

SAMRAT ASHOK TECHNOLOGICAL INSTITUTE, VIDISHA



Newsletter of Civil Engineering

5th Edition (July-Dec 25)

For internal circulation only



FROM THE HoD's DESK :

Dear All,



It gives me immense pleasure to present the July-December 2025 (5th Edition) issue of our Department's. This publication celebrates the remarkable achievements and contributions of our community—faculty, students, supporting staff and alumni alike—over the past six months.

As we are entering in 2026, let us remain focused on pushing boundaries, fostering collaboration, and inspiring the next generation of engineers.

Together, we will continue to uphold our tradition of excellence, contributing to both national and global challenges with integrity and vision.

Thanks
Prof. Dr. Rajeev Jain

ACHIEVEMENTS IN BRIEF

1. Sixteen students were awarded their M. Tech. degree.
2. Faculties have published more than .. Research Publications in peer-reviewed journals.
3. More than 50 numbers of Testing & Consultancy works of various Government agencies and private. organizations have been completed and generated total revenue of Rs 4.75 Lacs.
4. Total 09 students were placed in reputed organizations.
5. Book publications (03).

Faculty Achievements -

1. Books Published by Dr. J. S .Chauhan

1. Handbook on “**Construction Training Trades**” (Hindi & English Version) – Published by Construction Industry Development Council (CIDC) established by Planning Commission now Niti Aayog, New Delhi - Released by **Hon’ble Shri. Harsh Malhotra Ji, Union Minister of State in the Ministry of Corporate Affairs; and Minister of State in the Ministry of Road Transport and Highways** New Delhi. **April 2025**
2. **Vastu kala & Sthapatyakala** (Hindi Version) – Published by Bhartiya Dharohar New Delhi Released by **Honble Shri Acharya Devvrat Ji, Governor of Gujrat & Maharashtra**– **September 2025**
3. **Trenchless Technology** (Methods, Machines & Modern Applications) Published by Indian Society for Trenchless Technology (IndSTT) New Delhi. Released by **Dr. P. R. Swarup Ji, Director General, Construction Industry Development Council (CIDC)** New Delhi .**Nov. 2025.**

2. Research publications / session chaired by Dr. J.S.Chauhan

1. Presented a research paper on “Adopting to smart construction Navigating Technological Transformation and evaluating Customer expectation in the Indian Infrastructure Sector” organized by 1st IATM and 25th Glogift International Conference 2025 on dated 28th -31th May 2025 at Point Park University, Pittsburgh, PA. (Published by IATM, **USA 29th May 2025**).
2. Chaired the Session “In the Conference organized by 1st IATM and 25th Glogift International Conference 2025 on dated 30th May 2025 at Point Park University, Pittsburgh, PA USA.
3. Research paper on Cooperatives in the 21st century: International perspective and the role of innovation. Published in NCHF Bulletin Vol. XXXVIII No. **02 August 2025**.
4. Research paper on Effect of quick lime addition for improving compressive strength of fly ash based (cement free) Geo-polymer concrete by Manish Mudgal, Akash Nageshwark, Ramesh Kumar Chouhan, Vedansh Mudgal, **Janardan Singh Chauhan & Avanish Kumar Srivastava**. Published in Indian journal of Engineering and Materials sciences **Vol. 32, August 2025, pp.417-424**.
5. Research paper on Resilient cities in India: Strategies for effective urban crises response and sustainable recovery. Published in NCHF bulletin: Vol. XXXVII No. **3-4 September 2025**.
6. Attended and delivered key note address as special guest in National Webinar on Indian Knowledge System and tribal Society on **15th October 2025** organized by Govt. model College, Vidisha (M.P.)”

7. Research paper on Urban crises response in the 21st century: Innovation, Challenges and Policy imperative
Published in Nirman Sarika Oct. 2025 by Building Material Technology Promotion Council (BMTPC), Ministry of Housing ,New Delhi.
8. Published Paper entitled relison and vastu sthapatya kala in two days International Conferences on Narration on Hindutava: Discourser, Challenges and future (7-8 Nov. 2025) Organized by Shri. Lal Bahadur Shastri Nation Sanskrit University New Delhi, in Collaboration with center for Hindu Studies, University of Delhi, Vishwa Samawad Kendra Delhi & Indian Council of Philosophical Research New Delhi. **(7-8 Nov. 2025).**
9. Chaired the Session on “Hindu Dharma & Stree Venue Vanchaspati Sabhagar Shri Lal Bhadur Shastri National Sanskrit University, New Delhi. **(08 November 2025)**
10. Research paper on Atmanirbhar Youth: A new vision through Housing Cooperative Societies (Nov.-Dec. 2025) Vol. XXXVIII No. **5-6 Nov. - Dec. 2025.**
11. **Delivered lecture on Smart Plumbing & Waterproofing Techniques for Sustainable Buildings on dated 21 December 2025 in Zonal Conference of Indian Building Congress MP State Chapter at Bhopal (M.P.).**
12. Three Articles Published in Hindi Magazine Bhartiya Dharohar Between **July 2025 to December 2025.**
13. Articles Published in Different Hindi News Papers Between **July 2025 to December 2025**

