



ASSOCIATION OF ALL COMPUTER SCIENCE TEACHERS (AACST)

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In collaboration with

G H RAISONI SKILL TECH UNIVERSITY, NAGPUR



REPORT ON NATIONAL LEVEL ONLINE BOOT CAMP

DATA SCIENCE BOOT CAMP

From Data to Deployment

A Five-Day Learning Journey from Data Science Foundations to Career Readiness

6–11 October 2026 | 6:30 PM to 8:00 PM (IST) | Online Mode

166	5	5	Online
Total Participants	Learning Sessions	Days	Mode

1. Event Details

Title	Data Science Boot Camp
Nature of Event	National Level Online Boot Camp
Dates	6–11 October 2026 (five learning sessions and a valedictory programme)
Session Timing	6:30 PM–8:00 PM IST for the regular evening sessions; Valedictory on 11 October, 12:30 PM IST
Organised by	Association of All Computer Science Teachers (AACST)
In Collaboration with	G H Raison Skill Tech University, Nagpur
Target Audience	Students, faculty members, research scholars, and learners interested in Data Science, Machine Learning, Generative AI, and career preparation

2. Event Overview

The Association of All Computer Science Teachers (AACST), in collaboration with G H Raison Skill Tech University, Nagpur, organised the National Level Online Data Science Bootcamp, “From Data to Deployment,” from 6 to 11 October 2026. The programme comprised five learning sessions and a valedictory programme. It was designed to guide participants through key stages of the Data Science journey, from foundations and data preparation to Machine Learning, Generative AI, and career readiness.

The bootcamp brought together 166 participants from across the nation on a common online platform. Each session focused on a complementary area of learning, combining conceptual understanding with practical applications and professional development.

3. Organising Team and Key Contributors

Patron and Mentor	Dr. Abha Khandelwal, Founder, AACST
Director	Dr. Amina Vali, G H Raison Skill Tech University, Nagpur
Convenor	Ms. Anindita Kundu, Assistant Professor, G H Raison Skill Tech University, Nagpur
Technical Support	Dr. Ojas Garg (online session support and session recordings)

Organizing Team	Dr. Aruna Chamatkar; Dr. Akansha Budholiya; Dr. Ganesh Kumar Dixit; Dr. Mukul Bhonde; Dr. Pratibha Rashmi; Ms. Rupa Rajkumari; Mr. Rakesh Uikey; Ms. Shweta Kanojiya
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4. Objectives of the Bootcamp

- Strengthen participants' understanding of Data Science fundamentals and the overall Data Science workflow.
- Refresh Python programming and introduce practical approaches to data handling and analysis.
- Build awareness of data cleaning, exploratory analysis, and the preparation of data for modelling.
- Introduce Machine Learning approaches and the stages of model training and evaluation.
- Explore Generative AI tools and prompt engineering for data analysis, research, and coding.
- Help participants understand internship and placement preparation, professional profiles, portfolios, and interviews.

5. Session Proceedings

Day 1: 6 October 2026

Topic: Data Science Foundations and Python Refresher

Resource Person: Dr. Abha Khandelwal, Retd. HoD (Dept. of Computer Science), Hislop College, Nagpur.

Chairperson: Dr. Aruna Chamatkar

Introduced the fundamentals of Data Science and refreshed Python programming concepts. The session established a foundation for understanding the Data Science workflow and the role of programming in processing and analysing data. Using 18 years of IPL cricket data as a running example, the session walked participants through the stages of a Data Science workflow and demonstrated loading data into Google Colab and working with NumPy and Pandas.

Day 2: 7 October 2026

Topic: Data Wrangling and Exploratory Data Analysis

Resource Person: Dr. G. Mahesh Kumar, Assistant Professor, Bhavan's Vivekananda College of Science, Humanities & Commerce, Secunderabad.

Chairperson: Dr. Chitra Ravi

Focused on data collection, data cleaning, handling missing values, feature engineering, Pandas operations, data visualization, and exploratory data analysis using real datasets. The session emphasized that reliable analysis begins with understanding and preparing data. Live demonstrations in Google Colab covered Pandas operations for selecting, cleaning, sorting and ranking data, along with charts for exploring the dataset.

Day 3: rescheduled to 11 October 2026

Topic: Machine Learning with Hands-on Implementation

Resource Person: Dr. Rajeev Srivastava, Professor and Dean, School of Computer Applications, IMS Unison University, Dehradun.

Chairperson: Mrs. Ashwini A. Ankar

Covered the planned learning areas of supervised and unsupervised learning, regression, classification, clustering, model training and evaluation, and an end-to-end Machine Learning pipeline. Supervised and unsupervised learning were explained with real-life examples, and linear regression was demonstrated through a house-price prediction example implemented in a Jupyter notebook.

Day 4: 9 October 2026

Topic: Introduction to Generative AI for Data Science

Resource Person: Er. Harshitha Deepanjali, Assistant Professor, Dept. of CSE (Data Science), Bangalore Institute of Technology, Bangalore.

Chairperson: Dr. Prayas Sharma, Assistant Professor, Babasaheb Bhimrao Ambedkar University, Lucknow

Introduced Generative AI and its relevance to Data Science, including prompt engineering, AI tools for Data Science, AI-assisted coding and analysis, and practical demonstrations. The session highlighted the value of responsible use, critical thinking, and verification when working with AI tools. It also compared traditional AI with Generative AI, outlined major types of generative models such as large language models and diffusion models, and showcased AI tools for research and data analysis, including Elicit, Consensus, Semantic Scholar and Scite.

