MHRD'S INNOVATION CELL (GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

Report on an inspiring session with Dr. Prashant Rawat, Associate Professor, Department of Aerospace Engineering, IIT Madras how to be a "good engineer"

Title of the Session: An inspiring session with Dr. Prashant Rawat, Associate Professor, Department of Aerospace Engineering, IIT Madras how to be a "good engineer"

Organized By: Institution's Innovation Council (IIC), Swami Vivekananda University, Kolkata

Resource Person: Dr. Prashant Rawat, Associate Professor, Department of Aerospace Engineering, IIT Madras
Mode of Delivery: Off-line
No. of Participants: 50
Duration: 8 Hours
Nationality: Indian
Date & Venue: 2nd March 2026, MSB Hall 3, Swami Vivekananda University, Barrack pore, Kolkata, West Bengal

Objectives:

- **To broaden students' perspective on engineering:** Help students understand that engineering is not limited to academic excellence but involves creativity, innovation, and practical application.
- **To introduce emerging technological domains:** Familiarize students with upcoming trends such as Industry 4.0, automation, artificial intelligence, and sustainable energy solutions.
- **To develop a problem-solving mindset:** Encourage analytical thinking, curiosity, and the ability to approach complex challenges systematically.
- **To bridge academia and industry:** Provide clarity on how theoretical concepts learned in classrooms can be effectively applied in real-world scenarios.
- **To guide career planning:** Offer practical insights into setting realistic goals, building strong fundamentals, and pursuing higher studies or research opportunities.
- **To inspire lifelong learning:** Motivate students to continuously upgrade their skills and remain relevant in a rapidly evolving technological landscape.

Theme:

"Becoming a Future-Ready Engineer: Integrating Knowledge, Innovation, and Real-World Problem Solving"

The session revolved around shaping students into engineers who are not only technically sound but also adaptable, innovative, and capable of addressing real-world challenges. It emphasized the importance of continuous learning, interdisciplinary thinking, and ethical responsibility in modern engineering practices.

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Outcome:

- **Enhanced Career Awareness:** Students gained a clearer understanding of various career paths, including higher education, research, and industry roles.
- **Improved Motivation:** The session inspired students to pursue excellence and remain committed to continuous learning.
- **Skill Development Insight:** Participants recognized the importance of both technical and soft skills, including communication, teamwork, and critical thinking.
- **Industry Readiness:** Students understood the expectations of modern industries and how to align their learning accordingly.
- **Innovation Mindset:** The session encouraged students to think creatively and work on innovative ideas and projects.
- **Confidence Building:** Interaction with an expert boosted students' confidence in their abilities and future aspirations.

Session Highlights:

- **Understanding Engineering Excellence:**
  Dr. Prashant Rawat emphasized that a good engineer is defined not just by technical knowledge but by the ability to think critically, innovate, and solve real-life problems efficiently.
- **Evolving Role of Engineers:**
  The session highlighted how the role of engineers is transforming in a tech-driven world, where interdisciplinary knowledge and adaptability are becoming increasingly important.
- **Exploration of Future Opportunities:**
  Students were introduced to high-growth areas such as Industry 4.0, sustainable and renewable energy, advanced aerospace research, and automation technologies.
- **Importance of Strong Fundamentals:**
  The speaker stressed the need to build a solid foundation in core subjects, as they form the backbone for advanced learning and innovation.
- **Practical Career Guidance:**
  Valuable advice was shared on setting goals, maintaining curiosity, engaging in projects, and developing skills that align with industry needs.
- **Bridging Theory and Practice:**
  The discussion focused on how students can apply classroom knowledge to solve real-world engineering problems, making them industry-ready.
- **Interactive Q&A Session:**
  Students actively engaged with the speaker, asking questions about career paths, higher education, and research opportunities, making the session highly interactive and enriching.

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Glimpse of the event:



General Participants Feedback:

- Participants found the session highly inspiring, insightful, and career-oriented.
- Many appreciated the practical approach and real-life examples shared by the speaker.
- Students expressed that the session helped them gain clarity about their future goals and career direction.
- The emphasis on fundamentals and problem-solving was particularly valued.
- The interactive nature of the session made it engaging and thought-provoking.
- Several participants mentioned feeling motivated to explore new technologies and research areas.
- Overall, the session was regarded as a valuable learning experience that went beyond traditional classroom teaching.

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Recommendations:

- Incorporate sustainable practices in future Programs.
- Encourage collaborative initiatives among participants.
- Ensure continued engagement through follow-up workshops or sessions.

