

INSTITUTION'S INNOVATION COUNCIL (IIC)

CMR TECHNICAL CAMPUS

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Approved by AICTE & Affiliated to JNTUH

Kandlakoya, Medchal Road, Hyderabad-501401



Session Details:

Title of the session: *Training on Technology Readiness Level (TRL) and Manufacturing Readiness Level (MRL)*

Date: 22-12-2025

Duration: 6 hours

Activity Level: Full Day

Expenditure: 10, 000 (Ten Thousand only)

Activity Category: Training on Technology Readiness Level (TRL) and Manufacturing Readiness Level (MRL)

Theme: "R&D Awareness and Capacity Building."

Brief Description of Session:

Technology Readiness Level (TRL) and Manufacturing Readiness Level (MRL) are systematic frameworks used to assess the maturity of technologies and their preparedness for production and deployment. TRL evaluates the progression of a technology from basic principles and conceptual formulation to prototype development, system validation, and successful operation in real-world environments, typically across nine defined levels. In contrast, MRL focuses on the maturity of manufacturing processes, measuring the extent to which a technology can be reliably, cost-effectively, and sustainably produced at scale, encompassing factors such as producibility, supply chain capability, quality control, and workforce readiness. Together, TRL and MRL provide complementary and structured assessments that reduce technical and manufacturing risks, support informed decision-making, and facilitate the effective transition of innovations from research and development to commercialization and large-scale industrial application.

Expert/Speaker Details:

Name: Dr Anoop Kumar Shukla

Designation: Professor & HoD

Organization: JBIIAI, Hyderabad.

Brief about Expert/Speaker:

Dr. Anoop Kumar Shukla is a distinguished academician, researcher, and administrator with over 17 years of teaching, 15 years of research, and 15 years of industrial experience, currently serving as Professor and Head of the Department of Mechanical Engineering and Chief Coordinator of JBIIAI. He holds a Ph.D. in Mechanical Engineering from JNTUH and has made significant contributions in the areas of advanced manufacturing, formability of titanium alloys, materials engineering, and product development. Dr. Shukla has authored and co-authored numerous high-impact research papers in reputed national and international journals, received prestigious awards including the BINANI Gold Medal, Railway Board Gold Medal, and Best Research Awards, and secured major funded projects from SERB

and AICTE. With multiple patents, books, and over 22 guided research scholars, he has played a pivotal role in academic leadership, innovation, and industry collaboration. His contributions extend to organizing national and international conferences, FDPs, and innovation-driven initiatives, reflecting his commitment to excellence in engineering education, research, and technology commercialization

Objective of the activity:

The primary objective of the program on Technology Readiness Level (TRL) and Manufacturing Readiness Level (MRL) is to enhance participants' conceptual clarity and practical understanding of technology and manufacturing maturity frameworks used in research, innovation, and industrial deployment. The program aims to familiarize faculty members, researchers, and industry practitioners with the structured assessment of technological development stages, the alignment of technology maturity with manufacturing preparedness, and the application of TRL–MRL frameworks in project planning, funding proposals, and commercialization strategies. Additionally, the program seeks to

Outcome of the activity:

build competency in identifying technical and manufacturing risks, facilitating informed decision-making, and strengthening academia–industry linkages for translational research.

As an outcome of the program, participants are expected to acquire the ability to critically evaluate the readiness of technologies and manufacturing processes using standardized TRL and MRL metrics. The program enables learners to apply these frameworks in research projects, innovation management, and policy-oriented initiatives, thereby improving the quality of project proposals, technology validation, and scale-up planning. Furthermore, the program contributes to the development of strategic thinking in technology transfer and sustainable manufacturing, empowering participants to support innovation-driven growth and effective commercialization in both academic and industrial contexts.

Participant Details:

Total no. of Student participation: 120

Total no. of Staff (Teaching/Non-teaching) participation: 24

Three to four Photographs/Screenshots that show the participation of students and staff (Teaching/Non-teaching)

Event Brochure:

CMR TECHNICAL CAMPUS
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KANDLAKOYA (V), MEDCHAL ROAD, HYDERABAD, TELANGANA - 501041

INSTITUTION'S INNOVATION COUNCIL
ACCREDITED BY NAAC
nirf INSTITUTE INNOVATION PLANNING FRAMEWORK

Department of Master of Business Administration
in alliance with the Institutions Innovation Council (IIC 8.0)
R&D cell Idea Cafe organising a session on
"Technology Readiness Level (TRL) and Manufacturing Readiness Level (MRL)"

