#">View</a>
11.	Electrical safety & maintenance	2022-2023 EVEN/EEE-II, III & III Year	01.08.2023 to 05.08.2023	30	32	32	<a href="#">View</a>
12.	Fiber Optic System Design and Simulation	2022-2023 EVEN/ECE-II, III & IV Year	31.07.2023 to 04.08.2023	30	47	47	<a href="#">View</a>
13.	Heat ventilation air conditioning technology	2022-2023 EVEN/MECH-II, III & IV Year	22.05.2023 to 27.05.2023	30	48	48	<a href="#">View</a>
14.	Application of Image Processing in Information Technology	2022-2023 EVEN/IT-II, III & IV Year	28.03.2023 to 01.04.2023	30	90	90	<a href="#">View</a>
15.	Course on Latex	2022-2023 EVEN/ S&H- I Year	15.05.2023 to 19.05.2023.	30	158	158	<a href="#">View</a>
16.	Statistical Analysis and its Interpretation using AMOS	2022-2023 EVEN/ MBA- I & II Year	03.04.2023 to 07.04.2023	30	23	23	<a href="#">View</a>

## Table of Content



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17.	Project Management in Primavera	2021-2022 ODD/ CIVIL-II,III & IV Year	10.08.2021 to 14.08.2021	30	25	25	<a href="#">View</a>
18.	Ethical Hacking	2021-2022 ODD/CSE-II, III, IV Year	13.12.2021 to 18.12.2021	36	96	96	<a href="#">View</a>
19.	Electrochemical Energy Storage	2021-2022 ODD/EEE-II ,III & III Year	07.03.2022 to 11.03.2022	30	38	38	<a href="#">View</a>
20.	Lab view	2021-2022 ODD/ECE-II, III & IV Year	01.03.2022 to 05.03.2023	30	53	53	<a href="#">View</a>
21.	Solid state Joining Technologies	2021-2022 ODD/MECH-II, III & IV Year	13.12.2021 to 18.12.2021	30	43	43	<a href="#">View</a>
22.	Manipulation of Nano Technology in Materials	2021-2022 ODD/IT-II, III & IV Year	13.12.2021 to 17.12.2021	30	75	75	<a href="#">View</a>
23.	Basic of electrical, plumbing & two wheeler mechanism	2021-2022 ODD/ S&H- I Year	13.12.2021 to 17.12.2021	30	152	152	<a href="#">View</a>
24.	Business Etiquette's For Managers	2021-2022 ODD/ MBA- I & II Year	18.10.2021 to 22.10.2021	30	26	26	<a href="#">View</a>
25.	STAAD PRO	2021-2022 EVEN/ CIVIL-II,III & IV Year	07.03.2021 to 11.03.2021	30	25	25	<a href="#">View</a>
26.	Django Framework	2021-2022 EVEN/CSE-II, III, IV Year	06.06.2022 to 11.06.2022	36	96	96	<a href="#">View</a>
27.	Automation using PLC and SCADA	2021-2022 EVEN/EEE-II ,III & III Year	01.08.2022 to 05.08.2022	30	38	38	<a href="#">View</a>
28.	Introduction to Machine Learning	2021-2022 EVEN/ECE-II, III & IV Year	01.08.2022 to 05.08.2022	30	52	52	<a href="#">View</a>
29.	Graphene Battery Technologies	2021-2022 EVEN/MECH-II, III & IV Year	06.06.2022 to 11.06.2022	30	69	69	<a href="#">View</a>
30.	Deep Learning in Cyber Security	2021-2022 EVEN/IT-II, III & IV Year	14.02.2022 to 18.02.2022	30	75	75	<a href="#">View</a>
31.	Digital marketing	2021-2022 EVEN/ S&H- I Year	09.05.2022 to 13.05.2022	30	152	152	<a href="#">View</a>
32.	Understanding and Preparation of Payroll	2021-2022 EVEN/ MBA- I & II Year	18.04.2022 to 22.04.2022	30	58	58	<a href="#">View</a>



