

Exam cell
9/2/23



Naan Mudhalvan

A massive upskilling platform



ANNA UNIVERSITY EVEN SEMESTER COURSES INSTRUCTION MANUAL

Academic year – 2022 -2023

Semester – 4th and 6th Sem

Year – II- and III-year students

Greetings from Naan Mudhalvan,



Dear Principals/SPOC

1. There are 23 courses finalized by Anna University for 4th and 6th sem. Details of courses Faculty wise and semester wise is given below. A Student has to choose one course among the courses being offered to a college
(Pls see the student - Course allocation sheet emailed to SPOCs to see the number of students allotted to a particular course semester wise and branch wise)
2. Principals of colleges are requested to arrange a meeting with SPOC and all the faculties in the college on 03.02.2023 and explain about the courses being offered. (Details of courses, training partners, Course objective, skills imparted, jobs associated with these skills can be seen from Naan Mudhalvan YouTube channel). Principals along with SPOC are personally responsible to exercise due diligence in nominating faculty for a particular course after extensive deliberations with all the faculties in the college to ensure qualitative delivery of the program .
3. All courses will be run as Industry Use case Project based Experiential learning program. Industry use cases will be split in to 5 tasks and students will be continuously evaluated based on tasks. On Day 1 itself, student teams will be formed by the faculty, each team consisting of 3 students and each team taking one industry use case as per advice of the faculty who will act as a mentor
4. Mode of delivery of courses are given below.
5. One Full day in every alternative week will be exclusively allotted for Naan Mudhalvan Course (Total 6 days - 45 hours- in the entire semester period) on which industry partners will physically come to college and deliver hands on training to aid students to complete tasks. Timetable will be shared separately.
6. Though physical sessions happen for 45 hours in 6 days in a college, as classes will be spread throughout the entire semester, it is a continuous learning for the students as after every physical/instructor led online sessions, students will learn the concepts every week and execute tasks in the upcoming weeks throughout the semester
7. FDP program for all courses except RPA will be for 5 days commencing from Feb 6th to Feb 10th. Venues will be communicated shortly.
8. For every course, College has to nominate one Faculty. If there are more than 60 students allotted for a particular course in a college, College has to nominate one additional faculty. Faculty nomination forms will be shared separately today and SPOCs are requested to send back data before end of tomorrow in-order to send pre-read material / LMS access for the faculties so that Faculties come prepared for the FDP session. Faculties will be assessed and certified at the end of FDP session. Faculties are requested to take the FDP sessions with utmost seriousness as **faculty assessment metrics are linked to the proposed Faculty Hackathon.**
9. In the SPOC login, Student mapping and Faculty mapping has to be done **(Detailed instruction will be given separately)**
10. Every Faculty will be provided a faculty login on which she/he can enter Internal marks and External marks - Joint evaluation by the Faculty and the Training partner

Internal Marks: 100

(Sum of all 5 tasks performed by students at
every alternative week in 3 months = $5 \times 20 = 100$)

External Marks: 100

(30% MCQs, 70% Project Evaluation)
Evaluation metrics will be shared by training partner separately



11. Student Hackathon

Through Hackathons, Best Performing students will be identified who have demonstrated exceptional creativity and innovation who will be evaluated by the Faculty, Industry Partner and Expert Committee and will be given rewards like Sponsoring for High value courses, Internships at premier institutions like IIT, Interstate, Abroad Industrial visits, Internships at premier private firms and Government institutions, Fellowships, Internships at Foreign Universities ,Seed Funding etc., **(Detailed instruction will be given separately).**

12. Faculty Hackathon

Hackathon for Faculties who mentor student teams is also planned and Best performing Faculties will be rewarded (Empanelment as Master trainer with incentives, Interstate and Abroad study visits etc.,) **(Detailed instruction will be given separately)**

NOTE:

Annexure – I – Faculty Nomination Google Form Link

Annexure – II – Individual E-mail will be sent to all colleges **(Kindly check your Principal & SPOC registered mail id in our NAAN MUDHALVAN portal)**

Annexure – III – Please refer Anna University Website for Faculty- Department mapping as per Anna University regulations

