



SIDDHARTHA

ACADEMY OF HIGHER EDUCATION

An Institution **DEEMED TO BE UNIVERSITY**

(Under Section 3 of UGC Act, 1956)

(Sponsored by Siddhartha Academy of General & Technical Education), Vijayawada, A.P.

REPORT ON GUEST LECTURE ON “FUTURE TRENDS IN STANDARDIZATION: AI GOVERNANCE, SMART CITIES, AND SUSTAINABILITY GOALS”



**SIDDHARTHA ACADEMY OF HIGHER
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**SCHOOL OF MANAGEMENT
WELCOMES**

Shri K Sai Kaushik
Scientist D /Joint Director
Bureau of Indian Standards

For Guest Lecture on:

**FUTURE TRENDS IN STANDARDIZATION:
AI GOVERNANCE, SMART CITIES, AND SUSTAINABILITY GOALS**

 **NOVEMBER 3, 2025**

AT 03:00 - 04:30 PM

Venue

Administrative Block Seminar Hall



INTRODUCTION

The School of Management (SOM), Siddhartha Academy of Higher Education, organized an insightful Guest Lecture on “Future Trends in Standardization: AI Governance, Smart Cities, and Sustainability Goals” on 3rd November 2025 at the Administrative Block Seminar Hall.

The lecture was delivered by Shri K. Sai Kaushik, Scientist D / Joint Director, Bureau of Indian Standards (BIS), who shared his expertise on how standardization plays a crucial role in ensuring quality, safety, innovation, and sustainability in a rapidly evolving technological landscape.

The session aimed to create awareness among MBA students about the significance of standards as enablers of trust, trade, and innovation. It also provided an understanding of how standardization connects with emerging trends such as Artificial Intelligence (AI) governance, smart urban development, and sustainability goals.

The programme commenced with a welcome address by the Head of the Department, who emphasized the importance of organizing such knowledge-sharing sessions to bridge the gap between academic learning and industry practice. He highlighted that understanding standardization and governance frameworks is essential for management graduates aspiring to work in global, technology-driven environments.

Following this, Shri K. Sai Kaushik took the stage to deliver his guest lecture. He began his address by explaining that “Standards are the invisible infrastructure of progress,” forming the foundation for quality, safety, and reliability across every sector of the economy.

GUEST PROFILE

Shri K. Sai Kaushik

Scientist D / Joint Director, Bureau of Indian Standards (BIS), Government of India

Shri K. Sai Kaushik is a distinguished professional serving with the Bureau of Indian Standards (BIS) — India's National Standards Body under the Ministry of Consumer Affairs, Food & Public Distribution. With extensive experience in policy formulation, standardization processes, and regulatory frameworks, he has played a key role in developing standards for emerging technologies, artificial intelligence, sustainability, and smart infrastructure.

He has represented India in various international forums related to ISO, IEC, and AI Ethics Committees, contributing to the alignment of Indian standards with global best practices. Known for his clarity, analytical depth, and futuristic perspective, Shri Kaushik emphasizes that effective standardization fosters innovation, ethical governance, and sustainable growth.



SESSION HIGHLIGHTS

Part I: Understanding Standards

Shri K. Sai Kaushik began the session by explaining the fundamental concept of standards as voluntary consensus documents that define quality, safety, interoperability, and sustainability across industries. He elaborated that standards form the foundation for trust, trade, and innovation, ensuring that products, services, and technologies function seamlessly and reliably.

He provided an overview of the Bureau of Indian Standards (BIS), highlighting its pivotal role as India's National Standards Body (NSB) responsible for framing national benchmarks and aligning them with global frameworks such as ISO and IEC. Shri Kaushik explained how BIS contributes to industrial growth, consumer protection, and international competitiveness through science-based standardization.

Part II: AI Governance and Standardization

The second segment of the lecture delved into Artificial Intelligence (AI) Governance — one of the most pressing areas of modern standardization. Shri Kaushik explained how AI has permeated diverse domains, including healthcare diagnostics, financial fraud detection, autonomous vehicles, e-governance, and defense systems.

