

**INSTITUTION INNOVATION COUNCIL (IIC) – AVIT  
DEPARTMENT/ASSOCIATION**

<b>Any one social media Url Link</b> Facebook/Twitter/Instagram/LinkedIn	<a href="https://www.avit.ac.in/announcements/reports/2022/nov/NPD.pdf">https://www.avit.ac.in/announcements/reports/2022/nov/NPD.pdf</a>		
<b>Program Driven by</b> IIC Calendar Activity/ MIC Driven Activity/ Celebration Activity/Self driven activity	<b>IIC Calendar Activity</b>		
<b>Event Title</b>	<b>“NEW PRODUCT DEVELOPEMENT”</b>		
<b>Resource Person</b>	<p><b>Mr.Alexander,Senior Application Engineer, Kriatec services Pvt Ltd.</b></p> <p><b>Mr.Balaji.G Application Engineer, Kriatec services Pvt Ltd.</b></p> <p><b>Mr.Anirrudh Shrinaath, Application Engineer, Kriatec services Pvt Ltd.</b></p>		
<b>Academic year</b>	2022 - 23	Date: 23.11.2022	
<b>Program Type</b> Level 1 - Expert Talk/ Exposure Visit/ Mentoring Session (2 to 4 Hours) Level 2 – Conference / Exposure Visit / Seminar / Workshop (5 to 8 Hours) Level 3 – Bootcamp/ Competition/ Demo Day/ Exhibition / Workshop (9 to 18 Hours) Level 4 – Challenges/ Hackathon/ Tech Fest (Greater than 18 hours)	<b>Bootcamp</b>		
<b>Program Theme</b> IPR & Technology Transfer / Innovation & Design Thinking / Entrepreneurship & Startup / Pre-Incubation & Incubation Management	<b>Entrepreneurship &amp; Startup</b>		
<b>Start date &amp; End Date</b> (DD/MM/YYYY)	23.11.2022	23.11.2022	
<b>Duration of the activity (in Mins) &amp; Start Time &amp; End Time</b>	Duration: 300 Mins.	Start Time: 10 AM	End Time: 3.00 AM
<b>Participants</b>	Students: 100	Faculty: 05	External: 2
<b>Mode of session</b> (online / offline) * Online Video Url compulsory	offline	Expenditure Amount, If any	Nil
<b>Event Organizer / Coordinator</b> Faculty Name / Department / Designation	Mr.P.Kumaran, Assistant Professor, Department of Civil Engineering.		
<b>Target Participants</b>	Students and Faculty members of all department		
<b>Outcome</b>	<ul style="list-style-type: none"> <li>• Various core mechanical industries.</li> <li>• Various departments in the core industries.</li> </ul>		

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|  | <ul style="list-style-type: none"><li>• Trends in mechanical industries.</li><li>• Steps in New Product Development Cycle.</li><li>• Drawing study &amp; GD&amp;T,Industrial Drawing reading.</li></ul> |
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## Report:

The Department of Mechanical Engineering in association with Engineering Design Collegiate Club (EDCC) & Institution's Innovation Council (IIC) organised the Employability Enhancement Course on "NEW PRODUCT DEVELOPMENT" from **28.11.2022 to 30.11.2022**. The program was inaugurated by **Dr. L. Prabhu, IIC President, VP Admin & HOD / Mech.** The Kriatec Services Pvt Ltd, Senior Application Engineers **Mr. Alexander, Mr. Balaji.G,** and Application Engineer **Mr. Anirrudh Shrinaath** has delivered the course content of New Product Development. Around 100 mechanical engineering students (Third & Final Year) have participated.

The students had an interaction with the expert and the following contents were discussed.

DAY 1 -28.11.2022

### FORENOON SESSION: 9.00AM TO 12.00 PM

The first session was conducted by **Mr. Anirrudh Shrinaath**, Application Engineer from Kriatec Services Pvt Ltd. He has delivered the course content on

- Various core mechanical industries
- Various departments in the core industries
- Trends in mechanical industries
- Steps in New Product Development Cycle,
- Drawing study & GD&T,
- Industrial Drawing reading,



### AFTERNOON SESSION: 1.00 PM TO 3.00 PM

The second session was handled by **Mr.Balaji.G**, Application Engineer from Kriatec Services Pvt Ltd.He has delivered the course content on

- Live industry component (Base plate).
- New Product Development
- Introduction to Edgecam,
- NPD of Milling Part using Edgecam.