3.Dr. J.S.Chauhan ,Visited Eight Universities in the month of June 2025 in USA.

1. Point Park University, Pittsburgh. U.S.A.
2. Carnegie Mellon University (CMU), Pittsburgh. U.S.A.
3. University of Pittsburgh. (Pitt) U.S.A.
4. Pennwest University Clarion. U.S.A.
5. Louisiana Tech University (LATech), Ruston. U.S.A.
6. The University of Texas at Arlington (UTA) U.S.A.
7. Monroe University Monroe. U.S.A.
8. John Hopkins University Baltimore. U.S.A.

4.Delivered lecture on Smart Plumbing & Waterproofing Techniques for Sustainable Buildings on dated 21 December 2025 in Zonal Conference of Indian Building Congress MP State Chapter at Bhopal (M.P.).



Dr.Rajeev Jain published a research paper entitled **Physics-informed machine learning for predicting the unconfined compressive strength of clay soils using real and synthetic data** Published in Asian Journal of Civil Engineering <https://doi.org/10.1007/s42107-025-01609-z>

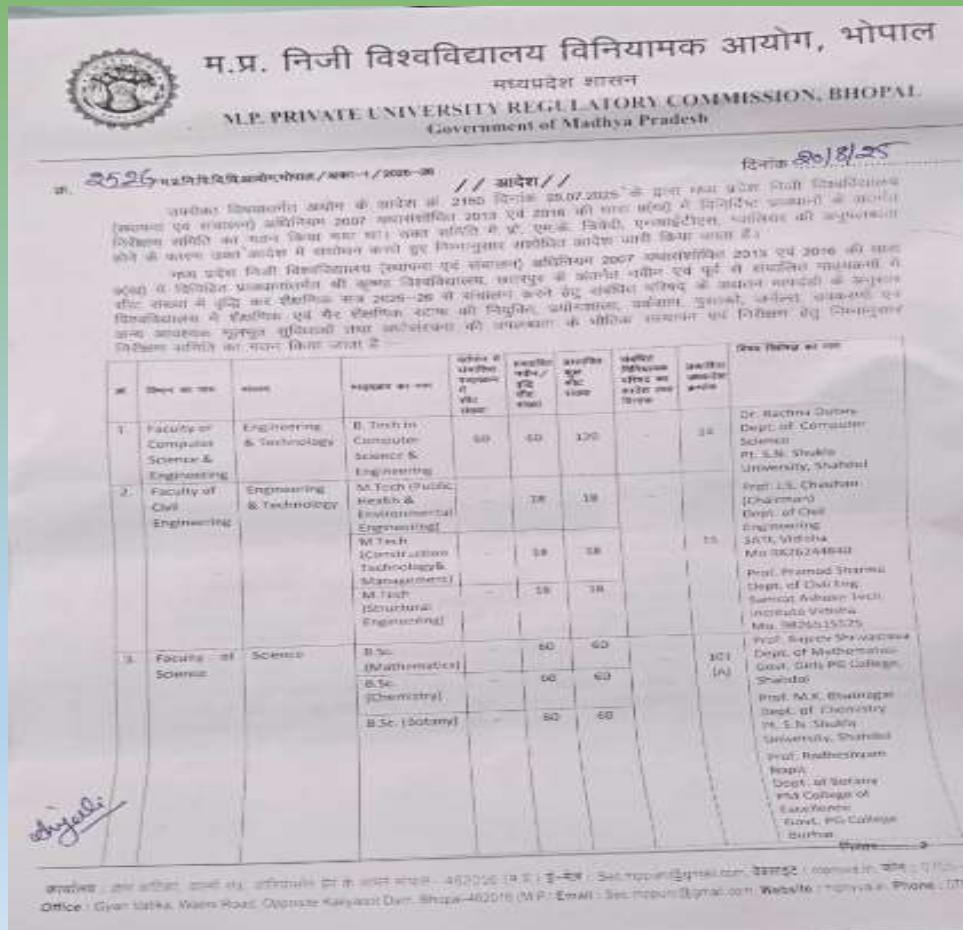
Dr.Rajeev Jain published a research paper entitled **“Analysis of the Effect of E-wire Waste on Soil Stabilization”** Published in ISSN : 1549-523-X Issue 3 July-Oct . 2025