He stressed that while AI offers immense potential, it also raises ethical, legal, and accountability challenges that necessitate robust ethical AI standards. BIS is currently working on frameworks to ensure transparency, fairness, and explainability in AI systems, promoting public trust and safeguarding human values.

Students were particularly intrigued by his insights on the global collaboration between BIS and ISO/IEC JTC 1/SC 42 (Artificial Intelligence) — a committee developing international standards on AI terminology, risk management, and governance.



Part III: Smart Cities and Urban Standardization

In the third part, Shri Kaushik addressed the theme of Smart Cities, linking it with India's flagship mission to develop 100 Smart Cities with an investment of ₹2 lakh crore. He emphasized that smart cities depend on standardized frameworks for e-governance, waste management, urban mobility, safety, and data interoperability.

He explained that standards ensure different systems — from smart grids and traffic sensors to waste management and public service delivery — work together seamlessly. “Interoperability is non-negotiable,” he noted, stressing that without standardized data systems, smart city projects cannot achieve sustainability or efficiency.

This segment helped students connect urban management theories with the technical backbone of standardized governance systems.

Part IV: Sustainability and Green Standards

Shri Kaushik then turned to Sustainability Goals, explaining how green standards support India's commitment to the UN Sustainable Development Goals (SDGs). He emphasized that

sustainability is not merely an ethical obligation but also a business opportunity, where “green standards lead to green profits.”

He discussed BIS initiatives in areas such as renewable energy certification, waste reduction, eco-labelling, and circular economy models, motivating students to view sustainability through the lens of innovation and profitability.

Part V: The Future of Standardization

In the concluding segment, Shri Kaushik provided a forward-looking perspective on emerging frontiers in standardization, including:

Quantum Computing Standards

6G Communication Protocols

Metaverse Interoperability Frameworks

Space Technology Standards

He emphasized that tomorrow’s professionals must become “standard-savvy managers” who understand how compliance, innovation, and governance intersect in the digital economy. The talk concluded with a call to action for students to actively engage with evolving technological ecosystems and contribute to India’s leadership in global standardization.

INTERACTIVE Q&A SESSION

The session concluded with an engaging question-and-answer round, where students sought career guidance and insights from the guest speaker.



Question 1:

As management students, how can we build careers in the field of standardization, quality management, or sustainability? Are there specific skills or certifications we should focus on?

Shri Kaushik suggested that students develop a foundation in quality management systems (ISO 9001), environmental management (ISO 14001), and sustainability frameworks (ESG, SDG alignment). He recommended pursuing certifications in TQM, Six Sigma, or ISO auditing, and developing analytical, problem-solving, and communication skills.



Question 2:

In your experience, how is Artificial Intelligence changing the way organizations think about quality and standardization? What kind of job opportunities can we expect in this area in the coming years?

He explained that AI is driving data-driven decision-making and automated quality assurance processes. Future roles will focus on AI ethics compliance, algorithm auditing, and digital governance. He encouraged students to explore interdisciplinary skills that combine management, data analytics, and policy awareness.



Question 3:

Many of us aspire to work in global companies. How can understanding international standards like ISO help us stand out in the job market?

Shri Kaushik emphasized that understanding global standards enhances a candidate's credibility and adaptability in multinational environments. He noted that ISO knowledge reflects professionalism and awareness of global best practices, giving MBA graduates a competitive edge in corporate and consulting careers.



Question 4:

Could you please suggest some simple ways for MBA students to stay updated and upskill themselves in areas like AI governance, ESG, or smart city management?

He recommended that students follow BIS publications, ISO newsletters, and NITI Aayog reports, and enroll in online certification courses offered by reputed platforms like Coursera, edX, and BIS e-learning portals. He also advised attending webinars and conferences on sustainability and digital transformation.



Question 5:

Finally, Sir, what advice would you give young managers like us to contribute to India's mission of "Quality and Sustainability for All" through our professional roles?