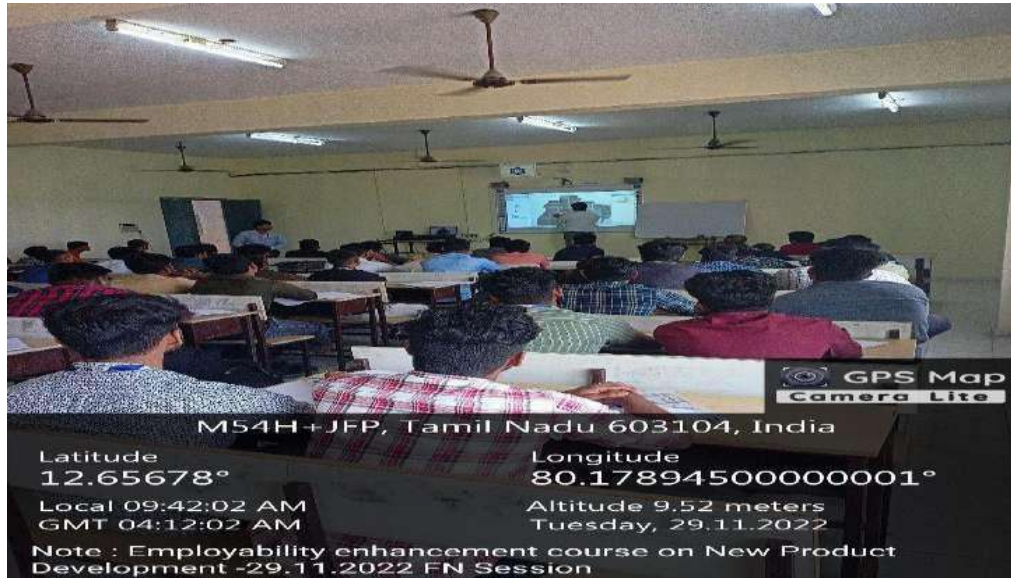


### DAY 2 -29.11.2022

#### FORENOON SESSION: 9.00AM TO 12.00 PM

The session was started with assessment based on the content delivered previous day is handled by **Mr.Balaji.G**, Application Engineer from Kriatec Services Pvt Ltd. He has delivered the course content on

- New Product Development
- NPD of Turning Part
- NPD Turn-mill part,
- Fixture Design introduction.



#### AFTERNOON SESSION: 1.00 PM TO 3.00 PM

The second session was conducted by **Mr.Anirrudh Shrinaath**, Application Engineer from Kriatec Services Pvt Ltd. He has demonstrated the industrial fixture design with working model along with following topics

- New Product Development cycles
- Cost estimation
- Fixture Design
- Live demonstration of industrial fixture design



#### DAY 3 -30.11.2022

#### FORENOON SESSION: 9.00AM TO 12.00 PM

The session was started with assessment based on the content delivered in previous day is handled by **Mr.Alexander**, Senior Application Engineer from Kriatec Services Pvt Ltd. He has delivered the course content on

- Overview of NPD
- Geometric Dimensioning & Tolerance

- Industrial drawing study
- Various attributes in the Drawings and also clarified the doubts
- Development of New Product.



**AFTERNOON SESSION: 1.00 PM TO 3.00 PM**

The session was conducted by **Mr. Anirrudh Shrinaath**, Application Engineer from Kriatec Services Pvt Ltd. He has delivered the course content on

- Hands-on training
- Activities in Drawing Study
- NPD using Edgecam.



Final assessment was conducted through online.

**Outcome:**

The Course was conducted for the awareness of New Product development & Technologies available in various core mechanical industries, departments and job opportunities available in NPD Sector. The Students interacted with the Trainers regarding New product development and future scope.

The event was coordinated by **Mr. P.Kumaran, Asst. Prof Gr-II / Mech,**



VINAYAKA MISSION'S  
RESEARCH FOUNDATION  
Deemed to be University under section 3 of the UGC Act 1956



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AVIT  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING ENGINEERING DESIGN  
COLLEGIATE CLUB (EDCC) & TARG - CAD / CAM

**INSTITUTION'S INNOVATION COUNCIL (IIC)**

association with

KRIATEC SERVICES PRIVATE LTD

Organizing Employability

Enhancement Course on

“NEW PRODUCT DEVELOPMENT”

**28.11.2022 TO 30.11.2022 (15 Hours)**

**LIST OF STUDENTS ATTENDED**

S. NO.	REGISTER NUMBER	NAME OF THE STUDENT	YEAR
1	3441873502	ANEES	IV YEAR
2	3441910501	ABHAY VERMA	IV YEAR
3	3441910502	ABHINANDH LAL	IV YEAR
4	3441910503	AJAY KUMAR	IV YEAR
5	3441910505	AMIT KUMAR	IV YEAR
6	3441910506	ASHISH KUMAR	IV YEAR
7	3441910509	ASTLIN SAM S	IV YEAR
8	3441910511	BRAJESH KUMAR	IV YEAR
9	3441910512	BRAJESH KUMAR	IV YEAR
10	3441910513	DEVARJUN V S	IV YEAR
11	3441910515	GOBIND MAURYA	IV YEAR
12	3441910517	IRSHAD ANSARI	IV YEAR
13	3441910520	MANGAMPATLA PAVAN	IV YEAR
14	3441910521	MANISH KUMAR	IV YEAR
15	3441910522	MD ABDULLAH KHAN	IV YEAR
16	3441910523	MD JAFAR ALAM	IV YEAR
17	3441910524	MOHAMED RASHID A	IV YEAR
18	3441910525	NADEEM ALAM	IV YEAR
19	3441910526	NAUSHAD ALAM	IV YEAR
20	3441910527	NIRANJAN KUMAR	IV YEAR
21	3441910529	RAHUL KUMAR	IV YEAR
22	3441910530	RAHUL KUMAR	IV YEAR
23	3441910532	RAKESH KUMAR	IV YEAR
24	3441910533	RANJIT TIWARY	IV YEAR
25	3441910536	SANJEEV KUMAR	IV YEAR