Dr.Sanjay Bhandari published a research paper entitled **“Strategic Planning of Solid Waste Management of Vidisha City,(M.P.)”** published in IJCRT Volume 13 Issue 10 , Oct. 2025

Dr.Pramod Sharma published a research paper entitled **“Design Of Sewage Treatment Plant for S.A.T.I.”** published in JETIR (www.jetir.org) ISSN UGC approved Journal No: 63975 Volume 12 Issue 8, 25 August 2025

Dr.Pramod Sharma published a research paper entitled **“Strategic Planning of Solid Waste Management of Vidisha City,(M.P.)”** published in IJCRT Volume 13 Issue 10,Oct. 2025

5. Madhya Pradesh Private University Regulatory Commission Bhopal, appointed Dr.J.S. Chauhan and Dr.Pramod Sharma as Chairman and member respectively to visit the Krishna University Chhattarpur, M. P. for approval of different courses.



6. Construction Industry Development Council New Delhi, appointed Dr. J.S. Chauhan as special guest and key note speaker on 28-29 August 2025 in the Rojgar Mela and Industry conclave organized in SSSUTMS Shehore



Construction Industry Development Council

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E-mail: ride@ride.in | ride@ride.in WebSite: www.ride.in

CIDC/RM/SSSUTM/2025

August 26, 2025

To
Dr. Janardan Singh Chauhan
Senior Professor and Former Director
Samrat Ashok Technological Institute
Vidisha, M.P.

Sub: Request to join the Rojgar Mela and Industry Conclave as Keynote Speaker on 28–29 August 2025 at SSSUTMS, Sehore

Dear Sir,

SSSUTMS, Sehore, in collaboration with the Construction Industry Development Council (C IDC), New Delhi, is organizing an Industry Conclave and Rojgar Mela on 28-29 August 2025 at the University Campus.

The objective of this event is to create a meaningful interface between academia, industry, and aspiring youth by bringing together industry leaders, academic experts, policymakers, and job seekers on a common platform. The conclave aims to deliberate on emerging industry trends, skill development initiatives, and employment opportunities, while the Rojgar Mela will facilitate direct industry-student interaction and career placements.

In view of your distinguished academic and professional contributions, it is our privilege to invite you as a Special Guest and Keynote Speaker for the program. Your insights and experience will be of immense value to the participants, and your presence will greatly enrich the event.

We look forward to your kind acceptance and presence at the conclave.

With warm regards.

 (Dr. P. R. Swarup)
Director General
Construction Industry Development Council

7. Dr shubha Khatri Assistant Professor of the department along with Dr.Rajeev Jain and Dr.S.S.Goliya presented a paper titled “Generated procedure for analysis of flexible performance of Beams situated on Geosynthetic Reinforced Granulated filled Stone Column enhances Earth Work ” in 11th International Conference on Transportation System Engineering and Management (CTSEM2025) organized by MANIT Bhopal during 4th 5th july 2025 .



8. Dr. Shubha Khatri Assistant Professor of the department presented a paper titled “Experimental Analysis on M-Sand Concrete including Waste Rubber Tire Powder & PP Fiber” in 3rd International Conference on “Recent Advancements in Civil Engineering”-RACE 2k25 on 7th & 8th November 2025.

9. Dr. Shubha Khatri Assistant Professor of the department has successfully completed 12 weeks course on Geo synthetic and Reinforced Soil Structures organized by NPTEL – AICTE.



