

**DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION  
ENGINEERING**

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### Course Outcome Attainment

Programme: 013

AcademicYear: 2022-2023

Batch: 2019-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XMA101	Calculus and Linear Algebra	CO1	60	2	No
		CO2	60	1	No
		CO3	60	1	No
		CO4	60	1	No
		CO5	60	1	No
XCP102	Programming for Problem Solving	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	2	No
XGS103	English	CO1	60	1	No
		CO2	60	1	No
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XAC104	Applied Chemistry for Engineers	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	2	No
XWP105	Workshop Practices	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XMA201	Calculus, Ordinary Differential Equations and Complex Variable	CO1	60	3	Yes
		CO2	60	0	No
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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**Course Outcome Attainment**

Programme: 013

AcademicYear: 2022-2023

Batch: 2019-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XES202	Environmental Sciences	CO1	60	3	Yes
		CO2	60	1	No
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	2	No
XBE203	Electrical and Electronics Engineering Systems	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	2	No
		CO5	60	2	No
XAP204	Applied Physics for Engineers	CO1	60	3	Yes
		CO2	60	2	No
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	2	No
XEG205	Engineering Graphics	CO1	60	0	No
		CO2	60	0	No
		CO3	60	0	No
		CO4	60	0	No
		CO5	60	0	No
XMA301	Transforms and Partial Differential Equations	CO1	60	2	No
		CO2	60	2	No
		CO3	60	1	No
		CO4	60	1	No
		CO5	60	1	No
XEC302	Electronic Devices	CO1	60	0	No
		CO2	60	2	No
		CO3	60	3	Yes
		CO4	60	2	No
		CO5	60	2	No

  
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### Course Outcome Attainment

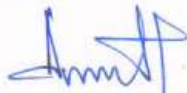
Programme: 013

AcademicYear: 2022-2023

Batch: 2019-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XEC303	Digital System Design	CO1	60	2	No
		CO2	60	0	No
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	2	No
XEC304	Signals and Systems	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	2	No
XUM305	Entrepreneurship Development	CO1	60	2	No
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	0	No
		CO5	60	3	Yes
XUM306	Constitution of India	CO1	60	2	No
		CO2	60	2	No
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	1	No
XEC307	Network Theory	CO1	60	3	Yes
		CO2	60	1	No
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	0	No
XEC308	Electronics Devices and Networks Lab	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

  
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### Course Outcome Attainment


Programme: 013

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Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XEC309	Digital System Design Lab	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEC410	Microprocessors and Microcontrollers Lab	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEC401	Probability Theory and Stochastic Processes	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XUM402	Total Quality Management	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XUM403	Human ethics, values, rights and gender equality	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEC404	Electro dynamics and Electromagnetic Waves	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	2	No

  
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**Course Outcome Attainment**

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Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XEC405	Transmission Lines and Waveguides	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEC406	Analog Communication	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	0	No
		CO4	60	2	No
		CO5	60	1	No
XEC407	Electronic Circuits	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEC408	Microprocessors and Microcontrollers	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	2	No
		CO5	60	3	Yes
XEC409	Electronic Circuits lab	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEC510	Digital Signal Processing Lab	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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**Course Outcome Attainment**

Programme: 013

AcademicYear: 2022-2023

Batch: 2019-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XEC501	Analog Integrated Circuits	CO1	60	1	No
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	2	No
XEC502	Digital Communication	CO1	60	2	No
		CO2	60	2	No
		CO3	60	0	No
		CO4	60	0	No
		CO5	60	0	No
XEC503	Computer Architecture and Organisation	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEC504	Digital Signal Processing	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	2	No
XGS507	Effective Technical Communication	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEC508	Analog Integrated Circuits Lab	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

  
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**Course Outcome Attainment**


**Programme:** 013

**AcademicYear:** 2022-2023

**Batch:** 2019-2023

**Section:** A

Course Code	Course Name	CO	Target %	Level	Attained
XEC509	Analog and Digital Communication Lab	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XUM601	Economics for Engineers	CO1	60	2	No
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	0	No
		CO5	60	3	Yes
XEC602	Control Systems	CO1	60	2	No
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEC603	Antennas and Wave Propagation	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XUM606	Disaster Management	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEC607	VLSI Design and Embedded Systems	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

  
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### Course Outcome Attainment


Programme: 013

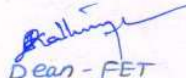
AcademicYear: 2022-2023

Batch: 2019-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XEC608	VLSI Design and Embedded Systems Lab	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEC609	Mini Project	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XUM701	Cyber Security	CO1	60	3	Yes
		CO2	60	2	No
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEC702	Microwave Engineering and Fiber Optic Communication	CO1	60	3	Yes
		CO2	60	2	No
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	0	No
XEC703C	Internet of things	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	0	No
		CO5	60	1	No
XEC704A	Wireless Communications	CO1	60	2	No
		CO2	60	0	No
		CO3	60	3	Yes
		CO4	60	2	No
		CO5	60	0	No

  
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**Course Outcome Attainment**


Programme: 013 Academic Year: 2022-2023  
 Batch: 2019-2023 Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XEC706	Microwave Engineering and Fiber Optic Communication Lab	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEC707	Project Work Phase - I	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEC708	In Plant Training – 3	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XEC801C	Digital Image Processing	CO1	60	3	Yes
		CO2	60	0	No
		CO3	60	1	No
		CO4	60	0	No
		CO5	60	0	No
XEC804	Project Work Phase – II	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes



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 Periyar Nagar, Vallam, Thanjavur - 613 403.

