NANDHA ENGINEERING COLLEGE

(AUTONOMOUS)
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
ERODE – 638 052, TAMILNADU
Email : principal@nandhaengg.org Mobile : 73737 12234

Innovation Ecosystem

3.3.1	The institution has created an excellent platform namely Centre for Innovation and Product Development (CiPD) to inculcate innovation, IPR and entrepreneurship culture and transfer of knowledge supported by Business Incubator (BI), Institute Innovation Council (IIC) and Entrepreneur Development Cell (EDC).

INDEX

S.No	Description
1	**Centre for Innovation and Product Development (CiPD)**
2	**Business Incubator**
3	**Institution's Innovation Council (IIC)**
4	**Entrepreneur Development Centre (EDC)**

Centre for Innovation and Product Development (CiPD)

CiPD was established in Nandha Engineering College in the year 2014 with the aim of creating spark of innovation in the students' mind and to expose them to the existing problems that need to be solved. It encourages the students to come up with ideas which have innovation, Intellectual Property Right (IPR) component and potential commercial value. It connects the students with experts for mentoring. Project making, project exhibition& presentation, hackathon and participation in competitions are part of our yearly event (Innovation Day) schedule. The CiPD plays a vital role in inviting innovators, researchers, successful startups/entrepreneurs from varied fields to share their experience for problem solving and success scenarios which may benefit students/faculty members of the Institution. Further, the centre aims to build an interdisciplinary networks and teams for students and facilitate understanding of subtle aspects of innovation, IPR, startups and entrepreneurship.

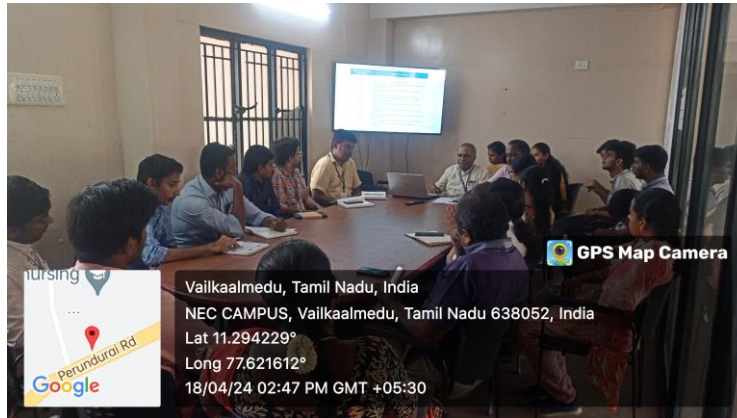**Centre for Innovation and Product Development (CiPD)**

Discussion Room

Systems & 3D Printer Room

Tool Room

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Business Incubator

Business Incubator @ Nandha Engineering College was established in the year 2016 and received Host Institution (HI) status from MSME, Government of India in the year 2018. So far, 10 products have been launched; benefitting various sectors of society. The MSME under "Support for Entrepreneurial and Managerial Development of SMEs through Incubators scheme" had sanctioned Rs.15 lakhs in the year 2021, 14.75 lakhs in the year 2022, 29 lakhs in year 2023 and 59 lakhs in year 2024 to Nandha BI, and supported innovators to convert their ideas into prototypes / products.

Manager BI Room

Individual Incubation Space

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Co-working Space

Institution's Innovation Council (IIC)

Institution's Innovation Council at Nandha Engineering College was started in the year 2018 to create an ecosystem for supporting young minds towards innovation and entrepreneurship. The major focuses of IIC are (1) to encourage the creative energy of student population to work on new ideas and innovation and promote them to develop products, (2) to develop better cognitive ability for Engineering/technology students and to create complete ecosystem which will inculcate the culture of Innovation, (2) to conduct various innovative and entrepreneurship-related activities prescribed by MIC in time bound fashion, (3) to identify and reward innovations and share success stories.(4) to organize periodic workshops/ seminars/ interactions with innovators / startups / entrepreneurs, professionals and create a mentor pool for students' innovations, (5) to network with peers and national entrepreneurship development organizations.

