ASCE STUDENT CHAPTER BS Abdur Rahman University

INSTITUTION'S INNOVATION COUNCIL (Ministry of Education Initiative)

B.S. Abdur Rahman Crescent Institute of Science & Technology Deemed to be University u/s 3 of the UGC Act, 1956

SCHOOL OF INFRASTRUCTURE

DEPARTMENT OF CIVIL ENGINEERING

Ref.:1253/ Dean (Sol) / 0825 **Date: 13.08.2025**

REPORT ON GUEST LECTURE SERIES

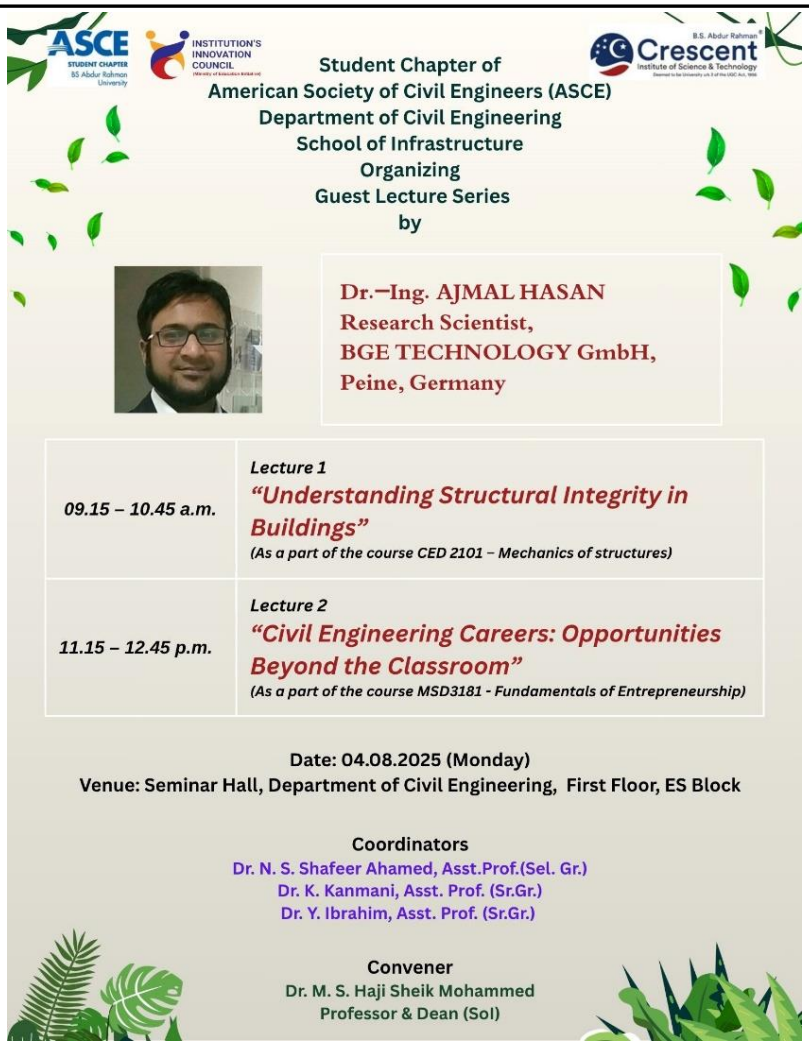
Date & Time	Speaker	Title	Venue
04.08.2025 & 9.15 a.m. - 10.45 a.m.	Dr. -Ing. AJMAL HASAN Research Scientist, BGE TECHNOLOGY GmbH, Peine, , Germany	Understanding Structural Integrity in Buildings	Seminar Hall, Dept. of Civil Engineering, BSACIST
04.08.2025 & 11.15 a.m. - 12.45 p.m.		Civil Engineering Careers: Opportunities Beyond the Classroom	

I. PREAMBLE:

The Student Chapter of the American Society of Civil Engineers (ASCE), Department of Civil Engineering, School of Infrastructure organized a guest lecture series on **"Understanding Structural Integrity in Buildings"** on **04.08.2025** from **9.15 a.m. to 10.45 a.m.** and **"Civil Engineering Careers: Opportunities Beyond the Classroom"** from **11.15 a.m. to 12.45 p.m.** at Seminar Hall, Department of Civil Engineering for the benefit of II Year, III Year B.Tech Civil Engineering and M.Tech. Structural Engineering students.

