

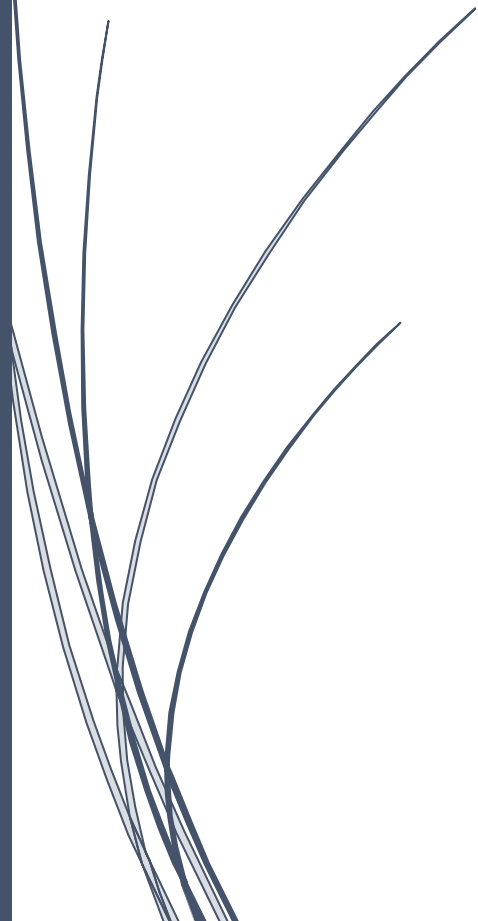


**S. P. B. PATEL
ENGINEERING COLLEGE**
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS



**EVENT REPORT ON
HEC-RAS SOFTWARE
WORKSHOP**

MAY 4, 2022



HEC-RAS Software Workshop

Date: April 4, 2022

Participants: 10

Conducted by: Prof. Joseph Sebastian

The Civil Engineering Department at Saffrony Institute of Technology organized a one-day workshop on HEC-RAS software on April 4, 2022, facilitated by Prof. Joseph Sebastian. The workshop was designed for 3rd-year students, providing them with valuable insights and practical knowledge on modeling water flow through open channels.

Workshop Highlights:

Software Overview: Prof. Joseph Sebastian commenced the workshop with an introduction to the HEC-RAS software, emphasizing its significance in modeling water flow through open channels. The software's applications in floodplain management and flood insurance studies were particularly highlighted.

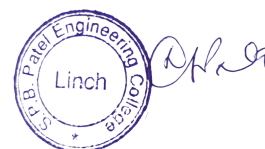
Topics Covered:

- Installation of the software
- Understanding various terms and concepts of open channel flow
- Modeling of a river cross-section
- Steady Flow Analysis
- Unsteady Flow Analysis
- 1-D Flood Modeling

Benefits of the Workshop:

- Proper understanding of basic concepts of Open Channel Flow
- Knowledge about flood modeling scenarios
- Advancement in skills for aspiring Water Resources Engineers and Civil Engineers

Interactive Learning:



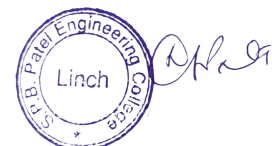
The workshop focused on an interactive learning approach, allowing participants to actively engage in discussions, practical exercises, and hands-on activities related to HEC-RAS.

Outcome:

The HEC-RAS Software Workshop was successful in providing participants with a comprehensive understanding of water flow modeling and analysis. The practical knowledge gained during the workshop is expected to enhance the skills of the 10 participants in the field of water resources engineering.


Conclusion:

Saffrony Institute of Technology appreciates the efforts of Prof. Joseph Sebastian and the Civil Engineering Department in organizing a successful workshop on HEC-RAS software. The institution remains committed to providing students with practical learning opportunities that contribute to their academic and professional growth.



Photographs:

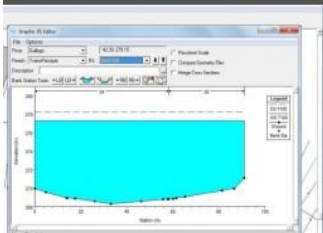
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Saffrony Institute of Technology presents

HEC-RAS

Workshop



Topics Covered in the Workshop


- Installation of the software
- Understanding various terms and concepts of open channel flow
- Modelling of a river cross section
- Steady Flow Analysis
- Unsteady Flow Analysis
- 1-D Flood Modelling

Benefits of the Workshop

- Proper understanding of the basic concepts of Open Channel Flow
- Knowledge about the actual scenario of flood modelling.
- A step ahead in being a better Water Resources Engineer and thus a better Civil Engineer.

An E-Certificate for the workshop will be provided after successful completion of the workshop


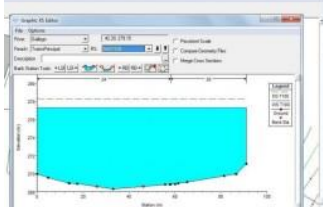
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Saffrony Institute of Technology presents

HEC-RAS

Workshop



US Army Corps of Engineers

HEC-RAS

FULLY SUPPORTED

Date of Workshop
4th April, 2022

HEC-RAS is a computer software for modeling water flowing through systems of open channels and computing water surface profiles. HEC-RAS finds particular commercial application in floodplain management and [flood insurance] studies to evaluate floodway encroachments.

Conducted by
Joseph Sebastian Sibi
Assistant Professor
Civil Engineering Department
Saffrony Institute of Technology

Phone
8799273684

E-mail
joseph.sebastiansibi@saffrony.ac.in