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to

DR SHUBHA KHATRI

for successfully completing the course

Geosynthetics and Reinforced Soil Structures

with a consolidated score of 48 %

Online Assignments	14.44/25	Proctored Exam	33.75/75
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Total number of candidates certified in this course: 63

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM



Indian Institute of Technology Madras

Jul-Oct 2025

(12 week course)



केशल भारत - कुशल भारत



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)

This certificate is awarded to

DR SHUBHA KHATRI

for successfully completing the course

Geosynthetics and Reinforced Soil Structures

with a consolidated score of 48 %

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras



(Jul-Oct 2025)

Duration of NPTEL course : 12 Weeks

Roll No: NPTEL25CE72S353200927

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16th Nov, 2023, similar to other refresher / orientation courses. E No: AICTE / RIED / FDP through MOOCs / 2023

Roll No: NPTEL25CE72S353200927

To verify the certificate



No. of credits recommended: 3 or 4

STUDENTS ACHIEVEMENTS—

Two students of the department ,Prerana Rathore and Anamika Sharma (2021-25 batch) are selected in “Alpha Innovation Company” on a package of 450000 +100000.



24 June,

Dear PRERNA RATHOD ,

hr@alphainnovation.in

Following your application and the subsequent interview with us, we are delighted to extend an employment offer to you at **ALPHA INNOVATION PVT LTD**. We would like to congratulate you on your new role Business Development Associate.

We look forward to support your growth as you embark on your professional journey with us.

The terms and conditions of this offer are as follows:

1.Designation: You will be Employed as a Business Development Associate Intern.

2.Remuneration: You will be entitled up to ₹22,000/- per month, including performance pay (up to ₹18,000/-) and variable pay (₹10,000/-), subject to completing 28 working days per month. On successful completion, you may receive a post-internship offer with a total annual compensation of 4,50,000 + 1,00,000 (Variable).

You will undergo a 05-day On-Job Training period at starting of probation, which will be unpaid.

3.Transition obligations: Employees must provide 15 days' written notice before resigning, the company will provide the same notice for termination. During this period, employees are expected to maintain the company's performance standards. Both parties agree to comply for a smooth transition.

Your responsibilities will include those for which you are engaged, as well as any other duties assigned by your manager from time to time. By accepting this offer, you agree to perform all responsibilities assigned to you with due care and diligence in compliance with the management norms and clauses.

4.Confidentiality:

By accepting this offer letter of employment, you acknowledge that you will keep all information strictly confidential and refrain from using it for your own purposes or disclosing it to anyone outside of the company. Upon conclusion of your tenure, you will immediately return all company property, equipment, and documents, including electronically stored information.



24 June,

Dear AMBIKA SHARMA ,

hr@alphainnovation.in

Following your application and the subsequent interview with us, we are delighted to extend an employment offer to you at **ALPHA INNOVATION PVT LTD**. We would like to congratulate you on your new role Business Development Associate.

We look forward to support your growth as you embark on your professional journey with us.

The terms and conditions of this offer are as follows:

1.Designation: You will be Employed as a Business Development Associate Intern.

2.Remuneration: You will be entitled up to ₹22,000/- per month, including performance pay (up to ₹18,000/-) and variable pay (₹10,000/-), subject to completing 28 working days per month. On successful completion, you may receive a post-internship offer with a total annual compensation of 4,50,000 + 1,00,000 (Variable).

You will undergo a 05-day On-Job Training period at starting of probation, which will be unpaid.

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Your responsibilities will include those for which you are engaged, as well as any other duties assigned by your manager from time to time. By accepting this offer, you agree to perform all responsibilities assigned to you with due care and diligence in compliance with the management norms and clauses.

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Final year Agriculture Branch students completed their Internship at
Bhopal sahkari Dugdh Sangh Bhopal



Departmental Activities-

Final and pre final year student of the department visited
OMRF Pipe and Products, Village Kanha Saiyya Ayodhya, Bhopal on August 28 2025.



Department organised an awareness program with expert talk on
“Realistic & Awareness Approach Towards Soil-Structure Interaction Problem for Sustainable Construction”
on 29th August 2025

 **Samrat Ashok Technological Institute, Vidisha (M.P.) INDIA**
(A Grant in AID, NAAC & NBA Accredited and Autonomous Engineering College) 


Our Hon'ble Chairman

 **Department of Civil Engineering**
An Awareness Program with Expert Talk
On
“Realistic & Awareness Approach towards Soil-Structure-
Interaction Problem for Sustainable Construction”
Under
MPCST Granted Project, Bhopal (M.P.) 
Date: 29th August 2025
Venue: SMART CLASS ROOM


Dr. Y.K. Jain
Director


Dr. Rajeev Jain
Prof. & Head
Project Investigator


Dr. Shubha Khatri
Assistant Professor
Co-Project Investigator


Dr. Vandana Tare
Retd. Prof. & Head,
SGSITS Indore, M.P.
Keynote Speaker


Dr. Aruna Rawat
Assistant Professor, UIT
RGPV, Bhopal, M.P.
Keynote Speaker



Celebration of Engineers day to commemorate the 165th birth anniversary of Sir M. Visveshvaraya, an engineering pioneer and Bharat Ratna awardee. (popularly known as Sir MV). on 15th September



Department celebrated the Vishwakarma Poojan on 17.09.2025



Students of Government High School (Madhav Ganj No 2) Vidisha Visited Civil Engineering Department on 12.12.2025.



