



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

QUALITY INDICATOR FRAME WORK

CRITERION – 1

CURRICULAR ASPECTS

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

INDRA GANESAN COLLEGE OF ENGINEERING





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

TO WHOMSOEVER IT MAY CONCERN

This is to certify that 80 value added courses were offered during the last five years.

2022 – 2023	2021 – 2022	2020 – 2021	2019 – 2020	2019 - 2018
16	16	16	16	16


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

1.2.1 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)

Findings of DVV:

Please provide information about each program, including its name, duration of the program, a list of students who have enrolled along with name and signature of students, curriculum of the program and assessment procedures year by year

HEI Response:

Respected and Honourable DVV partner, the following documents are submitted in the supporting document for kind consideration in validating the data submitted under criteria-1 for the metric 1.2.1 as per SSR.

- HEI provided the information about 80 value-added programs conducted by our Institution during the assessment years in the supporting document under link number 01 to 80 for your kind consideration. The information about each program including its name, duration of the program, a list of students who have enrolled along with name and signature of students, curriculum



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(syllabus) of the program and assessment procedures year by year as per the following details in the supporting document for your kind perusal.

- a. 2022-23, 16 value-added programs were conducted and its documents are included under link number 01 to 16.
- b. 2021-22, 16 value-added programs were conducted and its documents are included under link number 17 to 32.
- c. 2020-21, 16 value-added programs were conducted and its documents are included under link number 33 to 48.
- d. 2019-20, 16 value-added programs were conducted and its documents are included under link number 49 to 64.
- e. 2018-19, 16 value-added programs were 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 1.2.1 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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Academic Year (2022-2023)

Link No.	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year	Supporting Documents
1.	Vertical Farming	2022-2023 ODD/ AGRI & CIVIL-II, III Year	1	30	24	24	View
2.	Angular JS	2022-2023 ODD/CSE&AI&DS-II, III, IV Year	1	36	100	100	View
3.	Power grid Protection	2022-2023 ODD/EEE-II, III & IV Year	1	30	32	32	View
4.	Introduction to Robotics	2022-2023 ODD/ECE-II, III & IV Year	1	30	47	47	View
5.	Mechanical, Electrical and Plumbing Methods	2022-2023 ODD/MECH-II, III & IV Year	1	30	45	45	View
6.	Speech Recognition Technology in Natural Network	2022-2023 ODD/IT-II, III & IV Year	1	30	90	90	View
7.	Course on Matlab	2022-2023 ODD/ S&H- I Year	1	30	158	158	View
8.	Excel For Business Analytics	2022-2023 ODD/ MBA- I & II Year	1	30	65	65	View
9.	Hydroponics	2022-2023 EVEN/ AGRI & CIVIL-II, III & IV Year	1	30	24	24	View
10.	Ruby on Rails	2022-2023 EVEN/CSE&AI&DS-II, III, IV Year	1	36	100	100	View
11.	Electrical safety & maintenance	2022-2023 EVEN/EEE-II, III & IV Year	1	30	32	32	View
12.	Fiber Optic System Design and Simulation	2022-2023 EVEN/ECE-II, III & IV Year	1	30	47	47	View
13.	Heat ventilation air conditioning	2022-2023 EVEN/MECH-II, III & IV Year	1	30	48	48	View
14.	Application of Image Processing in Information Technology	2022-2023 EVEN/IT-II, III & IV Year	1	30	90	90	View
15.	Course on Latex	2022-2023 EVEN/ S&H- I Year	1	30	158	158	View
16.	Structural Equation Model (SEM) and CFA - Average Variance Extracted (AVE) using AMOS	2022-2023 EVEN/ MBA- I & II Year	1	30	23	23	View



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17.	Project Management in Primavera	2021-2022 ODD/ CIVIL-II,III & IV Year	1	30	25	25	View
18.	Ethical Hacking	2021-2022 ODD/CSE-II, III, IV Year	1	36	96	96	View
19.	Electrochemical Energy Storage	2021-2022 ODD/EEE-II,III & IV Year	1	30	38	38	View
20.	Lab view	2021-2022 ODD/ECE-II, III & IV Year	1	30	53	53	View
21.	Solid state Joining Technologies	2021-2022 ODD/MECH-II, III & IV Year	1	30	43	43	View
22.	Manipulation of Nano Technology in Materials	2021-2022 ODD/IT-II, III & IV Year	1	30	75	75	View
23.	Basic of electrical, plumbing & two wheeler mechanism	2021-2022 ODD/ S&H- I Year	1	30	152	152	View
24.	Preparation of Payroll for an Organisation	2021-2022 ODD/ MBA- I & II Year	1	30	26	26	View
25.	STAAD PRO	2021-2022 EVEN/ CIVIL-II, III & IV Year	1	30	25	25	View
26.	Django Framework	2021-2022 EVEN/CSE-II, III, IV Year	1	36	96	96	View
27.	Automation using PLC and SCADA	2021-2022 EVEN/EEE-II, III & IV Year	1	30	38	38	View
28.	Introduction to Machine Learning	2021-2022 EVEN/ECE-II, III & IV Year	1	30	52	52	View
29.	Graphene Battery Technologies	2021-2022 EVEN/MECH-II, III & IV Year	1	30	69	69	View
30.	Deep Learning in Cyber Security	2021-2022 EVEN/IT-II, III & IV Year	1	30	75	75	View
31.	Digital marketing	2021-2022 EVEN/ S&H- I Year	1	30	152	152	View
32.	Etiquettes for Managers	2021-2022 EVEN/ MBA- I & II Year	1	30	58	58	View