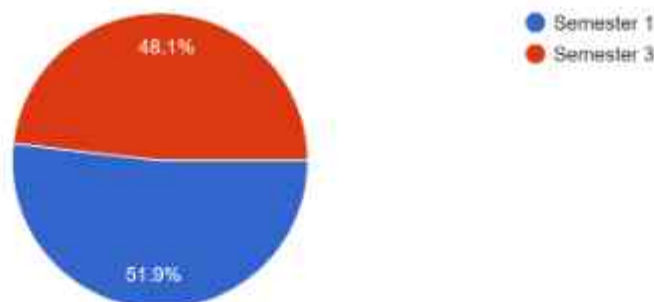
Shri Kaushik encouraged students to adopt a mindset of continuous improvement and ethical leadership. He urged them to integrate quality and sustainability principles into everyday decision-making, support "Make in India" initiatives, and be ambassadors of responsible innovation in their respective organizations.

KEY TAKEAWAYS

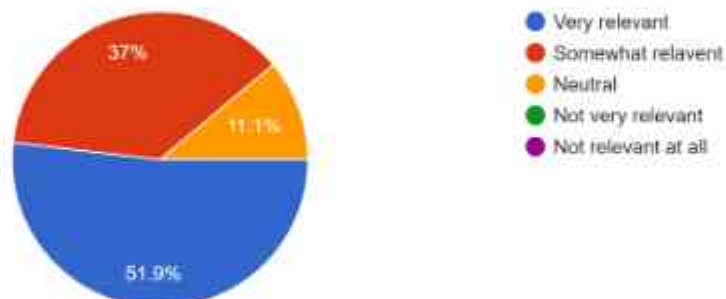
- Standards are the invisible infrastructure of progress, ensuring trust, quality, and innovation.
- AI needs ethical governance frameworks — BIS is leading efforts toward responsible AI deployment.
- Smart cities thrive on interoperability and standardized systems.
- Sustainability equals strategic growth — green standards create long-term profitability.
- Future-ready managers must be standard-aware, blending knowledge of governance, quality, and sustainability.

STUDENT FEEDBACK AND INSIGHTS

Semester
27 responses

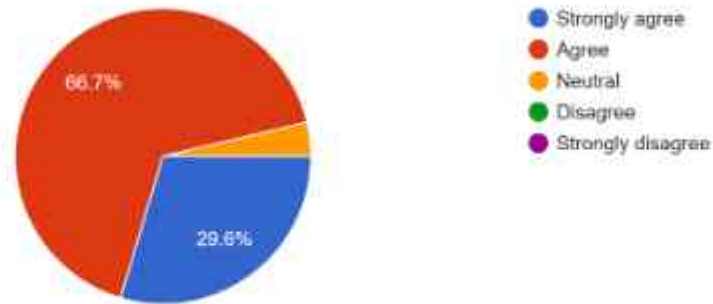


How relevant was the topic to your course or interests ?
27 responses



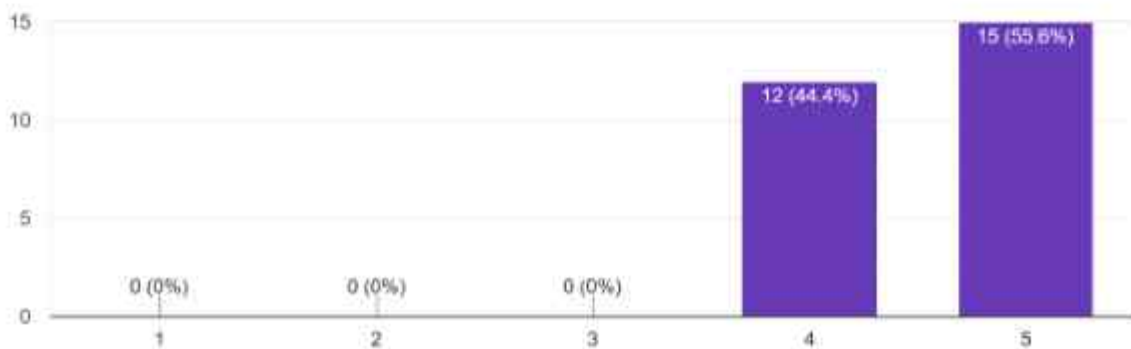
The content of the lecture was informative and useful.