II. ABOUT THE SPEAKER

Dr.-Ing. Ajmal Hasan is currently working as a Research Scientist at BGE TECHNOLOGY GmbH, Peine, Germany. He pursued his Doctor of Engineering (Dr.-Ing.) in Civil Engg., TU Braunschweig, Germany in the year 2018 and completed his Master of Technology (M.Tech.) in Civil Engineering (Structures), IIT Guwahati, India in the year 2012. He was a former DAAD young ambassador. He has published his simulation research in reports, conference proceedings, and peer-reviewed journals. He also contributed to the development assessment methods and analyses for the integrity analyses of future, and also performed underground repositories for safe disposal in different host rock formations in Germany. His work includes modeling of DFN and integrated into numerical models as well as designed the lining systems at the intersection of emplacement drifts based on the geo-mechanical simulations.



Programme Invitation

III. ABOUT THE SESSION

Dr. M. S. Haji Sheik Mohammed, Professor & Dean (SoI) extended a cordial welcome to the guest and participants, and gave a brief introduction of the guest speaker. He further highlighted the importance of the lecture on structural integrity in buildings and stressed the crucial role of higher education in advancing knowledge and professional growth.

1. Understanding Structural Integrity in Buildings

The session was structured to provide a comprehensive understanding of Structural integrity in buildings which is defined as the ability of a structure to withstand intended loads throughout its service life without experiencing failure. Safety, durability, and functionality are ensured through appropriate design, quality construction, and proper maintenance practices.

The integrity of a building is influenced by factors such as material quality, adequacy of design, workmanship standards, and prevailing environmental conditions. Structural failures are often caused by overloading, design deficiencies, poor construction quality, or inadequate maintenance. Compliance with modern building codes and standards is mandated to achieve and verify reliability. The assessment of structural health is carried out using non-destructive testing methods to avoid damage during inspection. Consideration is given not only to everyday usage loads but also to seismic, wind, and fire loads. Life-cycle assessment is employed to predict service life and identify necessary interventions. Retrofitting and strengthening measures are implemented when structural integrity is compromised. By ensuring structural integrity, lives, property, and economic resources are safeguarded.

These contents were deliberated in this lecture series for the second year students.

2. Civil Engineering Careers: Opportunities Beyond the Classroom

The session was structured to provide a comprehensive understanding of Study opportunities in civil engineering in Germany and other European countries, providing pathways for advanced learning and global exposure. Admission to universities is generally granted based on academic performance, language proficiency requirements, and relevant entrance qualifications. In Germany, programs are offered in both English and German, with many public universities waiving tuition fees, requiring only minimal semester contributions. Across Europe, application processes are facilitated through centralized platforms such as Uni-Assist in Germany or country-specific admission portals. Scholarships are awarded by organizations such as the DAAD (German Academic Exchange Service), Erasmus+, and various university-specific funding schemes, enabling financial support for international students. Opportunities are provided for specialization in areas like structural engineering, sustainable construction, transportation systems, and environmental engineering. Research-oriented programs allow participation in industry collaborations and funded projects. Internships with European companies are often integrated into the curriculum, enhancing practical skills and employability. Graduates are offered prospects in both domestic and international job markets, supported by post-study work visa provisions. Through these opportunities, academic growth, cultural exchange, and professional advancement are simultaneously achieved.

These contents were deliberated in this lecture series for the B.Tech Third Year - Civil Engineering and M.Tech Final year – Structural Engineering students.

A. The following faculty members were present during the session Faculty Members

1. Dr. A. K. Kaliliuthin, Associate Professor
2. Dr. N. S. Shafeer Ahamed, Assistant Professor (Sel. Gr.)
3. Dr. K. Kanmani, Assistant Professor (Sr. Gr.)
4. Dr. Y. Ibrahim, Assistant Professor (Sr. Gr.)
5. Dr. M. Vishal, Assistant Professor
6. Dr. Mohd. Umar , Assistant Professor

B. The following students were present during the lecture on "Understanding Structural Integrity in Buildings"

II Year B.Tech. Civil Engineering Students

S.NO	RRN	NAME
1.	240011601002	ABDUL AZEEZ W
2.	240011601003	ABDUL HAMEED B
3.	240011601004	ABUL FIRAZ UDUMAN R
4.	240011601005	ARSHAD M
5.	240011601006	DINESH S
6.	240011601008	U K HEMAVARSHINI
7.	240011601009	MARIA BALAN V
8.	240011601010	MOHAMED AJMAL M
9.	240011601011	MOHAMED ASIK N
10.	240011601012	MOHAMED BILAL S
11.	240011601013	MOHAMED MADHAR NAZIH H
12.	240011601014	MOHAMMAD FAHAD
13.	240011601015	MOHAMMAD SHAAMIL K Z
14.	240011601016	MOHAMMAD TAYYIB F
15.	240011601017	C MOHAMMED ANAS
16.	240011601019	MOHITHA A
17.	240011601021	SHAIK ASLAM
18.	240011601022	SUNDARRAJ R
19.	240011601023	SUTHARSAN V