Department has organised one-week Faculty Development Program on
“Roll of AI in Civil Engineering for Sustainable Development” (Dec 22-27, 2025)

Inaugural function of FDP



**Dr. Rajeev Jain H.o.D.
Civil Felicitating to
Dr Ashutosh Datar**



**Dr. Ashutosh Datar
Delivering expert
lecture on Roll of AI
in the development
of Smart Cities
(22.12.25)**

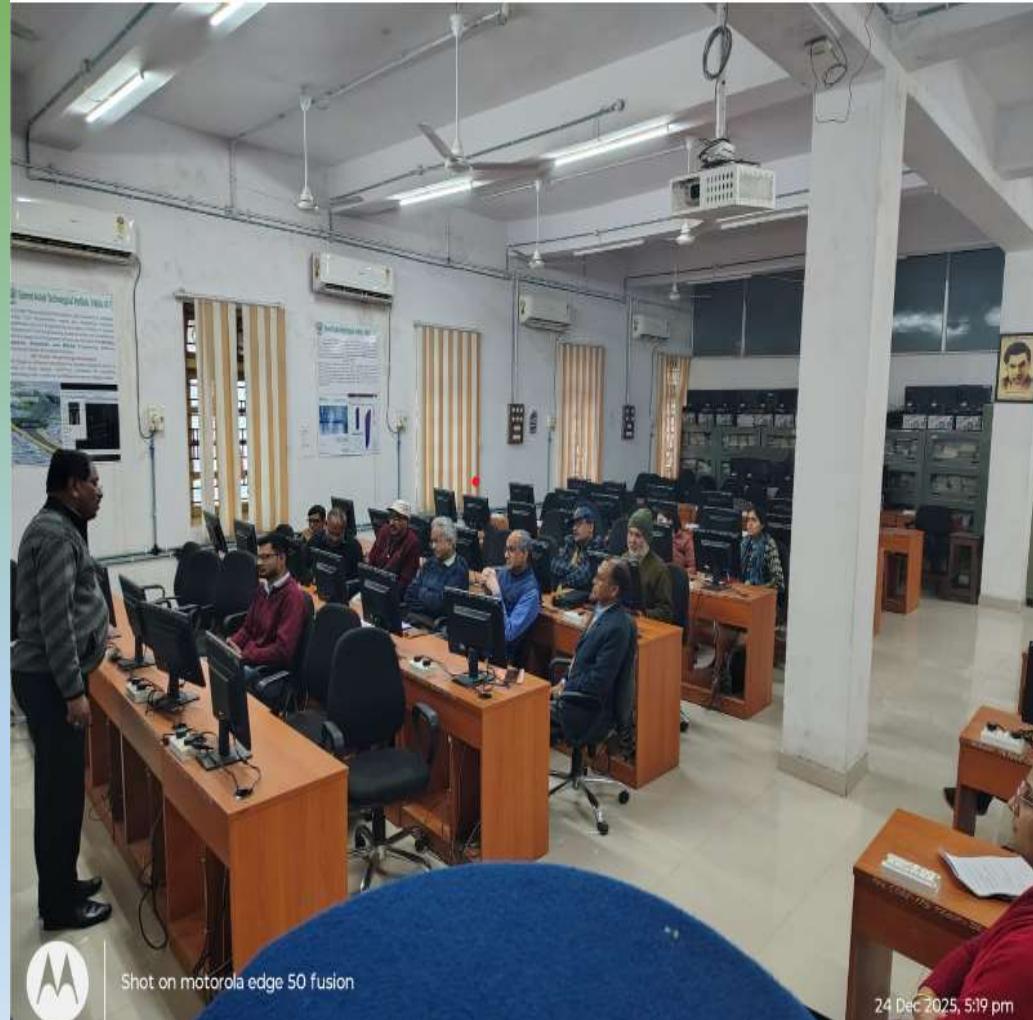
**Dr Sandeep Raghuwanshi, Senior AI Engineer Datacor NYJ
delivering his Lecture. (24.12.25)**