Annexure – IV – Training Partner SPOC Contact Details

NAAN MUDHALVAN - ENGINEERING EVEN SEM COURSES

S.No	Name of the Course	Faculty	Sem	TP	Mode of Delivery
1	Robotic Process & Industrial Automation	Civil	4	UI Path	Instructor Led Online
2	Block Chain Development		4	NSE	Hybrid
3	Digital Marketing		4	NSE	Hybrid
4	Architecture Visualization		6	Ingage	Hybrid
5	Sustainable Building Design		6	Autodesk	Hybrid
6	Industrial Metaverse using mixed reality (XR)		4	Ingage	Hybrid
7	Foundation for AI,ML,FS	CS & IT	4	EduNet	Instructor Led Online
8	Network Essentials		4	CISCO	Online
9	Block Chain Development		4	NSE	Hybrid
10	Digital Marketing		4	NSE	Hybrid
11	Network Engineering		6	CISCO	Instructor Led Online
12	Professional Readiness for Innovation, Employment & Entrepreneurship		6	IBM	Instructor Led Online
13	Full Stack Development		6	Sun Stone	Hybrid
14	Network Essentials		4	CISCO	Online
15	Robotic Process & Industrial Automation	ECE	4	UI Path	Instructor Led Online
16	Block Chain Development		4	NSE	Hybrid
17	Digital Marketing		4	NSE	Hybrid
18	Full Stack Development		6	Sun Stone	Hybrid
19	Network Engineering		6	CISCO	Instructor Led Online
20	Professional Readiness for Innovation, Employment & Entrepreneurship		6	IBM	Instructor Led Online
21	Product Design and Manufacturing - 3D Surface Modelling	Mech	4	TANCAM / Dassault	Hybrid
22	Product Design Engineering and Modelling		4	Autodesk	Hybrid
23	Manufacturing of Mechanical Components using CNC Turning/Milling		4	DMW	Hybrid
24	Robotic Process & Industrial Automation		4	UI Path	Instructor Led Online
25	Block chain Development		4	NSE	Hybrid
26	Digital Marketing		4	NSE	Hybrid
27	Smart & Advanced Manufacturing - Design & Simulation		6	TANSAM/ Siemens	Hybrid
28	EV Design		6	Skill Lync	Hybrid
29	Robotic Process & Industrial Automation	EEE	4	UI Path	Instructor Led Online
30	Block chain Development		4	NSE	Hybrid
31	Digital Marketing		4	NSE	Hybrid
32	Electric Vehicle Charging System Design		6	Skillsonic	Hybrid
33	Design of Photo Voltaic System		6	Skillsonic	Hybrid
34	Embedded System Design - Board Development and Debug		6	Ingage	Hybrid
35	Embedded System for Industrial Application		6	TANSAM/ Siemens	Hybrid
36	Embedded System Design and Applications		6	Vi Micro	Hybrid
37	Robotic Process & Industrial Automation	Tech	4	UI Path	Instructor Led Online
38	Block chain Development		4	NSE	Hybrid
39	Digital Marketing		4	NSE	Hybrid
40	Plant Simulation		6	SIM	Hybrid
41	Smart & Advanced Manufacturing - Plant Simulation		6	TANSAM/ Siemens	Hybrid

Kindly make a note of it and nominate the faculties (using faculty nomination Google form link - **Annexure - I**) based on the courses allotted to your college (**Annexure - II** will be mailed to every college Principal and SPOC email ids) and faculty before 04.02.23. Pls refer **Annexure - III** for Faculty- Department mapping as per Anna University regulations.

FACULTY NOMINATION DETAILS FOR THE COURSES		
Course	Sem	Faculty (1 faculty for a student count of 60)
Robotic Process Automation	4	Any faculty except CSE & IT
Block chain	4	ALL
Digital Marketing	4	ALL
Foundation for AI, ML, FS	4	CSE & IT
Network Essentials	4	CSE, IT & ECE
Network Engineering	6	CSE, IT & ECE
Electric Vehicle Design	6	MECH
Professional Readiness for Innovation, Employment & Entrepreneurship	6	CSE, IT & ECE
Smart & Advanced Manufacturing Design & Simulation	6	MECH
Plant Simulation	6	Other Technology
Full Stack	6	CSE, IT & ECE
Architecture Vizualisation	6	CIVIL
Sustainable Building Design	6	CIVIL
Industrial Metaverse XR	4	CSE & IT
Product Design Engineering & Modelling	4	MECH
Product Design and Manufacturing & 3D Surface Modelling	4	MECH
Manufacturing of Mechanical Components CNC turning / milling	4	MECH
Electric Vehicle Charging system design	6	EEE
Design of solar Photovoltaic system	6	EEE
Embedded System Design - Industrial Applications	6	EEE
Embedded System Design - Board design & debug	6	EEE
Embedded System Design & applications	6	EEE
Smart & Advanced Manufacturing – Process Simulation	6	Other Technology