SPEAKER
Dr. ANOOP KUMAR SHUKLA
Professor & HOD,
Chief Coordinator - JBIAI

DATE: 22-12-25 TIME: 10 AM VENUE: Abdul Kalam Seminar Hall
LINK : <https://forms.gle/MVfi5zNAMGWMh4627>

DR. MD. IJFAN
DR. S. SURESHKANTH BASHA
CO-ORDINATORS
R&D CELL & IDEA CAFE
CMR TECHNICAL CAMPUS
HYDERABAD, TELANGANA, INDIA

PROF. K. HARISH REDDY
HOD - MBA
CMR TECHNICAL CAMPUS
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DR. K. NIDHANA LAKSHMI
R&D CELL & IDEA CAFE
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DR. S. SUMA
CONVENOR - IC
CMR TECHNICAL CAMPUS
HYDERABAD, TELANGANA, INDIA

DR. S. RAD CHINTALAPUDI
VICE PRESIDENT - IC
CMR TECHNICAL CAMPUS
HYDERABAD, TELANGANA, INDIA

DR. K. SRIVAN RAJU
PRESIDENT - IC
CMR TECHNICAL CAMPUS
HYDERABAD, TELANGANA, INDIA

DR. A. RAJI REDDY
DIRECTOR
CMR TECHNICAL CAMPUS
HYDERABAD, TELANGANA, INDIA

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Event Photographs:



Attendance details:

Timestamp	Full Name	Contact Number	Email Id	Student Pursuing	Section
12/19/2025 12:11:33	Guggilla Deepika	8897873292	deepikaguggila@gmail.com	MBA	A
12/19/2025 12:12:09	Shashank Pohar	9490070802	shashankpohar85@gmail.com	MBA	A
12/19/2025 12:12:21	Jorrigala vignesh	7674836295	vigneshjorrigala9@gmail.com	MBA	B
12/19/2025 12:12:27	Sunkari Akanksha	7416437560	sunkariakanksha04@gmail.com	MBA	C
12/19/2025 12:12:53	Abhinaya Reddy	8639766544	myluabhinaya@gmail.com	MBA	D
12/19/2025 12:14:01	GURRAM NIKITHA	8179728466	gurramnikitha00@gmail.com	MBA	C
12/19/2025 12:14:24	Divyanjali joshi	8121362852	divyajoshi262@gmail.com	MBA	C
12/19/2025 12:15:00	Manne. Lathamahalaxmi	6281349140	mannelatha911@gmail.com	MBA	C
12/19/2025 12:15:07	Naimisha Sarang	7702538122	naimishasarang11@gmail.com	MBA	C
12/19/2025 12:15:53	Akanksha	8897501012	akanksha462002@gmail.com	MBA	C
12/19/2025 12:16:21	Lambadi Sneha	6300440104	lambadisneha64@gmail.com	MBA	C

12/19/2025 12:18:31	Naga keerthi janyavula	7075235339	keerthijanyavula123@gm	MBA	A
12/19/2025 12:19:16	Nacharam divya	9014935076	nacharamdivya@gmail.c	MBA	C
12/19/2025 12:19:49	Gandari vidyasri	6304486290	vidyasrigandari16@gmai	MBA	A
12/19/2025 12:22:27	Revanth Suddala	6305671015		MBA	A
12/19/2025 12:23:04	Kurella surya	9949350200	Raosurya08@gmail.co	MBA	B
12/19/2025 12:23:41	Teja narmetta	6302350934	narmettateja@gmail.co	MBA	B
12/19/2025 12:24:17	G Sankar Rao	8309957358	sankarsai2217@gmail.c	MBA	B
12/19/2025 12:24:23	Sandeep Goud	9346228114	Pattaparlasandeepgoud	MBA	D
12/19/2025 12:37:29	Ketha Bhavani	7093936327	bhavaniketha77@gmai	MBA	B
12/19/2025 12:42:19	Vakanti navya sree	7093671614	vakantinavyasree@gm	MBA	A