**Dr. Jitendra Tandekar Asstt. prof. SATI Elect Engg
Dept delivering his Lecture.**



**Dr. Pankaj Agrawal, Coordinator AICTE IDEA Lab
delivering his Lecture.**



Shot on motorola edge 50 fusion

24 Dec 2025, 5:19 pm

Valedictory Function of FDP 26.12.2025



F.D.P. Program in Media



विदिशा 24-12-2025

एआई की सिविल इंजीनियरिंग में भूमिका को गहराई से समझें विद्यार्थी : जैन

मारुती प्र संवाददाता | विदिता



विद्युता क्षमताला का दृष्टान्त बनते हुए अतिथिगण

आधुनिक तकनीकों पर चर्चा होगी। इनसे सिविल इंजीनियरिंग को ज्यादा प्रभावी बनाने के उपर्युक्त समाने आएं। उद्यान समारोह में संस्थान के निदेशक डॉ. वाय.के. जैन मुख्य अतिथि रहे। विशेष अतिथि के रूप में डॉ. फंकज अग्रवाल, डॉ. राजीव जैन, डॉ. प्रमोद शर्मा, डॉ. संजय भंडारी

और कार्यक्रम समन्वयक ढां
एस.एस.गोलिया मौजूद रहे।
डां. गोलिया ने कहा कि वह
कार्यशाला एआई के प्रभावी उपयोग
को समझने में मदद करेगी। डां.
जैन ने प्रतिभागियों से कहा कि वे
एआई की भूमिका को गहराई से
समझें ताकि इसका लाभ समृज
तक पहुँचे।

କାର୍ଯ୍ୟ

सिविल इंजीनियरिंग में एआई का प्रयोग सीखेंगे प्राध्यापक

एसएटीआई में छह दिवसीय फेकल्टी डेक्ललपमेंट प्रोग्राम शुरू



एक	सिविल इंजीनियरिंग में योगदान पर व्याख्यान दिया जावेगा।	ऐसाथ ही किशोर अंतिमिति के रूप में दृढ़, पंकज अवामान को अंडिनेट एवं एकाईसीटी आईडिया लेख, त्रृतीय ग्रन्थीय जैन विभागाभ्यक्ष सिविल इंजी, विभाग, डॉ. प्रमोद सर्मात
द्वितीय	डाटाटन समारोह के अवसर पर संस्था के निदेशक तृतीय वायक वैन, मुख्य अंतिमिति के रूप में उपस्थिता	

प्राच्यापक मिविल इंजी, विभाग, डॉ. सदय भण्डारी प्राच्यापक मिविल इंजी, विभाग, एवं डॉ. एसएस गोलिया प्रोग्राम को अंगठीनेट उपस्थित थे, डॉ. एसएस गोलिया ने अपने स्वामान भाषण में सभी प्रतिभागियों को इस उचितवार्ता कार्यपाला के बारे में विस्तार पूर्वक बताया और कहा की यह कार्यपाला सिविल इंजी के कार्यक्षेत्र में अपना विषय योगदान प्रदान करेगी। कार्यक्रम के मुख्य अतिथि डॉ. वाल्के जैन, निदेशक ने उपस्थित सभी प्रतिभागियों को कार्यपाला में उपस्थित होकर अच्छे से सीखना है एवं एकाई की सिविल इंजी, में महत्वपूर्ण भूमिका क्या होगी जिससे सिविल सोसायटी को इसका लाभ दिया जाके इस पर आप लोगों को विस्तारपूर्वक इन इह विषयों में सीखना है, साथ ही कार्यपाला की संपूर्ण टीम को बधाई देते हुए साराहना की, यथा का संचालन है, शुभा खुशी ने किया एवं आभार अब डॉ. बबतु किरा महसंयोजक द्वारा अब किया गया, इस अवसर पर डॉ. रावेन द्वारे, इंजी. प्रवीण करको, डॉ. डोका का साहू है, रामसाम मेहर, प्रो. मत्यम बानन्देश, हां, स्वीटी जैन, प्रो. मेहा जैन, प्रो. शिवायी जैन, प्रो. दीपक शर्मा, प्रो. उषा किरन तिवारी आदि उपस्थित थे,