26	3441910539	SHAIK RIYAZ	IV YEAR
27	3441910543	VIKASH KUMAR SINGH	IV YEAR
28	3442020502	NITHISH S	IV YEAR
29	3442020503	RAKESH M	IV YEAR
30	3442020504	UDHAYAKUMAR J	IV YEAR
31	3442020505	YOGESHWARAN D	IV YEAR
32	3442054501	DEEPAK P V	IV YEAR



33	3442155501	AMAL S	IV YEAR
34	3442155502	DIAZ K BIJU	IV YEAR
35	3442155503	JITHIN Y OOMMEN	IV YEAR
36	3442156501	AMAL SANTHOSH	IV YEAR
37	3442156502	ANANDHU K RAGHUNATHAN	IV YEAR
38	3442156503	ARJUN GIRISH	IV YEAR
39	3442156504	AROMAL K S	IV YEAR
40	3442156505	JERIN MATHEW THOMAS	IV YEAR
41	3442156506	JISHNU RAJU	IV YEAR
42	3442156507	MELWIN P EBIN	IV YEAR
43	3442156508	MIDHUN SHAJI	IV YEAR
44	3442156509	RIBO JOHN ABRAHAM	IV YEAR
45	3482	SHAIQUE FAREEDH BABU	IV YEAR
46	3489	VENKATESHAN G	IV YEAR
47	3626	ATHUL JOHNSON	IV YEAR
48	3723	JACOB ALEXANDER PHILIP	IV YEAR
49	3739	NUKA NAGA PRASAD REDDY	IV YEAR
50	3746	ADARSH R S	IV YEAR
51	3817	PRATHYUSH PREMARAJAN	IV YEAR
52	3818	SAURAG R	IV YEAR
53	3821	ASHISH SEBASTIAN	IV YEAR
54	3830	DHEERAJ S	IV YEAR
55	3831	ASWANTH S P	IV YEAR
56	3917	SAJAD S	IV YEAR
57	3939	SURYAPRAKASH T	IV YEAR
58	3941	MUHAMMED P	IV YEAR
59	3952	ASHISH VARGHESE	IV YEAR
60	3965	MOHAMMED NAMEER	IV YEAR
61	3966	AMALJITH BIJU	IV YEAR
62	3973	ADAM JOSEPH CHIYEZHAN	IV YEAR
63	3974	SIDHARTH K R	IV YEAR
64	3976	HISHAM KARIM	IV YEAR
65	3981	AKSHAY PRADEEP	IV YEAR
66	3991	AKHIL CHANDRAN	IV YEAR
67	3999	YADHUKRISHNA SURESH	IV YEAR
68	4002	MUHAMMAD SALIH K	IV YEAR
69	3441915531	SANTHOSH	III YEAR
70	3442010501	ABHIMANYU SINGH	III YEAR
71	3442010504	AKASH KUMAR	III YEAR

72	3442010506	CHANDAN KUMAR	III YEAR
73	3442010507	GOPIKRISHNA H	III YEAR
74	3442010511	PONNARASU S	III YEAR
75	3442010512	RANJAN KUMAR MANDAL	III YEAR
76	3442010514	SARANRAJ P	III YEAR
77	3442010515	THARUN KUMAR S	III YEAR
78	3442010516	UDHAYAM K	III YEAR
79	3442010517	VASANTHRAJ R	III YEAR
80	3442010518	VIGNESH R	III YEAR
81	3442010520	YEDDULA DEEKESWAR REDDY	III YEAR
82	3442120501	BALAJI A	III YEAR
83	3442120502	BALAJI P	III YEAR

84	3442120504	GOKUL T	III YEAR
85	3442120505	GOVARATHAN P	III YEAR
86	3442120506	MADHAN RAJ L	III YEAR
87	3442120507	MANIKANDAN M	III YEAR
88	3442120508	MOHAMED RIYAS KHAN S	III YEAR
89	3442120510	NIRMAL KUMAR M	III YEAR
90	3442120511	SANJAY KRISHNAN K	III YEAR
91	3442120516	SUGUMAR B	III YEAR
92	3442120517	TAMIL SELVAN C	III YEAR
93	3442120518	THARUN R	III YEAR
94	3442120519	VASEEM RAHUMAN A	III YEAR
95	3442120520	VIGNESH S	III YEAR
96	3442120521	VIGNESH V	III YEAR
97	3442120522	VIJAYAKUMAR A	III YEAR
98	3442120523	YUGENDRAN S	III YEAR
99	3442154501	VYSHNAV N R	III YEAR
100	3001	S ABIJITH	III YEAR