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**Dean Academic,**  
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 Thanjavur-613 403, Tamilnadu.

**Overall PO Attainment Report**

Programme: 013      Academic Year: 2022-2023  
 Batch: 2019-2023      Section: A

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	XMA101	1.2	0.7	0	0	0.5	0	0	0	0	0.4	0	0.6	0.3	0.3
2	XCP102	2	1.6	0.4	0.5	1.8	0	0	0.1	0	0.3	1.6	2	0.4	0
3	XGS103	0.9	0	0	0	0	0	0.7	0	0.5	0	0	0	0	0
4	XAC104	2.9	0	0	0	0	0	1.5	2.1	2.2	0	0	0.6	0	0
5	XWP105	2	1	2	2	1	0	0	1	1	0	1	2	0	0
6	XMA201	2.4	1.4	0	0	0.6	0	0	0	0	0.8	0	1.2	0	0
7	XES202	1.1	1	0	0	0.8	0	0	0	0	1.1	0	0	0	0
8	XBE203	2.1	2.1	1.1	0.9	1.1	1.1	0.5	0.5	0.9	0.9	0.9	0	0	0
9	XAP204	2.2	0.9	1.3	0.9	0.6	0	0	0	0.6	0	0	0.7	0	0
10	XEG205	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	XMA301	1.2	0.3	0	0	0.1	0	0	0	0	0.4	0.1	0.5	0	0
12	XEC302	1.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0	0	0	0.5	0	0
13	XEC303	1.3	1.3	1.2	0.8	0.8	0.7	0.5	0.5	0	0	0	0.8	0	0.1

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Overall PO Attainment Report



Programme: 013  
 Batch: 2019-2023  
 Academic Year: 2022-2023

		Section: A																
14	XEC304	2.3	2.3	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0	0	0	0	0	0.8	0	0
15	XUM305	0	0	0.2	0.4	0.6	0.7	0.4	1.2	1.2	1.2	1.4	1.2	1.1	0	0	0	0
16	XUM306	1.2	0.1	0	0.6	0	0	0	0.2	0.3	0	0	0	0.3	0	0	0	0
17	XEC307	1.7	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0	0	0	0	0.6	0	0	0	0
18	XEC308	2.5	2.5	2.5	2.5	1.7	1.7	1.7	0.8	1.7	1.7	1.7	0.8	1.7	0.2	0.2	0.2	0.2
19	XEC309	2.5	2.5	2.5	2.5	1.7	1.7	1.7	0.8	1.7	1.7	1.7	0.8	1.7	0	0.2	0.2	0.2
20	XEC410	2.6	2.2	1.6	1.6	1.6	1.2	1.2	0.6	1.6	1.6	0.6	0.6	1.6	0	0	0	0
21	XEC401	3	2	1	0.6	0.4	0.4	0.2	0	1	1	0.4	1	0	0	0	0	0
22	XUM402	1.4	0	0	1.4	1.4	1	0.2	0.8	0.8	0.8	0.8	0	0.6	0	0	0	0
23	XUM403	1	0	0	0	1	0	0	2.6	0.6	0.8	0.8	0	0.4	0	0	0	0
24	XEC404	1.9	1.5	2.3	1.9	0.9	0.9	0.9	0.9	0	0	0	0	1.9	0	0	0	0
25	XEC405	2	1.6	2	1.6	1	1	1	0.2	0	0	0	0	1	0	0	0	0
26	XEC406	1.2	1.2	1.2	1.1	0.6	0.6	0.6	0.6	0	0	0	0	0.6	0.4	0.4	0.4	0.4
27	XEC407	2.6	2.6	2	1.6	1	1	1	1	0	0	0	0	1	0	0	0	0
28	XEC408	2.4	2.3	1.9	1.5	0.9	0.9	0.9	0.9	0	0	0	0	0.9	0	0.9	0	0.2

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**Overall PO Attainment Report**