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33.	Advanced Surveying	2020-2021 ODD/ CIVIL-II,III & IV Year	1	30	25	25	View
34.	Machine Learning With R	2020-2021 ODD/CSE-II, III, IV Year	1	30	82	82	View
35.	IoT-Raspberry Pi	2020-2021 ODD/EEE-II,III & IV Year	1	30	46	46	View
36.	Arduino Programming	2020-2021 ODD/ECE-II, III & IV Year	1	30	53	53	View
37.	Master CAM	2020-2021 ODD/MECH-II, III & IV Year	1	30	37	37	View
38.	F&B Development in Full Stack	2020-2021 ODD/IT-II, III & IV Year	1	30	63	63	View
39.	Climate change	2020-2021 ODD/ S&H- I Year	1	30	145	145	View
40.	Advanced Accounting Package with GST	2020-2021 ODD/ MBA- I & II Year	1	30	28	28	View
41.	Building Information Modeling	2020-2021 EVEN/ CIVIL-II, III & IV Year	1	30	25	25	View
42.	Big Data Analytics	2020-2021 EVEN/CSE-II, III, IV Year	1	30	82	82	View
43.	Solar PhotoVoltaic System Design	2020-2021 EVEN/EEE-II, III & IV Year	1	30	44	44	View
44.	PLC and Industrial Networking	2020-2021 EVEN/ECE-II, III & IV Year	1	30	53	53	View
45.	Application of NX-CAD	2020-2021 EVEN/MECH-II, III & IV Year	1	30	46	46	View
46.	Handling of Tools and Technology for Disaster	2020-2021 EVEN/IT-II, III & IV Year	1	30	63	63	View
47.	Android app development	2020-2021 EVEN/ S&H- I Year	1	30	145	145	View
48.	Performance Management System with Case Studies	2020-2021 EVEN/ MBA- I & II Year	1	30	26	26	View



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49.	Estimation and Current Practices in Civil Engineering	2019-2020 ODD/ CIVIL-II, III & IV Year	1	30	44	44	View
50.	PHP	2019-2020 ODD/CSE-II, III, IV Year	1	30	99	99	View
51.	Automation and Robotics	2019-2020 ODD/EEE-II, III & IV Year	1	30	63	63	View
52.	PIC Microcontroller and ARM Processor	2019-2020 ODD/ECE-II, III & IV Year	1	30	72	72	View
53.	Evaluation of CREO	2019-2020 ODD/MECH-II, III & IV Year	1	30	41	41	View
54.	Cloud Service Management Tools	2019-2020 ODD/IT-II, III & IV Year	1	30	73	73	View
55.	Multimedia design	2019-2020 ODD/ S&H- I Year	1	30	78	78	View
56.	Special Training on Digital Marketing	2019-2020 ODD/ MBA- I & II Year	1	30	42	42	View
57.	Safety in Construction	2019-2020 EVEN/ CIVIL-II, III & IV Year	1	30	44	44	View
58.	Agumented Reality and Virtual Reality	2019-2020 EVEN/CSE-II, III, IV Year	1	30	99	99	View
59.	Smart Grid Technology	2019-2020 EVEN/EEE-II, III & IV Year	1	30	63	63	View
60.	Internet of things	2019-2020 EVEN/ECE-II, III & IV Year	1	30	72	72	View
61.	External Aerodynamics simulations	2019-2020 EVEN/MECH-II, III & IV Year	1	30	65	65	View
62.	Smart Computing Technologies in IOT	2019-2020 EVEN/IT-II, III & IV Year	1	30	77	77	View
63.	Recent development in nanotechnology	2019-2020 EVEN/ S&H- I Year	1	30	78	78	View
64.	ERP Basics and Its Applicability in Modern Era	2019-2020 EVEN/ MBA- I & II Year	1	30	28	28	View



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Link No.	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year	Supporting Documents
65.	Revit Architecture	2018-2019 ODD/ CIVIL-II, III & IV Year	1	30	70	70	View
66.	Data Mining	2018-2019 ODD/CSE-II, III, IV Year	1	36	115	115	View
67.	Electrical Machine Design, Winding, Assembling, & Dismantling	2018-2019 ODD/EEE-II, III & IV Year	1	30	92	92	View
68.	PCB Designing	2018-2019 ODD/ECE-II, III & IV Year	1	30	72	72	View
69.	Introduction to CAD/CAM and Practical CNC Machining	2018-2019 ODD/MECH-II, III & IV Year	1	30	106	106	View
70.	Future of AI&ML in Information Technology	2018-2019 ODD/IT-II, III & IV Year	1	36	80	80	View
71.	Computer Fundamentals	2018-2019 ODD/ S&H- I Year	1	30	123	123	View
72.	Enrichment Programme on Personality for Entrepreneurship	2018-2019 ODD/ MBA- I & II Year	1	30	61	61	View
73.	Importance of Software in Civil Engineering	2018-2019 EVEN/ CIVIL-II, III & IV Year	1	30	70	70	View
74.	C#	2018-2019 EVEN/CSE-II, III, IV Year	1	36	115	115	View
75.	Develop and Implement of Renewable Energy system using Matlab	2018-2019 EVEN/EEE-II, III & IV Year	1	30	92	92	View
76.	RASPBERRY PI	2018-2019 EVEN/ECE-II, III & IV Year	1	30	72	72	View
77.	Model Based System Engineering	2018-2019 EVEN/MECH-II, III & IV Year	1	30	106	106	View
78.	Android App Development	2018-2019 EVEN/IT-II, III & IV Year	1	36	80	80	View
79.	An advance approach to web designing	2018-2019 EVEN/ S&H- I Year	1	30	123	123	View
80.	Managerial Accounting Using Tally	2018-2019 EVEN/ MBA- I & II Year	1	30	61	61	View