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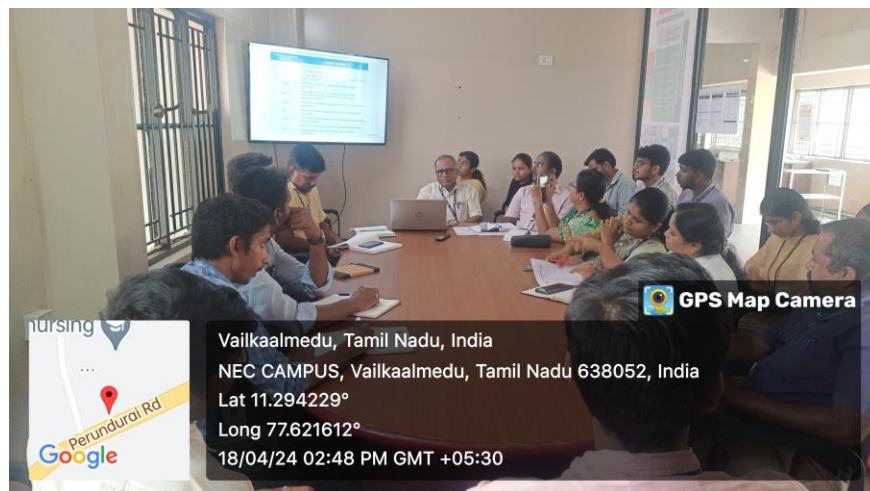ERODE – 638 052, TAMILNADU
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CERTIFICATE

Institution's Innovation Council (IIC) established at

Nandha Engineering College , ERODE

had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2022-23.

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Prof. TG Sitharam
Chairman
Aicte

Dr. Abhay Jere
Chief Innovation Officer
MOE, Innovation Cell

Mr. Dipan Sahu
Assistant Innovation Director
MOE, Innovation Cell

Certificate No : 1103   Issued On : 2023-11-16

Entrepreneur Development Centre (EDC):

Entrepreneurship Development Cell of Nandha Engineering College was established in the year 2013 with the objective of enhancing entrepreneurship awareness among the student communities. The Cell has been organizing various entrepreneurial promotional programs to transform students into entrepreneurs once they complete their graduation besides creating entrepreneurial awareness among them with funding supports from agencies like DST-NIMAT, Department of Science and Technology(DST), Ahmedabad, etc.

EDC Cell

Workshops / Seminars conducted on Research methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill development

Academic Year 2023-24

S No.	Year	Name of the Workshop/ Seminar	Number of Participants	Date From – To
1	2023-24	Innovation in IoT Product Development	44	08-06-2023
2	2023-24	International AI day celebration and Seminar on Business Charbot Design	120	17-06-2023
3	2023-24	Organise Session on Lean Start-up & Minimum Viable Product/Business• - Boot Camp (or) Mentoring Session	106	17-06-2023
4	2023-24	Session/ Panel discussion with innovation and Start-up Ecosystem Enablers from the region/state/national level	78	06-07-2023 to 08-07-2023
5	2023-24	Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs	106	04-08-2023
6	2023-24	Session on Innovation/Prototype Validation Converting Innovation into a Start-up or Session on Achieving Value Proposition Fit• & Business Fit	139	08-08-2023
7	2023-24	World Entrepreneurs Day	124	21-08-2023
8	2023-24	Opportunities in Incubation & Pre-Incubation Management	44	22-08-2023
9	2023-24	Organising Innovation & Entrepreneurship Outreach Program in Schools/Community	178	24-08-2023 to 25-08-2023
10	2023-24	One Day Session On Digital Disruption And Disruption In Ict Employability	106	30-08-2023
11	2023-24	Professional Backend web Design using JAVA	67	02-09-2023
12	2023-24	Session on Problem Solving and Ideation Workshop	64	07-09-2023
13	2023-24	Workshop on Entrepreneurship and Innovation as Career Opportunity	180	08-09-2023