Programme: 013

Academic Year: 2022-2023

Batch: 2019-2023

Section: A

29	XEC409	2.4	2.6	1.4	1.8	1.6	1.6	1.6	0.6	1.6	0.8	2	0	0
30	XEC510	2.2	2.6	0	2	1	0	0	0	2.2	2	0	1	0
31	XEC501	1.3	1.5	0	1.1	0.4	0	0	0	0.5	1.1	0	0.8	0
32	XEC502	0.3	0.5	0	0	0	0	0	0	0	0.1	0	0.4	0.8
33	XEC503	1.6	1.4	1.6	1	0	0	0	0	0.4	0.4	0	1	0
34	XEC504	2.5	2.3	1.7	1.6	1.9	1.6	0	0	0.8	0.8	1.9	0	0.2
35	XGS507	1.4	0	0	0	1.2	0	1.4	0	0	0	2	2	0
36	XEC508	2.2	2.6	0	2	1	0	0.2	0	2.2	2	0	1	0
37	XEC509	2	2	0	1	2	0	1	0	2	2	0	1	0
38	XUM601	1.1	1.3	0.4	1.3	0	0	1.1	0.5	0.5	0.8	1	1	0
39	XEC602	2.8	1.9	0.6	0.4	0.6	1.9	0.4	0.4	0.4	1.3	0	1.5	0
40	XEC603	2.8	1	0	1.8	1.8	0	0	0	0	0	0	1	0
41	XUM606	0.8	1	1.4	1.4	2.2	1.6	1	2	1.2	1.8	0.4	0.8	0.2
42	XEC607	2	2	0	0	0	0	0	0	0.8	0.8	0	1	0.2
43	XEC608	2.4	1.4	1	3	3	3	1	0	3	3	2	3	0

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**Overall PO Attainment Report**

Programme: 013  
 Batch: 2019-2023  
 Academic Year: 2022-2023  
 Section: A

44	XUM701	1.3	1.7	2.3	0.9	2.2	2.1	1.7	1.3	0.9	1.3	1.9	2.4	2.8	2.8
45	XEC702	1.8	1.8	1.8	1.2	1.2	1.2	0.6	0.6	0	0	0	1.2	0	0
46	XEC703C	0.6	1.9	0	0	0	0	0	0	0	0.6	0	1.1	1.3	2
47	XEC704A	1.4	0.9	0.5	0.5	0.5	0.5	0.5	0.5	0	0	0	0.9	0	0.9
48	XEC706	3	3	2	1.6	1	1	0.8	1	0	0	0	1	0	0
49	XEC707	0.2	1.4	0	0.8	1.2	0.2	0.6	0	1	1.8	1.2	1	0	0
50	XEC708	0.4	0.2	0.4	0.8	0.6	0	0.2	0.6	0.6	0.8	0.8	1	0	0
51	XEC801C	0.8	0.6	0	0.5	0.3	0.3	0	0	0.1	0.1	0	0.3	0	0
52	XEC804	0.2	1.4	0	0.8	1.2	0.2	0.6	0	1	1.8	1.2	1	0	0

Average Attained	1.7	1.4	0.8	1	0.9	0.6	0.5	0.5	0.6	0.7	0.4	1	0.1	0.2
Direct Attainment(80%)	2.43	2.46	2.4	2.73	2.46	2.58	2.13	2.49	2.58	2.64	2.4	2.31	1.5	2.01

Prog. Exit Survey(10%)	3	3	3	2	3	3	3	3	3	3	3	3	3	2	3
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Overall PO Attainment Report

Programme: 013 Academic Year: 2022-2023  
 Batch: 2019-2023 Section: A

Alumni Survey(10%)	3	2	3	2	2	3	3	2	2	3	3	3	3	2
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Overall Attainment	2.544	2.468	2.52	2.584	2.468	2.664	2.304	2.492	2.564	2.712	2.52	2.448	1.7	2.108
Attained	No	No	No	No	No	No	No	No	No	No	No	No	No	No

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**Dr. C. NARMADHA, M.E., Ph.D.,**  
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**DEAN**  
 Faculty of Engineering and Technology  
 Periyar Maniammai Institute of Science & Technology,  
 Periyar Nagar, Valiam, Thanjavur - 613 404.

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**Dean Academic,**  
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 Institute of Science & Technology  
 (PMIST),  
 Periyar Nagar, Valiam,  
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PERIYAR  
MANIAMMAI  
UNIVERSITY  
SRI LANKA  
WELFARE  
UNIVERSITY

Programme Articulation Matrix

Programme: 013

Batch: 2019-2023

Academic Year: 2022-2023

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	XMA101.1	3	2	0	0	2	0	0	0	0	1	0	2	2	2
2	XMA101.2	3	1	0	0	1	0	0	0	0	1	0	1	0	0
3	XMA101.3	3	1	0	0	1	0	0	0	0	1	0	1	0	0
4	XMA101.4	3	2	0	0	0	0	0	0	0	1	0	1	0	0
5	XMA101.5	3	2	0	0	1	0	0	0	0	1	0	2	0	0
6	XCP102.1	3	2	0	0	3	0	0	0	0	0	2	3	2	0
7	XCP102.2	3	2	0	0	2	0	0	0	0	0	2	3	0	0
8	XCP102.3	2	2	1	2	2	0	0	0	0	0	2	2	0	0
9	XCP102.4	2	2	1	2	2	0	0	0	0	0	2	2	0	0
10	XCP102.5	2	2	1	0	2	0	0	1	0	2	2	2	0	0
11	XGS103.1	2	0	0	0	0	0	2	0	1	0	0	0	0	0
12	XGS103.2	2	0	0	0	0	0	2	0	1	0	0	0	0	0
13	XGS103.3	1	0	0	0	0	0	1	0	1	0	0	0	0	0