Timestamp	Full Name	Contact Number	Email Id	Student Pursuing	Section
12/19/2025 12:43:13	Keerthana Choutalla	9014143450	keerthanachoutalla@g	MBA	B
12/19/2025 12:44:05	Gaddam sanjeevini prava	7075952949	gpr2949@gmail.com	MBA	B
12/19/2025 12:45:00	Vishal thatikonda	7977368741	vishalthatikonda19@g	MBA	C
12/19/2025 12:45:19	A.Nithin kumar	9705667431		MBA	C
12/19/2025 12:45:39	Vineeth	8074380615	Singarajuvineeth@gm	MBA	C
12/19/2025 12:45:57	P udaykumar	7993247630	udaykumar7630@gma	MBA	C
12/19/2025 12:54:21	Jamuna akash	9182930614	jamunaakash8@gmail.c	MBA	B
12/19/2025 13:13:07	KORVI SNEHA	9100421734	korvisnehamudiraj@g	MBA	D
12/19/2025 13:38:26	MEKALAMEERAJ ASMIN	7981844069	mekalameerajasmine@g	MBA	D
12/19/2025 13:50:19	BUDHARAPU VAMSHI	9701654036	budharapuvamshi@g	MBA	B
12/19/2025 16:30:35	V Shailaja	6302826342	shailajashailaja7630@g	MBA	A
12/19/2025 17:05:56	Arugonda Likitha	8977236671	liki.arugonda@gmail.c	MBA	B
12/19/2025 17:07:14	Prathapaneni Navya	7036721782	Prathapaninavya@10g	MBA	C
12/19/2025 17:08:51	Bollu vikram	9553797027	vikrambollu16@gmail	MBA	C
12/19/2025 19:38:22	R.pravalika	9014458904	pravalikarasuri9@gma	MBA	B
12/20/2025 21:44:04	Tumparthy Venkata Sai T	8919781764	Roamohit93@gmail.c	MBA	D
12/21/2025 11:08:09	Garlapally Amith	7095127438	garlapallyamith@gmai	MBA	B
12/21/2025 11:08:56	Pathepu sruthika	8523848722	pathepusruthika3@gm	MBA	B
12/21/2025 14:12:44	nandakishore mangalagi	9398789723	nandakishore2180@g	MBA	B
12/21/2025 17:11:47	Gunashekarreddy	8074510627	bhairavan752@gmail.c	MBA	B
12/21/2025 19:11:51	Neha Kumbum	7396163791	Kumbumneha21@gm	MBA	B

Timestamp	Full Name	Contact Number	Email Id	Student Pursuing	Section
12/21/2025 19:22:03	Sathwika	8179169733	Yanamadalasathwika22	MBA	B
12/21/2025 20:35:33	Patlolla Anusha	6281211050	anushapatlola2003@gmail	MBA	B
12/21/2025 22:36:10	UPPUTURU VENKATESH	8341128243	upputuruvenkatesh2004	MBA	B
12/22/2025 7:36:39	AMARTHALURI SRAVIKA	8985063398	sravika.amarthaluri@gmail	MBA	A
12/22/2025 9:04:49	G AKHIL	7780506307	aakky339@gmail.com	MBA	B
12/22/2025 9:06:00	Kairamkonda shiva kuma	8341784338	shivakk2607@gmail.com	MBA	B
12/22/2025 9:17:01	Sonali	9390288180	sonasingh9293@gmail.c	MBA	A
12/22/2025 9:18:05	Vidhyavati chillargikar	9639636053	Vidhyachil123.com	MBA	B
12/22/2025 9:19:06	Shaistha zohra	7093493473	zohrashai18@gmail.	MBA	B
12/22/2025 9:25:13	Salomi	7981936870	madugulasalome@gmail	MBA	D
12/22/2025 9:34:14	Ambika Jaiswal	8019289009	amujaiswal04@gmail.l.co	MBA	A
12/22/2025 9:38:00	Vishnuteja Goud	7816080039	vishnutejag660@gmail.c	MBA	A
12/22/2025 9:49:44	Kailash Routh	8801405144	kailashrouth06@gmail.c	MBA	D
12/22/2025 10:00:18	Eshwar Mudiraj	918247201	eshwarmudhiraj2003@gmail	MBA	B
12/22/2025 10:12:45	Bairamoni Tharun	9014593370	tharunbairamoni@gmail.	MBA	A
12/22/2025 10:12:57	Davulla soumya	8143954966	davullasoumya@gmail.c	MBA	A
12/22/2025 10:13:14	Gudala Prasanthi	9177799528	gudalaprasanthi457@gmail	MBA	A
12/22/2025 10:14:04	Tirupathi Nitin	9121018150	nitindvh@gmail.com	MBA	A
12/22/2025 10:14:17	Peddola Rajesh	9951477592	rajeshyadav20102003@gmail	MBA	A
12/22/2025 10:16:25	D.Neeraj	7416726168	dodleneeraj@gmail.com	MBA	A
12/22/2025 10:18:14	M . sony priya	9948668722	sonypriya2606@gmail.c	MBA	C

Timestamp	Full Name	Contact Number	Email Id Pursuing	Student	Section
12/22/2025 10:27:27	Jayanth vejandla	9441159235	jayanthvejandla@gmail.c	MBA	D
12/22/2025 10:34:50	Nidha Mahek	9963154037	nidha4973@gmail.com	MBA	B

Video Link:

Video Link: <https://lnkd.in/gXv7v59V>