27 responses



Overall, how would you rate this guest lecture?

27 responses



Students found the lecture highly relevant, futuristic, and intellectually enriching.

They appreciated Shri Kaushik's clear communication style and real-world illustrations of standardization in business and technology.

The interactive Q&A session was particularly appreciated for its career-oriented insights and practical guidance on certifications, AI governance, and sustainable leadership.

Participants expressed that the session helped them develop a deeper appreciation for policy-driven innovation and the role of ethical standards in modern management.

CONCLUSION AND VOTE OF THANKS



The guest lecture by Shri K. Sai Kaushik provided valuable insights into how standardization drives progress across technology, governance, and sustainability domains.

It encouraged management students to adopt a strategic and ethical approach to professional growth and to contribute actively to India's mission of global excellence in quality and sustainability.

The event concluded with a Vote of Thanks delivered by a student representative, expressing heartfelt gratitude to Shri K. Sai Kaushik for his inspiring address and valuable guidance.

Appreciation was also extended to the Head of the Department, faculty members, and organizing committee for facilitating a session that successfully bridged academic learning with real-world applications.

SENIORS ATTENDENCE SHEET

SIDDHARTHA ACADEMY OF HIGHER EDUCATION

Vijayawada-520007
(Deemed to be University)
2024-2026

FUTURE TRENDS IN STANDARDIZATION: AI GOVERNANCE, SMART CITIES, AND SUSTAINABILITY GOALS
BY SHRI K. SAI KAUSHIK

VENUE: ADMIN BLOCK SEMINAR HALL

DATE: 3rd November,
2025 TIME: 03:00PM

S.No	ROLLNUMBER	NAME OF THE CANDIDATE	SIGNATURES
1	24MP01001	ADAPAPAAVAN	
2	24MP01002	BATNANAGAKANAKATEJASWINI	
3	24MP01003	BHASHYAMHEMASRI	
4	24MP01004	BOMMISETTYSAKTHISRILAKSHMI	
5	24MP01005	CHALAGURUGULASAI DIVYA	
6	24MP01006	CHALAPAKADEEPIKA	Ch. Deeksha
7	24MP01007	CHAVATAYATHDHARMASHAKTHINI	Ch. Y. D. Shakthini
8	24MP01008	CHERUKUDURGABHARATHI	Ch. Durga Bharathi
9	24MP01009	CHINTADAYASASWINI	Ch. Yasaswini
10	24MP01010	DEEPIKAMISHRA	
11	24MP01011	DESUGAYATHRIPRAGNA	Gayatri D
12	24MP01012	DODDAGANGABHAVANI	D. Gangabhavani
13	24MP01013	GADDAMVEDAVARSHINI	G. Vedavarsini
14	24MP01014	GANJARAPALLIGAYATHRI	G. Gayathri
15	24MP01015	GAYATHRITRIPURANI	T. Gayathri
16	24MP01016	GUDLAVENKATASIVAMANIKEERTHAN	G. Keerthana
17	24MP01017	HARSHINIVOOSA	V. Harshini
18	24MP01018	JAHNAVIALEKHYAMADISETTY	Jahnavi
19	24MP01019	JALADIYASASWINI	J. Yasaswini
20	24MP01020	JANJANAMMEGHANA	J. Meghana
21	24MP01021	JOGASRINIVAS	J. Srinivas
22	24MP01022	KAJADHANALAKSHMI	Ramalakshmi
23	24MP01023	KOLLATIKARTHIKNAIDU	
24	24MP01024	KOLLUJOSHIKA	Josika
25	24MP01025	KONDAVEETITHEJITHA	K. Tejitha
26	24MP01026	MADEMSWARNALATHA	M. Swarna Latha
27	24MP01027	MEESALASOWJANYA	M. Sowjanya
28	24MP01028	MOHAMMADRAHIMUNNISA	Md. Rahimunnisa
29	24MP01029	MOHAMMEDAFREENFATHIMA	Md. Afsheen