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**Programme Articulation Matrix**

Programme: 013

Academic Year: 2022-2023

Batch: 2019-2023

14	XGS103.4	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
15	XGS103.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	XAC104.1	3	0	0	0	0	0	2	3	0	0	3	0	0	0	0	0	0
17	XAC104.2	2	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0
18	XAC104.3	3	0	0	0	0	0	2	3	0	0	3	0	0	0	0	0	0
19	XAC104.4	8	0	0	0	0	0	3	3	0	0	3	0	0	0	0	0	0
20	XAC104.5	3	0	0	0	0	0	2	2	0	0	3	0	0	0	0	0	0
21	XWP105.1	2	1	2	2	1	0	0	1	0	1	1	0	1	0	0	0	0
22	XWP105.2	2	1	2	2	1	0	0	1	0	1	1	0	1	0	0	0	0
23	XWP105.3	2	1	2	2	1	0	0	1	0	1	1	0	1	0	0	0	0
24	XWP105.4	2	1	2	2	1	0	0	1	0	1	1	0	1	0	0	0	0
25	XWP105.5	2	1	2	2	1	0	0	1	0	1	1	0	1	0	0	0	0
26	XMA201.1	3	2	0	0	2	0	0	0	0	0	1	0	1	0	0	0	0
27	XMA201.2	3	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
28	XMA201.3	3	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0

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**Programme Articulation Matrix**

Programme: 013 Academic Year: 2022-2023

Batch: 2019-2023

29	XMA201.4	3	2	0	0	0	0	0	0	0	0	0	1	0	0	0
30	XMA201.5	3	2	0	0	1	0	0	0	0	0	0	1	0	2	0
31	XES202.1	2	1	0	0	1	0	0	0	0	0	0	2	0	0	0
32	XES202.2	2	2	0	0	1	0	0	0	0	0	0	1	0	0	0
33	XES202.3	1	1	0	0	1	0	0	0	0	0	0	1	0	0	0
34	XES202.4	1	1	0	0	1	0	0	0	0	0	0	1	0	0	0
35	XES202.5	1	2	0	0	1	0	0	0	0	0	0	2	0	0	0
36	XBE203.1	3	3	1	1	1	1	0	0	1	0	0	1	1	0	0
37	XBE203.2	3	3	1	1	1	1	0	0	1	1	0	1	1	0	0
38	XBE203.3	2	2	2	1	2	1	1	1	1	1	1	1	1	0	0
39	XBE203.4	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0
40	XBE203.5	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0
41	XAP204.1	3	2	2	2	1	0	0	0	1	0	0	1	0	1	0
42	XAP204.2	3	0	1	0	1	0	0	0	1	0	0	1	0	1	0
43	XAP204.3	3	2	2	2	1	0	0	0	0	0	0	0	0	1	0

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**Programme Articulation Matrix**

Programme: 013

Academic Year: 2022-2023

Batch: 2019-2023

44	XAP204.4	3	2	2	2	1	0	0	0	1	0	0	1	0	0
45	XAP204.5	3	0	2	2	0	0	0	0	1	0	0	1	0	0
46	XEG205.1	3	3	3	2	3	2	3	1	1	2	3	3	3	0
47	XEG205.2	3	3	3	3	1	3	1	3	1	1	2	3	3	0
48	XEG205.3	3	3	3	3	3	1	3	1	1	1	2	3	3	0
49	XEG205.4	3	3	3	3	1	3	1	3	1	1	2	3	3	0
50	XEG205.5	3	3	3	3	1	3	1	3	1	1	2	3	3	0
51	XMA301.1	3	0	0	0	0	0	0	0	0	1	0	1	0	0
52	XMA301.2	3	0	0	0	0	0	0	0	0	1	0	1	0	0
53	XMA301.3	3	2	0	0	0	0	0	0	0	1	1	2	0	0
54	XMA301.4	3	2	0	0	1	0	0	0	0	1	1	1	0	0
55	XMA301.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	XEC302.1	3	2	1	1	1	1	1	1	0	0	0	1	0	0
57	XEC302.2	3	2	1	1	1	1	1	1	0	0	0	1	0	0
58	XEC302.3	3	2	1	1	1	1	1	1	0	0	0	1	0	0

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**Programme Articulation Matrix**