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14	2023-24	Exposure and field visit for problem identification	52	11-09-2023 to 12-09-2023
15	2023-24	Virtual Hands on Training in Embedded C Programming	60	16-09-2023
16	2023-24	Demo Day/Exhibition/Poster Presentation of Ideas/PoC & linkage with Innovation Ambassadors/Experts for Mentorship Support.	66	26-09-2023
17	2023-24	Session on start up opportunities in Civil Engineering	76	29-09-2023
18	2023-24	Hands on training on mobile phone servicing and troubleshooting	100	05-10-2023
19	2023-24	Workshop on IoT platform and Security	60	10-10-2023
20	2023-24	My Story - Motivational Session by Successful Entrepreneur/Start-up founder.	54	12-10-2023
21	2023-24	Innovation Day	850	15-10-2023
22	2023-24	Seminar on Digital Marketing	71	20-10-2023
23	2023-24	Workshop on Innovation and product development	50	21-10-2023
24	2023-24	Seminar on Drying and Dehydration	58	30-10-2023
25	2023-24	Inter/Intra Institutional Idea Competition/Challenge/Hackathon and Reward Best Ideas.	75	03-11-2023 to 04-11-2023
26	2023-24	Entrepreneurial Insights for E mobility with embedded automation, AI and IoT advancements	60	07-11-2023
27	2023-24	National Entrepreneurship Day	159	09-11-2023
28	2023-24	National Education Day	75	11-11-2023
29	2023-24	Energy storage solutions for intelligent future	82	11-11-2023
30	2023-24	Seminar on AI implementation on cyber security	119	17-11-2023
31	2023-24	My Story - Motivational Session by Successful Innovators.	54	22-11-2023
32	2023-24	Workshop on CAD for Beginners- An introduction to Design Software	55	22-11-2023 to 23-11-2023
33	2023-24	Webinar on Carrier Guidance	45	01-12-2023

34	2023-24	Expert talk on & Process of Innovation Development & Technology Readiness Level (TRL)& commercialisation of Lab Technologies & Tech-Transfer	171	09-12-2023
35	2023-24	Workshop on Entrepreneurship Skill, Attitude and Behaviour Development	57	15-12-2023
36	2023-24	Field/Exposure Visit to Pre-incubation units such as Ideas Lab, Fab lab, Makers Space, Design Centres, City MSME clusters, workshops etc.	46	27-12-2023 To 28-02-2024
37	2023-24	Ideathon 23	75	27-12-2023 to 30-01-2024
38	2023-24	Session on Converting Prototype into a Startup	40	05-01-2024
39	2023-24	Workshop on Design Thinking, Critical thinking and Innovation Design	47	10-01-2024 To 11-01-2024
40	2023-24	Entrepreneurship Awareness Program	100	10-01-2024
41	2023-24	National Startup Day	75	16-01-2024
42	2023-24	Organize an Inter/Intra Institutional Innovation Competition/Challenge/Hackathon and Reward Best Innovations.	43	18-01-2024 to 23-01-2024
43	2023-24	Organising Innovation & Entrepreneurship Outreach Program in Schools/Community	107	20-01-2024
44	2023-24	Entrepreneurial opportunities in Gate Driver software Development	58	24-01-2024
45	2023-24	AI innovation, career and scope for Engineers in India	60	30-01-2024
46	2023-24	Technical Seminar on Cloud Computing and its implementation	132	06-02-2024
47	2023-24	Mentoring Event: Demo Day/Exhibition/Poster Presentation of Innovations/Prototypes &a linkage with Innovation Ambassadors/Experts for Mentorship Support	918	09-02-2024 to 11-02-2024
48	2023-24	Genesis Hub: Igniting Innovation	42	09-02-2024
49	2023-24	Project Expo on Agricultural Innovation	42	09-02-2024 To 10-02-2024
50	2023-24	A Seminar on Insights of Machine Learning and Data Science	132	09-02-2024