30	24MP01030	MOHAMMEDFARZANA	Md. Farzana
31	24MP01031	MONDRUALEKHYA	
32	24MP01032	MUNNANGISAHITH	
33	24MP01033	NADIPILLIUMADEVI	n. una dev.
34	24MP01034	NAGAHARINIGURRAM	G.P. Nagaraj
35	24MP01035	NAYANAGANNU	N. S.
36	24MP01036	PALLEKONDAKEERTHANA	P. Keerthana
37	24MP01037	PANNIRUKAVYA	P. Kavya
38	24MP01038	PARUSUMANOJ KUMAR	
39	24MP01040	PETLABHAVANA	P. Shavana
40	24MP01041	POKANAGAPUJITHA	P. N. Pujitha
41	24MP01042	PONNAPALLIDEVISRI	P. S.
42	24MP01043	RACHETIBALU	R. S.
43	24MP01044	SADIASIDDIQA	Sadia Siddiq
44	24MP01045	SAMMETAJASWANTH	
45	24MP01046	SHAIKAMEESHABEGUM	Sh. Ameeta Begum
46	24MP01047	SHAIKAMREENKOUSAR	Kousar
47	24MP01048	SHAIKMUNWARTEHASEEN	Sh. Munwar Haseen
48	24MP01049	SHAIKRETHIKROSHAN	Sh. Reethik Roshan
49	24MP01050	SHAIKSHAIJYABEGUM	Sh. Shaiya Begum
50	24MP01051	SUNKARASRINAGATULASI	S. Tulasi
51	24MP01052	SUVARAPUVENKATAJAGANNADHA KUMAR	S.V.J. Kumar
52	24MP01053	SYEDRUHEENA	Syed Ruheena
53	24MP01054	TAMMINASHASHANK	
54	24MP01055	THOLETIKUMARNAGASAI	Kumar Nagasai
55	24MP01056	THOTAANURADHA	T. Anuradha
56	24MP01057	THURAKAKRANTHI	T. Kranthi
57	24MP01058	TIRUVURUMOUNIKA	
58	24MP01059	TURANGIBHARGAV	
59	24MP01060	VANUKURUGIRJASREEREVATHI	V. S. Revathi
60	24MP01061	VASAMEGHANA	V. Megha
61	24MP01062	VEERAVALLIVENKATADSUBRAMANYAM	V.V.D. Subramanyam
62	24MP01064	VIJIANITHA	
63	24MP01065	VINUKONDASRIYA	V. Sriya
64	24MP01066	YADLAPALLINAVYA	Y. Navya
65	238WIE0002	AKULARAJESWARI	A. Rajeswari

JUNIORS ATTENDENCE SHEET

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Vijayawada-520007(Deemed to be University)2024-2026

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SUSTAINABILITY GOALS**
BY SHRI K.
SAI KAUSHIK

VENUE: ADMIN

BLOCK SEMINAR HALL

DATE: 03rd November 2025 TIME: 03:00 PM

S.NO	ROLL NUMBER	NAME OF THE STUDENT	SIGNATURES
1	25MP01001	ADAVIKATLA SUGUNA SRITHA	A. Sreetha
2	25MP01002	AKULA KALYAN	
3	25MP01003	ALUGOJU LIKHITA	
4	25MP01004	APPALA VENKATA NAGA SRILATHA	Srilatha
5	25MP01005	APPIKATLA NARENDRA KUMAR	A. Narendran K.R.
6	25MP01006	CHAVALA PAVITHRA	Ch. Pavithra
7	25MP01007	CHITHIRALA VASAVI	Ch. Vasavi
8	25MP01008	DAKAMARI JAGADEEP	D. Jagadeep
9	25MP01009	DALAPATHIRAO CHARISHMA	
10	25MP01010	DEVANABOYINA NAVYA SRI	D. Navyasri
11	25MP01011	GADDAM PRABHAS	G. Prabhas
12	25MP01012	GANGAVARAPU VASANTHI	G. Vasanthi
13	25MP01013	GODAVARI PAVANI	G. Pavani
14	25MP01014	GONNABHAKTULA TEJESH HANUMANTH KUMAR	Tejesh
15	25MP01015	GOWRABATTINA YOGESH	G. Yogesh
16	25MP01016	GRADDALA VINAY TEJA	
17	25MP01017	GUNNAM KUSHWANTH KUMAR	K. Kushwanth
18	25MP01018	GURRANA VEERA BABU	G. Veera Babu
19	25MP01019	JALUDU GAYATHRI MANASA	J. Gayathri Manasa
20	25MP01020	JAYA LAKSHMI SHANMUKI POLAM	P. Lakshmi
21	25MP01021	KAMBALA LIKHITA	
22	25MP01022	KANAGALA HARSHA VARDHAN	H. Vardhan
23	25MP01023	KANCHARLA KEDHAR PRABHU	K. Prabhu
24	25MP01024	KATARI VAMSI	K. Vamsi
25	25MP01025	KATTA TEJA	
26	25MP01026	KODALI SRI VIDYA	K. Sri Vidya
27	25MP01027	KONGARA KRISHNA DEEPIKA	K. Krishna Deepika
28	25MP01028	KORRA CHANDANA BAI	K. Chandana Bai
29	25MP01029	KOTHAPALLI SAI HARSHITHA	K. Harshitha