Programme: 013 Academic Year: 2022-2023

Batch: 2019-2023

59	XEC302.4	3	2	1	1	1	1	1	1	1	0	0	0	1	0	0
60	XEC302.5	3	2	1	1	1	1	1	1	1	0	0	0	1	0	0
61	XEC302.6	3	2	1	1	1	1	1	1	1	0	0	0	1	0	0
62	XEC303.1	3	3	3	2	2	1	1	1	1	0	0	0	2	0	1
63	XEC303.2	2	2	3	2	2	1	1	1	1	0	0	0	2	0	0
64	XEC303.3	3	3	2	1	1	1	1	1	1	0	0	0	1	0	0
65	XEC303.4	2	2	2	2	1	1	1	1	1	0	0	0	2	0	0
66	XEC303.5	2	2	2	1	1	1	1	1	1	0	0	0	1	0	0
67	XEC304.1	3	3	2	1	1	1	1	1	1	0	0	0	1	0	0
68	XEC304.2	3	3	2	1	1	1	1	1	1	0	0	0	1	0	0
69	XEC304.3	3	3	2	1	1	1	1	1	1	0	0	0	1	0	0
70	XEC304.4	3	3	2	1	1	1	1	1	1	0	0	0	1	0	0
71	XEC304.5	3	3	2	1	1	1	1	1	1	0	0	0	1	0	0
72	XEC304.6	3	3	2	1	1	1	1	1	1	0	0	0	1	0	0
73	XUM305.1	0	0	0	0	0	1	0	0	0	3	3	0	1	0	0

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**Programme Articulation Matrix**

Programme: 013

Academic Year: 2022-2023

Batch: 2019-2023

74	XUM305.2	0	0	1	2	3	2	1	3	1	2	3	0	0
75	XUM305.3	0	0	0	0	0	0	0	0	3	3	3	2	0
76	XUM305.4	0	0	0	0	0	1	1	2	3	0	3	3	0
77	XUM305.5	0	0	0	0	0	1	1	3	0	0	0	3	0
78	XUM306.1	2	0	0	1	0	0	0	0	0	0	0	3	0
79	XUM306.2	2	0	0	1	0	0	0	0	0	0	0	2	0
80	XUM306.3	2	0	0	1	0	0	0	0	0	0	0	0	0
81	XUM306.4	2	0	0	1	0	0	0	0	1	0	0	0	0
82	XUM306.5	2	2	0	1	0	0	0	1	1	0	0	0	0
83	XEC307.1	3	2	1	1	1	1	1	1	1	0	0	0	0
84	XEC307.2	3	2	1	1	1	1	1	1	0	0	0	1	0
85	XEC307.3	3	2	1	1	1	1	1	1	0	0	0	1	0
86	XEC307.4	3	2	1	1	1	1	1	1	0	0	0	1	0
87	XEC307.5	3	2	1	1	1	1	1	1	0	0	0	1	0
88	XEC307.6	3	2	1	1	1	1	1	1	0	0	0	1	0

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Dean - FET

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**Programme Articulation Matrix**

Programme: 013  
 Batch: 2019-2023  
 Academic Year: 2022-2023

89	XEC308.1	3	3	3	3	2	2	2	1	2	2	1	2	1	2	1	1
90	XEC308.2	3	3	3	3	2	2	2	1	2	2	1	2	1	2	0	0
91	XEC308.3	3	3	3	3	2	2	2	1	2	2	1	2	1	2	0	0
92	XEC308.4	3	3	3	3	2	2	2	1	2	2	1	2	1	2	0	0
93	XEC308.5	3	3	3	3	2	2	2	1	2	2	1	2	1	2	0	0
94	XEC308.6	3	3	3	3	2	2	2	1	2	2	1	2	1	2	0	0
95	XEC309.1	3	3	3	3	2	2	2	1	2	2	1	2	1	2	0	0
96	XEC309.2	3	3	3	3	2	2	2	1	2	2	1	2	1	2	0	1
97	XEC309.3	3	3	3	3	2	2	2	1	2	2	1	2	1	2	0	0
98	XEC309.4	3	3	3	3	2	2	2	1	2	2	1	2	1	2	0	0
99	XEC309.5	3	3	3	3	2	2	2	1	2	2	1	2	1	2	0	0
100	XEC309.6	3	3	3	3	2	2	2	1	2	2	1	2	1	2	0	0
101	XEC410.1	3	2	2	2	2	2	2	1	2	2	1	2	1	2	0	0
102	XEC410.2	2	3	2	1	1	2	1	1	1	1	1	1	1	2	0	0
103	XEC410.3	3	2	1	2	2	1	2	0	2	1	0	2	1	1	0	0

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**Programme Articulation Matrix**

Programme: 013

Academic Year: 2022-2023

Batch: 2019-2023

104	XEC410.4	2	3	2	1	1	2	0	1	1	0	1	1	0	0
105	XEC410.5	3	1	1	2	2	1	1	0	2	1	0	2	0	0
106	XEC401.1	3	2	1	0	0	0	0	0	1	1	0	1	0	0
107	XEC401.2	3	2	1	0	0	0	0	0	1	1	0	1	0	0
108	XEC401.3	3	2	1	1	0	0	0	0	1	1	0	1	0	0
109	XEC401.4	3	2	1	1	1	1	0	0	1	1	1	1	0	0
110	XEC401.5	3	2	1	1	1	1	1	0	1	1	1	1	0	0
111	XUM402.1	2	0	0	1	1	1	1	1	1	1	1	0	1	0
112	XUM402.2	1	0	0	1	1	1	0	1	0	1	0	1	0	0
113	XUM402.3	2	0	0	1	2	1	0	1	1	0	0	1	0	0
114	XUM402.4	1	0	0	2	2	1	0	0	1	1	0	1	0	0
115	XUM402.5	1	0	0	2	1	1	0	1	1	1	0	0	0	0
116	XUM403.1	1	0	0	0	1	0	0	2	0	0	0	0	0	0
117	XUM403.2	1	0	0	0	1	0	0	3	1	0	0	0	0	0
118	XUM403.3	1	0	0	0	1	0	0	2	0	0	0	0	0	0