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## Table of Content

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33.	Advanced Surveying	2020-2021 ODD/ CIVIL-II,III & IV Year	08.02.2021 to 12.02.2021	30	25	25	<a href="#">View</a>
34.	Machine Learning With R	2020-2021 ODD/CSE-II, III, IV Year	14.12.2020 to 18.12.2020	30	82	82	<a href="#">View</a>
35.	IoT-Raspberry Pi	2020-2021 ODD/EEE-II ,III & III Year	08.02.2021 to 12.02.2021	30	46	46	<a href="#">View</a>
36.	Arduino Programming	2020-2021 ODD/ECE-II, III & IV Year	01.02.2021 to 05.02.2021	30	53	53	<a href="#">View</a>
37.	Master CAM	2020-2021 ODD/MECH-II, III & IV Year	07.12.2020 to 11.12.2020	30	37	37	<a href="#">View</a>
38.	“F&B Development in Full Stack”	2020-2021 ODD/IT-II, III & IV Year	05.10.2020 to 09.10.2020	30	63	63	<a href="#">View</a>
39.	Climate change	2020-2021 ODD/ S&H- I Year	7.12.2020 to 11.12.2020	30	145	145	<a href="#">View</a>
40.	Performance Management System With Case Studies	2020-2021 ODD/ MBA- I & II Year	18.10.2020 to 22.10.2020	30	28	28	<a href="#">View</a>
41.	Building Information Modeling	2020-2021 EVEN/ CIVIL-II,III & IV Year	09.08.2021 to 13.08.2021	30	25	25	<a href="#">View</a>
42.	Big Data Analytics	2020-2021 EVEN/CSE-II, III, IV Year	14.06.2021 to 18.06.2021	30	82	82	<a href="#">View</a>
43.	Solar Photo Voltaic System Design	2020-2021 EVEN/EEE-II ,III & III Year	09.08.2021 to 13.08.2021	30	44	44	<a href="#">View</a>
44.	Solar Photo Voltaic System Design	2020-2021 EVEN/EEE-II ,III & III Year	09.08.2021 to 13.08.2021	30	53	53	<a href="#">View</a>
45.	Application of NX CAD	2020-2021 EVEN/MECH-II, III & IV Year	07.06.2021 to 11.06.2021	30	46	46	<a href="#">View</a>
46.	Handling of Tools and Technology for Disaster	2020-2021 EVEN/IT-II, III & IV Year	16.03.2021 to 20.03.2021	30	63	63	<a href="#">View</a>
47.	Android app development	2020-2021 EVEN / S&H- I Year	8.05.2021 to 12.05.2021	30	145	145	<a href="#">View</a>
48.	Advanced Accounting Package with GST	2020-2021 EVEN/ MBA- I & II Year	11.02.2021 to 15.02.2021	30	26	26	<a href="#">View</a>



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49.	Estimation and Current Practices in Civil Engineering	2019-2020 ODD/ CIVIL-II, III & IV Year	09.12.2019 to 13.12.2019	30	44	44	<a href="#">View</a>
50.	PHP	2019-2020 ODD/CSE-II, III, IV Year	16.12.2019 to 20.12.2019	30	99	99	<a href="#">View</a>
51.	Automation and Robotics	2019-2020 ODD/EEE-II, III & III Year	09.12.2019 to 13.12.2019	30	63	63	<a href="#">View</a>
52.	PIC Microcontroller and ARM Processor	2019-2020 ODD/ECE-II, III & IV Year	02.12.2019 to 06.12.2019	30	72	72	<a href="#">View</a>
53.	Evaluation of CREO	2019-2020 ODD/MECH-II, III & IV Year	09.12.2019 to 13.12.2019	30	41	41	<a href="#">View</a>
54.	Cloud Service Management Tool	2019-2020 ODD/IT-II, III & IV Year	26.11.2019 to 30.11.2019	30	73	73	<a href="#">View</a>
55.	Multimedia design	2019-2020 ODD/ S&H- I Year	16.12.2019 to 20.12.2019	30	78	78	<a href="#">View</a>
56.	ERP Basics and Its Applicability in Modern Era	2019-2020 ODD/ MBA- I & II Year	24.06.2019 to 28.06.2019	30	42	42	<a href="#">View</a>
57.	Safety in Construction	2019-2020 EVEN/ CIVIL-II, III & IV Year	20.07.2020 to 24.07.2020	30	44	44	<a href="#">View</a>
58.	Augmented Reality and Virtual Reality	2019-2020 EVEN/CSE-II, III, IV Year	22.06.2020 to 27.06.2020	30	99	99	<a href="#">View</a>
59.	Smart Grid Technology	2019-2020 EVEN/EEE-II, III & III Year	20.07.2020 to 24.07.2020	30	63	63	<a href="#">View</a>
60.	Smart Grid Technology	2019-2020 EVEN/EEE-II,III & III Year	20.07.2020 to 24.07.2020	30	72	72	<a href="#">View</a>
61.	External Aerodynamics simulations	2019-2020 EVEN/MECH-II, III & IV Year	01.06.2019 to 05.06.2019	30	65	65	<a href="#">View</a>
62.	Smart Computing Technologies in IOT	2019-2020 EVEN/IT-II, III & IV Year	25.05.2020 to 29.05.2020	30	77	77	<a href="#">View</a>
63.	Recent development in nanotechnology	2019-2020 EVEN/ S&H- I Year	11.05.2020 to 15.05.2020	30	78	78	<a href="#">View</a>
64.	Special Training on Digital Marketing	2019-2020 EVEN/ MBA- I & II Year	06.01.2020 to 10.01.2020	30	28	28	<a href="#">View</a>