20.	240011601024	SYED SAMEER S A
21.	240011601025	WASIM AKRAM H
22.	240011601026	YOGESHWARAN R
23.	240011601027	ABINAYABHARATHI A
24.	240011601028	MOUDA MOHAMMED AZHAN SAAD
25.	240011601029	MOUDA MOHAMMED ABUBAKKAR SIDDIQUE
26.	240011601030	PEER MOHAMMED S
27.	240011601031	KAVIYA G
28.	240011601032	THASLIM ALI M
29.	240011602001	M AADIL
30.	240011602002	I ASHADU DEEN
31.	240011602003	V BHARANIDHARAN
32.	240011602004	BHARATH E
33.	240011602005	R ILAMBIRAAI
34.	240011602006	R LENIN
35.	240011602007	MOHAMED IRFAN KM
36.	240011602008	A PRITHIVIRAJ
37.	240011602009	SETHU SEKHAR
38.	240011602010	SHADIQ HUSSAIN
39.	240011602011	BV DHANUSH KODI

C. The following students were present during the lecture on "Civil Engineering Careers: Opportunities Beyond the Classroom"

III Year B.Tech. Civil Engineering Students

S.NO	RRN	NAME
1	230011601001	Abdul Aadhil M
2	230011601002	Abdul Rahim
3	230011601003	Akram Jaweeth A
4	230011601004	Aravinthan Theivaraj
5	230011601008	Jameel Ahamed M
6	230011601009	Mahalakshmi K
7	230011601010	Mohamed Aslam S

8	230011601011	Mohamed Shadiqm
9	230011601012	Mohamed Yasin S
10	230011601014	Mohammed Faaiz K
11	230011601015	Mohammed Mehran P
12	230011601016	Mohammed Razeen T
13	230011601017	Mohammed Siddiq S
14	230011601018	Rameeza Yasmin P K
15	230011601019	Roshan Asfaq
16	230011601020	Saad Sayeed Shairkhan
17	230011601021	Surya Moorthy M
18	230011601022	Syed Ahamed K M
19	230011601023	Syed Masooth
20	230011601024	Thokchom Wanglen Moilangcha
21	230011602001	Abdul Asif M
22	230011602002	Esakki Rajesh R
23	230011602003	Faslan Ahamed A
24	230011602006	Mohamed Yusuf Irfan M
25	230011602007	Naufal Ahamed
26	230011602008	Rithvik.K
27	230011602009	Muhamadhu Sulthan S
28	230011602010	Dileep Kumar S

II Year M.Tech. Structural Engineering Students

S.NO	RRN	NAME
1	241202601001	Derrick Shalvin. M.
2	241202601002	Giri Ravendar. M.
3	241202601004	Judson Gnanadurai. C
4	241202601005	Jessica Jenny James
5	241202601006	Lavanya. D
6	241202601007	C. G. Lohith
7	241202601008	Mohamed Zuhairdeen. A
8	241202601009	Sethu Raman
9	241202601010	Waqas Ahmad Sheik

The vote of thanks was delivered by Dr. N. S. Shafeer Ahamed, Assistant Professor (Sel. Gr.). He also expressed the gratitude to the Dean, School of Infrastructure for providing the opportunity to organize the guest lecture, and also extended appreciation to the guest

speaker for delivering an informative session.

IV. COURSE RELEVANCE & OUTCOMES:

The guest lecture titled "Understanding Structural Integrity in Buildings" adds significant value to the course CED 2102 Mechanics of Structures by equipping students with an overview of advanced topics and diverse technologies in the field of civil and structural engineering.

The guest lecture titled "Civil Engineering Careers: Opportunities Beyond the Classroom" adds significant value to the course MSD3181 by equipping students with an overview of demonstrating ideas to identify and evaluate international higher education and research opportunities, particularly in Germany and other European countries, and apply this knowledge to develop innovative, entrepreneurial ventures in the civil engineering domain by leveraging global academic networks, funding schemes, and cross-cultural collaborations.

12/08/2025 12/08/2025 12/8/2025

Dr. Y. Ibrahim	Dr. K. Kanmani	Dr. N. S. Shafeer Ahamed
Asst. Prof. (Sr. Gr.)	Asst. Prof. (Sr. Gr.)	Asst. Prof. (Sel. Gr.)

13/08/2025

Dean, Sol

(Dr. M. S. Haji Sheik Mohammed)

Dr. M.S. Haji Sheik Mohammed
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