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Dean - FET

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**Programme Articulation Matrix**

Programme: 013

Academic Year: 2022-2023

Batch: 2019-2023

119	XUM403.4	1	0	0	0	1	0	0	3	0	2	0	0	0	0
120	XUM403.5	1	0	0	0	1	0	0	3	2	2	0	2	0	0
121	XEC404.1	2	2	3	2	1	1	1	1	0	0	0	2	0	0
122	XEC404.2	2	2	2	2	1	1	1	1	0	0	0	2	0	0
123	XEC404.3	2	1	2	2	1	1	1	1	0	0	0	2	0	0
124	XEC404.4	2	1	3	2	1	1	1	1	0	0	0	2	0	0
125	XEC404.5	2	2	2	2	1	1	1	1	0	0	0	2	0	0
126	XEC405.1	2	2	2	2	1	1	1	1	0	0	0	2	0	0
127	XEC405.2	2	2	2	2	1	1	1	1	0	0	0	1	0	0
128	XEC405.3	2	1	2	1	1	1	1	0	0	0	0	1	0	0
129	XEC405.4	2	1	2	1	1	1	1	0	0	0	0	1	0	0
130	XEC405.5	2	2	2	2	1	1	1	0	0	0	0	1	0	0
131	XEC406.1	2	2	2	2	1	1	1	1	0	0	0	1	0	0
132	XEC406.2	2	2	2	2	1	1	1	1	0	0	0	1	2	2
133	XEC406.3	2	2	2	2	1	1	1	1	0	0	0	1	0	0

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**Programme Articulation Matrix**

Programme: 013  
Batch: 2019-2023  
Academic Year: 2022-2023

134	XEC406.4	2	2	2	1	1	1	1	1	0	0	0	1	0	0
135	XEC406.5	2	2	2	2	1	1	1	1	0	0	0	1	0	0
136	XEC407.1	3	3	2	2	1	1	1	1	0	0	0	1	0	0
137	XEC407.2	2	3	2	2	1	1	1	1	0	0	0	1	0	0
138	XEC407.3	3	2	2	1	1	1	1	1	0	0	0	1	0	0
139	XEC407.4	2	2	2	1	1	1	1	1	0	0	0	1	0	0
140	XEC407.5	3	3	2	2	1	1	1	1	0	0	0	1	0	0
141	XEC408.1	3	2	2	2	1	1	1	1	0	0	0	1	0	1
142	XEC408.2	3	2	2	2	1	1	1	1	0	0	0	1	0	0
143	XEC408.3	2	3	2	1	1	1	1	1	0	0	0	1	0	0
144	XEC408.4	3	2	2	1	1	1	1	1	0	0	0	1	0	0
145	XEC408.5	2	3	2	2	1	1	1	1	0	0	0	1	0	0
146	XEC409.1	2	3	2	2	2	2	2	1	2	1	1	2	0	0
147	XEC409.2	3	2	1	2	2	1	1	1	1	1	1	2	0	0
148	XEC409.3	2	3	1	1	1	2	2	0	2	0	1	2	0	0

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Dean - FET

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Dean - Academic (TLE)

**Programme Articulation Matrix**

Programme: 013      Academic Year: 2022-2023

Batch: 2019-2023

149	XEC409.4	3	2	2	2	1	2	0	1	1	0	2	0	0
150	XEC409.5	2	3	1	2	1	2	1	2	1	1	2	0	0
151	XEC510.1	3	3	0	2	1	0	0	2	2	0	1	0	0
152	XEC510.2	3	3	0	2	1	0	0	2	2	0	1	0	0
153	XEC510.3	3	3	0	2	1	0	0	3	2	0	1	0	0
154	XEC510.4	1	2	0	2	1	0	0	2	2	0	1	0	0
155	XEC510.5	1	2	0	2	1	0	0	2	2	0	1	0	0
156	XEC501.1	3	3	0	2	1	0	0	2	0	0	1	0	0
157	XEC501.2	2	2	0	1	1	0	0	2	0	2	0	0	0
158	XEC501.3	2	1	0	1	0	0	0	2	2	0	1	0	0
159	XEC501.4	1	2	0	2	0	0	0	0	0	0	1	0	0
160	XEC501.5	1	2	0	1	1	0	0	0	2	0	1	0	0
161	XEC502.1	1	2	0	0	0	0	0	0	1	0	2	2	3
162	XEC502.2	1	2	0	0	0	0	0	0	0	0	1	2	3
163	XEC502.3	1	2	0	0	0	0	0	0	1	0	1	2	3

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Programme Articulation Matrix