Signature of the Convenor with University Seal

Convener:
Dr. Ranjan Kumar,
Convener, IIC Cell
Associate Professor & Head, Dept. of Mechanical Engineering,
Swami Vivekananda University, Kolkata-700121.

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An inspiring session with Dr. Prashant Rawat, Associate Professor, Department of Aerospace Engineering, IIT Madras, how to be a "Good Engineer"

Date: 02/03/2026

Sl. No.	Name	Department	Registration No.	Signature
1	Swachi Mondal	M.E	002-101-2025-710	
2	SAJAL PAL	B.Tech. ME	002-101-2024-217	S. Pal.
3	Sourik Patra	B.Tech ME	002-101-2025-713	S. Patra
4	Rhythm Majumder	M.E	002-101-2024-265	
5	Sandip Patra	B.Tech M.E.	002-101-2024-224	Spatra
6	Ranjan Das	M.E	002-101-2024-214	
7	Rajib Mondal	B.Tech M.E	002-101-2024-197	
8	Pritam Sahoo	D.M.E	000-101-2024-112	Pritam
9	Binay Jana	D.M.E.	000-101-2024-089	Binay Jana
10	KARTIK BHOWMIK	D.M.E	000-101-2024-127	Kartik Bhowmik
11	Rehan Majumder	D.M.E	000-101-2024-024	RM
12	Abhijit Bhowmik	D.M.E	000-101-2025-065	Abhijit Bhowmik
13	Suman Mandal	D.M.E	000-101-2025-105	Suman Mandal
14	SAMITOSH SAHOO	DME	000-101-2024-036	Samitosh Sahoo
15	Pritam Biswas	D.M.E.	000-101-2024-072	Pritam Biswas
16	Sourodip Maity	DME	000-101-2024-027	S. Maity
17	Aman kr Singh	DME	000-101-2024-076	Aman kr Singh
18	Subha Kr. Routh	DME	000-101-2023-007	Subha Kr. Routh
19	Rahul Ghosh	DME	000-101-2024-136	R. Ghosh
20	Prabir Roy	DME	000-101-2024-198	
21	Bishal Krishna Mondal	DME	000-101-2024-139	
22	GOKUL MISTRI	D.M.E	000-101-2024-137	G. Mistri
23	Sanju Gorain	D.M.E	000101-2024-140	Sanju Gorain
24	Samiran Ghorai	D.M.E	000-101-2024-124	Samiran Ghorai
25	Tanmoy Ghosh	D.M.E	000-101-2024-115	Tanmoy Ghosh
26	Arijit Mondal	DME	000-101-2024-135	AM
27	Sujan Padra	DME	000-101-2024-133	Spadra
28	Gunpada Jana	BME	002-101-2024-109	
29	Anirab Jana	B.ME	002-101-2024-042	Anirab Jana
30	Krishnendu Das	BME	002-101-2024-135	Krishnendu Das
31	Mihir Datta	BME	002-101-2024-149	MDatta
32	Joy Halder	BME	002-101-2024-118	Joy
33	Jayjit Roy Sankar	BME	002-101-2024-117	Jayjit Roy Sankar
34	Rakesh maity	BME	002-101-2024-109	Rakesh maity
35	Gourav Kumar Chakraborty	B.M.E	002-101-2024-104	
36	Suchandan Das	B.M.E	002-101-2024-291	
37	Ghanshyam Rajbanshi	B.M.E	002-101-2024-101	

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38	Soheil Ansari	B.M.E	002-101-2024-247	Soheil
39	Danish Imam	BME	002-101-2024-078	Danish.
40	Ayan Sinha	BME	002-101-2024-058	
41	Arnjan Adak	BME	002-101-2024-033	A. Adak.
42	Somnath Modi	BME	002-101-2024-27	
43	Soyman Reza	BME	002-101-2024-25	S. Reza
44	Debabrata Ghorai	BME	002-101-2024-079	
45	Sougata Jana.	BME	002-101-2024-254	Sougata Jana.
46	Rohan Dinda	BME	002-101-2024-207	R. Dinda
47	Suman Pramanik	BME	002-101-2024-306	
48	Soumyajit Mallick	BME	002-101-2024-262	Soumyajit Mallick
49	Sumit Dutta	BME	002-101-2024-308	Sumit Dutta
50	Aditya kumar Bera	BME	002-101-2024-009	Aditya kumar Bera
51	Moirthunjoy Bhowmik	BME	002-101-2024-256	MBhowmik
52	SOURAV BARIK	BME	002-101-2024-264	SOURAV BARIK
53	Sudip Mondal	BME	002-101-2024-295	sudip mondal
54	Sukdev Das	BME	002-101-2024-300	Sukdev Das
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