30	25MP01030	KOTTI LALITHA NAGA RATNAM	
31	25MP01031	KRISTAM GITA SRI	K. Lalitha
32	25MP01032	KURACHA VENKATA SAI NIHAR	
33	25MP01033	MALLESWARAPU VIJAYA LAKSHMI	
34	25MP01034	MECHINENI D V S N SAI SUDEEPTHI	M. Vijaya
35	25MP01035	MEKALA SRI LAKSHMI	
36	25MP01036	METLAPALLI YAMINI LAKSHMI PRIYA	M. Yamini
37	25MP01037	MUNDLAPATI DENCY MOSES	M-D Dency Moses
38	25MP01038	NEPPALLI GAYATRI	
39	25MP01039	NILUFAR MONDAL	Nilufar Mondal
40	25MP01040	NUKATHOTI GNANA KEERTHANA	N. Keerthana
41	25MP01041	P N S NIKITHA TIRUVEEDHULA	N. Nikitha
42	25MP01042	PARUCHURI AJAY	Ajay
43	25MP01043	PASUPULETI YAMINIESWARI	P. Yaminieswari
44	25MP01044	PONNURI KAVYA TEJASWI	P. Kavya Tejaswi
45	25MP01045	POTHINENI HRUTHIK	
46	25MP01046	POTLURI TARUN KUMAR	Tarun Kumar
47	25MP01047	PUPPALA LEELA CHANDRIKA SARWANI	P. L. Chandrika Sarwani
48	25MP01048	ROMALA MOHAN KUMAR	R. Mohan Kumar
49	25MP01049	SAYYAPARAJU HARI CHARAN VARMA	Hari Charan Varma
50	25MP01050	SEELAM YAGNASRI	S. Yagnasri
51	25MP01051	SHAIK AYESHA	Sh. Ayesha
52	25MP01052	SHAIK KAJA MOHIDDHIN	Sh. Mohiddhin
53	25MP01053	SHAIK SHABNA	Sh. Shabna
54	25MP01054	SOUTANI SHANMUKHA TEJA KUMAR	
55	25MP01055	SURE VENKATA HARSHA VARDHAN SAI	S. Harsha Vardhan Sai
56	25MP01056	SURISSETTY PREM	Prem
57	25MP01057	TADIKAMALLA SAI SOWMYA	
58	25MP01058	TELLAKULA MADHU KALYAN	M. Madhu Kalyan
59	25MP01059	TUNGALA NAGA HARSHITA	
60	25MP01060	VAKKALAGADDA LOHITHA	
61	25MP01061	VALIVETI LEELA NAGA VENKATA SRI ANUSHA	V. Anusha
62	25MP01062	VALLURUPALLI HARINI	V. Harini
63	25MP01063	VEERLA REVATHI	
64	25MP01064	VELAMALA NEELAVENI	V. Neelaveni
65	25MP01065	VENNA AVINASH	V. Avinash
66	25MP01066	VUJAYA VYSHNAVI MUVVALA	