Programme: 013 Academic Year: 2022-2023

Batch: 2019-2023

164	XEC502.4	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
165	XEC502.5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
166	XEC503.1	2	2	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0
167	XEC503.2	1	2	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0
168	XEC503.3	2	1	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0
169	XEC503.4	2	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0
170	XEC503.5	1	1	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0
171	XEC504.1	3	3	1	2	2	2	2	0	0	0	1	1	1	1	2	0	1
172	XEC504.2	2	2	2	2	2	2	2	0	0	0	1	1	1	1	2	0	0
173	XEC504.3	3	3	2	2	2	2	2	0	0	0	1	1	1	1	2	0	0
174	XEC504.4	3	2	2	2	3	2	2	0	0	0	1	1	1	1	2	0	0
175	XEC504.5	2	2	2	0	1	0	0	0	0	0	0	0	0	0	2	0	0
176	XGS507.1	2	0	0	0	1	0	2	0	0	0	0	0	0	0	2	0	0
177	XGS507.2	2	0	0	0	2	0	2	0	0	0	0	0	0	0	2	0	0
178	XGS507.3	1	0	0	0	1	0	1	0	0	0	0	0	0	0	2	0	0

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Dean - FET

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Dean - Academic (TLE)

**Programme Articulation Matrix**

Programme: 013      AcademicYear: 2022-2023

Batch: 2019-2023

179	XGS507.4	1	0	0	0	1	0	0	1	0	0	0	0	0	2	2	0	0
180	XGS507.5	1	0	0	0	1	0	0	1	0	1	0	0	0	2	2	0	0
181	XEC508.1	3	3	0	0	2	1	0	1	0	1	0	2	2	0	1	0	0
182	XEC508.2	3	3	0	0	2	1	0	0	0	0	2	2	0	1	0	0	
183	XEC508.3	3	3	0	0	2	1	0	0	0	0	3	2	0	1	0	0	
184	XEC508.4	1	2	0	0	2	1	0	0	0	0	2	2	0	1	0	0	
185	XEC508.5	1	2	0	0	2	1	0	0	0	0	2	2	0	1	0	0	
186	XEC509.1	2	2	0	0	1	2	0	1	0	1	0	2	0	1	0	1	
187	XEC509.2	2	2	0	0	1	2	0	1	0	1	0	2	0	1	0	0	
188	XEC509.3	2	2	0	0	1	2	0	1	0	1	0	2	0	1	0	0	
189	XEC509.4	2	2	0	0	1	2	0	1	0	1	0	2	0	1	0	0	
190	XEC509.5	2	2	0	0	1	2	0	1	0	1	0	2	0	1	0	0	
191	XUM601.1	1	1	0	0	1	0	0	1	1	1	1	1					
192	XUM601.2	2	2	1	1	2	0	0	2	1	1	1	1	0	1	0	0	
193	XUM601.3	2	2	1	1	3	0	0	2	1	1	2	2	3	3	0	0	

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*[Signature]* Dean - FET

*[Signature]* Dean - Academic (TLE)

Programme Articulation Matrix

Programme: 013 2019-2023 Academic Year: 2022-2023

Batch: 2019-2023

194	XUM601.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195	XUM601.5	1	2	0	1	0	0	1	0	0	1	0	0	1	0	0	1	2	1	0	0	0
196	XEC602.1	3	2	0	0	0	0	0	1	0	0	0	0	0	0	2	0	1	0	0	0	0
197	XEC602.2	3	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0
198	XEC602.3	3	2	0	2	3	2	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0
199	XEC602.4	3	2	0	0	0	2	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0
200	XEC602.5	3	2	3	0	0	3	2	0	2	2	2	2	0	2	2	0	1	0	0	0	0
201	XEC603.1	3	1	0	2	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
202	XEC603.2	3	1	0	2	2	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
203	XEC603.3	3	1	0	2	2	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
204	XEC603.4	3	1	0	2	2	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
205	XEC603.5	2	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
206	XUM606.1	0	0	2	1	1	2	2	2	3	2	1	1	1	1	1	1	1	1	0	0	0
207	XUM606.2	1	1	3	2	3	1	0	2	0	2	0	2	0	0	0	0	0	0	0	0	0
208	XUM606.3	0	0	0	0	2	1	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0

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**Programme Articulation Matrix**

Programme: 013      2019-2023      Academic Year: 2022-2023

209	XUM606.4	1	1	2	2	2	2	1	2	1	2	1	1	0	0
210	XUM606.5	2	3	0	2	3	2	0	1	1	2	0	2	0	0
211	XEC607.1	2	2	0	0	0	0	0	0	0	0	0	1	1	0
212	XEC607.2	2	2	0	0	0	0	0	0	0	2	0	1	0	0
213	XEC607.3	2	2	0	0	0	0	0	0	2	0	0	1	0	0
214	XEC607.4	2	2	0	0	0	0	0	0	0	2	0	1	0	0
215	XEC607.5	2	2	0	0	0	0	0	0	2	0	0	1	0	0
216	XEC608.1	3	2	1	3	3	3	1	0	3	3	2	3	0	0
217	XEC608.2	3	1	1	3	3	3	1	0	3	3	2	3	0	0
218	XEC608.3	2	1	1	3	3	3	1	0	3	3	2	3	0	0
219	XEC608.4	2	1	1	3	3	3	1	0	3	3	2	3	0	0
220	XEC608.5	2	2	1	3	3	3	1	0	3	3	2	3	0	0
221	XUM701.1	2	3	3	1	3	3	1	2	1	1	1	2	3	3
222	XUM701.2	1	1	3	1	3	2	2	1	1	2	2	3	3	3
223	XUM701.3	2	2	3	1	2	2	1	2	1	1	2	2	3	3