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65.	Revit Architecture	2018-2019 ODD/ CIVIL-II, III & IV Year	19.06.2018 to 23.06.2018	30	70	70	<a href="#">View</a>
66.	Data Mining	2018-2019 ODD/CSE-II, III, IV Year	17.12.2018 to 22.12.2018	36	115	115	<a href="#">View</a>
67.	Electrical Machine Design, Winding, Assembling, & Dismantling.	2018-2019 ODD/EEE-II, III & III Year	10.12.2018 to 14.12.2018	30	92	92	<a href="#">View</a>
68.	PCB Designing	2018-2019 ODD/ECE-II, III & IV Year	10.12.2018 to 14.12.2018	30	72	72	<a href="#">View</a>
69.	Introduction to CAD, CAM & Practical CNC Machining	2018-2019 ODD/MECH-II, III & IV Year	05.11.2018 to 09.11.2018	30	106	106	<a href="#">View</a>
70.	Future of AI&ML in Information Technology	2018-2019 ODD/IT-II, III & IV Year	17.12.2018 to 22.12.2018	36	80	80	<a href="#">View</a>
71.	Computer Fundamentals	2018-2019 ODD/ S&H- I Year	10.12.2018 to 14.12.2018	30	123	123	<a href="#">View</a>
72.	Managerial Accounting Using Tally	2018-2019 ODD/ MBA- I & II Year	25.06.2018 to 26.06.2018	30	61	61	<a href="#">View</a>
73.	Importance of Software in Civil Engineering	2018-2019 EVEN/ CIVIL-II, III & IV Year	10.12.2018 to 14.12.2018	30	70	70	<a href="#">View</a>
74.	C#	2018-2019 EVEN/CSE-II, III, IV Year	10.06.2019 to 15.06.2019	36	115	115	<a href="#">View</a>
75.	Develop and Implement of Renewable Energy system using Matlab	2018-2019 EVEN/EEE-II, III & III Year	24.06.2019 to 28.06.2019	30	92	92	<a href="#">View</a>
76.	RASPBERRY PI	2018-2019 EVEN/ECE-II, III & IV Year	17.06.2019 to 21.06.2019	30	72	72	<a href="#">View</a>
77.	Model Based System Engineering	2018-2019 EVEN/MECH-II, III & IV Year	11.06.2019 to 15.06.2019	30	106	106	<a href="#">View</a>
78.	Android App Development	2018-2019 EVEN/IT-II, III & IV Year	08.04.2019 to 13.04.2019	36	80	80	<a href="#">View</a>
79.	An advance approach to web designing	2018-2019 EVEN/ S&H- I Year	13.05.2019 to 17.05.2019	30	123	123	<a href="#">View</a>
80.	Enrichment Programme on Personality for Entrepreneurship	2018-2019 EVEN/ MBA- I & II Year	17.12.2018 to 22.12.2018	30	61	61	<a href="#">View</a>