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51	2023-24	Innovation on semiconductor Technology	50	14-02-2024
52	2023-24	Webinar on chemical process safety	90	22-02-2024
53	2023-24	Field Visit to Mad Mall	50	23-02-2024
54	2023-24	Session on Achieving Problem-Solution Fit & Product-Market Fit	42	26-02-2024
55	2023-24	National Science Day	189	28-02-2024
56	2023-24	Hands on Training on IOTRONICS project Design	50	28-02-2024
57	2023-24	Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/ Technology Transfer Centre such as ATAL Incubation Centre etc	42	02-03-2024 to 03-03-2024
58	2023-24	Launching of the students chapter at NIPM	48	07-03-2024
59	2023-24	Entrepreneurial Strategies in IoT Design from Concept to Market	60	14-03-2024
60	2023-24	Entrepreneurial Opportunities in Embedded C: Pioneering Solution for Modern Technology Needs	60	25-03-2024
61	2023-24	Startup opportunities in Packet Tracer Simulation tool	57	18-04-2024
62	2023-24	World Creativity and Innovation Day	97	22-04-2024
63	2023-24	Workshop on Prototype/Process Design and Development	40	23-04-2024
64	2023-24	World Intellectual Property Day	57	26-04-2024
65	2023-24	Organise an Inter/Intra Institutional Business Plan Competition and Reward Best Innovations	67	07-05-2024
66	2023-24	Exploring Biomedical Frontiers -Bridging Science and solutions	52	07-05-2024
67	2023-24	Fueling Ingenuity: Elevating Innovation Projects	29	07-05-2024
68	2023-24	Demo Day/Exhibition/Poster Presentation of Business Plans & linkage with Innovation Ambassadors/Experts for Mentorship Support	112	07-05-2024 to 09-05-2024
69	2023-24	Agri Expo	43	07-05-2024
70	2023-24	Mentoring Event: Project Demo Day / Exhibition Poster Presentation of Business plans	53	08-05-2024

71	2023-24	Mentoring Event: Tech Triumph: Unveiling the IT's finest	63	08-05-2024 To 10-05-2024
72	2023-24	Igniting Innovation in Computer Science	128	08-05-2024 to 10-05-2024
73	2023-24	Coding the Blueprint: Innovations in Civil Engineering Softwares	45	10-05-2024
74	2023-24	National Technology Day	87	11-05-2024
75	2023-24	Seminar on Unleashing emerging project trends in varied dimensions	54	17-05-2024
76	2023-24	Session on How to plan for Start-up and legal & Ethical Steps	47	20-05-2024
77	2023-24	Data Engineering for Revolutionizing Entrepreneurs	185	20-05-2024
78	2023-24	Innovative AI Project Hackathon	66	21-05-2024
79	2023-24	Innovative Tools and Techniques in Cryptography	344	24-05-2024
80	2023-24	Infinite Insights in you	120	24-05-2024
81	2023-24	Mentoring Event: Web development using react JS	40	25-05-2024
82	2023-24	Workshop on GD&T and Design Thinking	65	25-05-2024
83	2023-24	Workshop on Intellectual Property Rights (IPRs) and IP management for start up	138	27-05-2024
84	2023-24	Engineering Evaluation: Reflecting on Projects	55	28-05-2024 to 29-05-2024
85	2023-24	Hackapalooza	122	29-05-2024
86	2023-24	Innovation in Agriculture	46	29-05-2024
87	2023-24	Next - Gen Cyber Security Lanch Pad	60	30-05-2024
88	2023-24	Session/ Workshop on Business Model Canvas (BMC)	59	30-05-2024 to 31-05-2024
89	2023-24	Workshop on Entrepreneurship opportunities in robotics	57	30-05-2024
90	2023-24	Entrepreneurial Success: Mapping Your Career and Professional Growth	60	31-05-2024