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**Programme Articulation Matrix**

Programme: 013 Academic Year: 2022-2023

Batch: 2019-2023

224	XUM701.4	1	2	3	1	2	1	3	1	1	1	3	3	3	3
225	XUM701.5	1	1	3	1	2	3	2	1	1	2	2	3	3	3
226	XEC702.1	3	3	3	2	2	2	1	1	0	0	0	2	0	0
227	XEC702.2	3	3	3	2	2	2	1	1	0	0	0	2	0	0
228	XEC702.3	3	3	3	2	2	2	1	1	0	0	0	2	0	0
229	XEC702.4	3	3	3	2	2	2	1	1	0	0	0	2	0	0
230	XEC702.5	3	3	3	1	2	2	1	1	0	0	0	2	0	0
231	XEC703C.1	1	3	0	0	0	0	0	0	0	1	0	2	2	3
232	XEC703C.2	1	3	0	0	0	0	0	0	0	1	0	2	2	3
233	XEC703C.3	1	3	0	0	0	0	0	0	0	1	0	1	2	3
234	XEC703C.4	1	2	0	0	0	0	0	0	0	0	0	1	2	3
235	XEC703C.5	0	2	0	0	0	0	0	0	0	0	0	1	2	3
236	XEC704A.1	3	2	1	1	1	1	1	1	0	0	0	2	0	2
237	XEC704A.2	3	2	1	1	1	1	1	1	0	0	0	2	0	2
238	XEC704A.3	3	2	1	1	1	1	1	1	0	0	0	2	0	2

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**Programme Articulation Matrix**

Programme: 013      Academic Year: 2022-2023

Batch: 2019-2023

239	XEC704A.4	3	2	1	1	1	1	1	1	1	0	0	0	2	0	2
240	XEC704A.5	3	2	1	1	1	1	1	1	1	0	0	0	2	0	2
241	XEC706.1	3	3	2	2	1	1	1	1	1	0	0	0	1	0	0
242	XEC706.2	3	3	2	2	1	1	1	1	1	0	0	0	1	0	0
243	XEC706.3	3	3	2	1	1	1	1	0	1	0	0	0	1	0	0
244	XEC706.4	3	3	2	1	1	1	1	1	1	0	0	0	1	0	0
245	XEC706.5	3	3	2	2	1	1	1	1	1	0	0	0	1	0	0
246	XEC707.1	1	3	0	0	3	0	0	0	0	0	0	0	0	0	0
247	XEC707.2	0	3	0	0	3	0	3	0	0	0	0	0	0	0	0
248	XEC707.3	0	0	0	3	0	1	0	0	0	2	3	0	0	0	0
249	XEC707.4	0	0	0	0	0	0	0	0	0	3	3	3	3	0	0
250	XEC707.5	0	1	0	1	0	0	0	0	0	3	3	3	2	0	0
251	XEC708.1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
252	XEC708.2	0	0	0	0	0	0	1	3	0	0	0	1	0	0	0
253	XEC708.3	0	0	0	0	0	0	0	0	3	1	3	1	3	1	0

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**Programme Articulation Matrix**

Programme: 013 Academic Year: 2022-2023

Batch: 2019-2023

254	XEC708.4	0	1	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0
255	XEC708.5	0	0	0	3	0	0	0	0	0	0	3	0	0	0	0	0	0	0
256	XEC801C.1	3	2	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
257	XEC801C.2	2	3	0	2	2	1	0	0	1	1	0	0	0	0	0	0	0	0
258	XEC801C.3	3	3	0	2	2	1	0	0	1	1	0	0	0	0	0	0	0	0
259	XEC801C.4	3	2	0	3	2	1	0	0	1	1	0	0	0	0	0	0	0	0
260	XEC801C.5	2	3	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
261	XEC804.1	1	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
262	XEC804.2	0	3	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0
263	XEC804.3	0	0	0	3	0	1	0	0	2	3	0	0	0	0	0	0	0	0
264	XEC804.4	0	0	0	0	0	0	0	0	3	3	3	3	0	0	0	0	0	0
265	XEC804.5	0	1	0	1	0	0	0	0	0	3	3	2	0	0	0	0	0	0
Average		2.1	1.7	1	1.1	1.1	0.7	0.7	0.6	0.7	0.8	0.5	1.3	0.2	0.2	0.2	0.2	0.2	0.2

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**DEAN**

Faculty of Engineering and Technology Page 18/18  
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