ANNEXURES

Annexure – I – Faculty Nomination Google Form Link

<https://forms.gle/KbcV6owiHx8CMShU6>

Annexure – IV – Training Partner SPOC Contact Details

SL.NO	Training Partner	Point of Contact for addressing queries from SPOC/faculties (Name & Mobile)	E-mail ID
1	TANCAM/ Dassault	1.Gladwin Immanuel, 7539938825 2.Om Ezhilan. U, 9841205474	gladwin@tancam.in training@tancam.in
2	SUNSTONE	Gaurav Gupta, +91 87640 88661	Gaurav.gupta@sunstone.in
3	TANSAM / Siemens	Suresh, 96776 63669	sureshg@tansam.org
4	SIM	1.M. Suresh Kumar, 9498046103/8825979754 2.L. Raghuraman, 9444030698	msureshkumar@siminfosystems.com lraghuraman@siminfosystems.com
5	DMW	K.P.Ravichandar, 9442223240	kprlatha@dmwcnc.com
6	VI Micro systems	1.Vijayarajeswaran, 9444045621 2.Venkatesan, 9841574139, 3.S.Suresh , 9444061857,	vijay@vimicrosystems.com venkatesan@vimicrosystems.com suresh@vimicrosystems.com
7	Skill Lync	1.Joel John Varghese , 78068 03968, 2.Srinivasan Mohan, 98945 23066,	joeljohn.varghese@skill-lync.com srini@skill-lync.com
8	Ingage	SriHarsha, 99416 56492	
9	NSE academy	Pradeep, 91761 12344,	pradeepb@nse.co.in
10	Skill Sonics	1.Karthik,+91-9606934543, for Design of electric vehicles charging system 2.Vivekanandhan Ponnuswamy, 80159 68892, for Design of Solar PV for domestic load	karthik.s@skillsonics.com vivekanandhan.p@skillsonics.com
11	CISCO	Will be shared later	
12	UI Path		
13	Microsoft+ SAP		
14	IBM		
15	Autodesk	1. Prasath V, 9442191964 2. Rohit, +917559881729 3. Abinash, +919597236136 4. Arjun,+919597236136	ramesh.pudale@autodesk.com

College Code	Branch	Sem	Robotic Process & Industrial Automation	Block Chain Development	Digital Marketing				
3128	B E Civil Engineering	4	4	3	2				
College Code	Branch	Sem	Industrial Metaverse using mixed reality (XR)	Foundation for AI,ML,FS	Network Essentials	Block Chain Development	Digital Marketing		
3128	B E Computer Science and Engineering	4	0	16	72	4	4		
3128	B Tech Information Technology	4	0	8	37	2	2		
3128	B.Tech Artificial Intelligence and Data Science	4	0	7	32	2	2		
College Code	Branch	Sem	Network Essentials	Robotic Process & Industrial Automation	Block Chain Development	Digital Marketing			
3128	B.E Electronics and Communication Engineering	4	23	9	3	2			
3128	B.E Biomedical Engineering	4	20	8	3	1			
College Code	Branch	Sem	Robotic Process & Industrial Automation	Block Chain Development	Digital Marketing				
3128	B.E Electrical and Electronics Engineering	4	11	1	2				
College Code	Branch	Sem	Product Design Engineering & Modelling	Product Design Engineering and 3D Surface Modelling	Robotic Process & Industrial Automation	Block Chain Development	Digital Marketing	Manufacturing of Mechanical Components using CNC Turning/ Milling	
3128	B.E Aerospace Engineering	4	0	14	3	2	2	0	
3128	B.E Mechatronics Engineering	4	0	13	3	2	2	0	
3128	B.E Mechanical Engineering	4	0	12	2	2	2	0	
3128	B.E Mechanical and automation engineering	4	0	8	2	2	1	0	
College Code	Branch	SEM	Robotic Process & Industrial Automation	Block Chain Development	Digital Marketing				
3128	B Tech Chemical Engineering	4	8	9	9				
College Code	Branch	SEM	Architecture Vizualisation	Sustainable Building Design					
3128	B.E Civil Engineering	6	0	7					
College Code	Branch	SEM	Network Engineering	Professional Readiness for Innovation, Employment & Entrepreneurship	Full Stack Development				
3128	B E Computer Science and Engineering	6	29	63	0				
3128	B.Tech Information Technology	6	13	28	0				
College Code	Branch	SEM	Full Stack Development	Network Engineering	Professional Readiness for Innovation, Employment & Entrepreneurship				
3128	B E Biomedical Engineering	6	0	11	38				
3128	B E Electronics and Communication Engineering	6	0	7	25				
College Code	Branch	SEM	Embedded System Design - Board Development and Debug	Embedded System Design and Applications	Embedded System Design for Industrial Application	Electric Vehicle Charging System Design	Design of Photo Voltaic System		

3128	B E Electrical and Electronics Engineering	6	0	0	0	0	32		
College Code	Branch	SEM	Smart & Advanced Manufacturing - Design & Simulation	EV Design					
3128	B E Aerospace Engineering	6	25	10					
3128	B E Mechatronics Engineering	6	18	8					
3128	B E Mechanical and automation engineering	6	17	7					
3128	B E Mechanical Engineering	6	12	5					
College Code	Branch	SEM	Plant Simulation	Smart & Advanced Manufacturing - Process Simulation					
3128	B.Tech Chemical Engineering	6	0	17					