Day 5: 10 October 2026

Topic: Internship and Placement Preparation

Resource Person: Mr. Vikas Ahuja, Industry Expert, Rohtak, Haryana.

Chairperson: Ms. Lekha Nilesh Gadpade

Connected technical learning with professional opportunities. Topics included industry expectations, resume preparation, LinkedIn profile development, GitHub and project portfolios, interview preparation, internships, and career opportunities in Data Science and related fields. The talk drew on industry data on the rapid adoption of Generative AI and on real-world case studies showing why human oversight remains essential when organisations use AI.

6. Valedictory Programme

The valedictory programme was held on 11 October 2026. It marked the formal conclusion of the five-day National Level Online Data Science Bootcamp, "From Data to Deployment," and provided an opportunity to reflect on the learning journey, acknowledge contributors, and celebrate the collective efforts of the organizing team and participants.

The programme began with the Convenor, Ms. Anindita Kundu, warmly welcoming the Chief Guest, Dr. Kawita D. Thakur, Selection Grade Assistant Professor at Government College of Engineering, Amravati, along with the mentor, resource persons, organizing team, and participants.

Following the welcome, the Convenor presented the report of the five-day bootcamp, highlighting each day's activities and acknowledging the resource persons, chairpersons, organizing team, technical support, and the 166 participants.

During the Mentor Remarks, Dr. Abha Khandelwal encouraged students to continue practising and applying the concepts learned during the bootcamp. She also congratulated and appreciated all the Chairpersons, Resource Persons, organizing committee members, the Convenor, the Technical Head, and the participants for their valuable contributions and active involvement in making the programme successful.

Feedback was then shared by Resource Person Er. Harshitha Deepanjali and by participants, reflecting on the value of the learning sessions.

The Chief Guest, Dr. Kawita D. Thakur, then addressed the gathering. In her remarks, she congratulated all the members involved in organizing and delivering the bootcamp, as well as the participants, and appreciated their collective efforts and engagement.

The programme concluded with the Vote of Thanks delivered by the Convenor, Ms. Anindita Kundu, who expressed gratitude to the Chief Guest, Mentor, Resource Persons, Chairpersons, organizing committee, technical team, and participants for their support and contributions.

Dr. Kawita D. Thakur holds a Ph.D. in Electrical Engineering and a postgraduate certificate in Machine Learning from IISc Bengaluru; her presence and encouraging remarks added distinction to the closing programme.

7. Participation

The bootcamp recorded a total participation of 166 participants, who engaged with sessions covering foundational, technical, emerging-technology, and career-oriented themes, asked questions, followed demonstrations, and practised the concepts.

The bootcamp attracted participants from various parts of India, reflecting its broad geographical reach and the interest it generated among learners across regions.

Participants joined from Nagpur, Agra, Amravati, Arvi, Gadchiroli, Bhusawal, Pune, Kota, Yavatmal, and Warud. The programme also welcomed participants from Haryana, Karnataka, Delhi, Andhra Pradesh, and Hyderabad, creating an opportunity for learners from different locations to come together in a shared online learning environment.

8. Participant Feedback

Participants shared positive feedback on the sessions. The remarks of one participant are reproduced below.

Rating: ★★★★★ (5 stars)

Review: "The workshop was an amazing experience! I learned many new things, and everything was explained very clearly. The session was interactive, informative, and enjoyable. Thank you for organizing such a wonderful workshop. Looking forward to attending more workshops like this! 😊👍"

Remarks of a participant

9. Key Highlights

- Five sessions spanning Data Science foundations, data wrangling and EDA, Machine Learning, Generative AI, and internship and placement preparation.
- Contributions from invited resource persons and chairpersons with academic, research, and professional expertise.

- Participation by 166 learners in an online learning initiative organized by AACST in collaboration with G H Rasoni Skill Tech University, Nagpur.
- Dr. Abha Khandelwal, resource person for Day 1, provided nine episodes of Python programming videos as additional learning material for participants.
- Each session included its own assessment to reinforce learning and help participants review their understanding of the topics covered.
- Participants received video lectures for every session through Graphy, providing them with additional learning support and an opportunity to revisit the session content.
- A valedictory session featuring the Chief Guest, Convenor's report, mentor and resource-person contributions, participant reflections, and closing acknowledgements.

10. Learning Outcomes

- A clearer understanding of the end-to-end Data Science workflow, from foundational programming and data preparation to modelling and application.
- Improved awareness of practical data wrangling, visualization, and exploratory analysis techniques.
- Exposure to Machine Learning concepts and the structure of an end-to-end modelling pipeline.
- Awareness of Generative AI and ways to use AI-assisted tools thoughtfully and responsibly.
- Greater understanding of how to present technical skills through resumes and project portfolios.
- Encouragement to continue practising, developing projects, and applying newly acquired skills in academic and professional settings.

11. Acknowledgements

The convenor expressed heartfelt gratitude to Dr. Abha Khandelwal, Mentor of Boot Camp & Founder of AACST, for her vision, guidance, encouragement, and support; to Dr. Amina Vali, Director of G H Rasoni Skill Tech University, for providing the opportunity to serve as Convenor; and to the University for collaborating with AACST. Appreciation was extended to all Chairpersons and Resource Persons for sharing their knowledge and expertise, to the organizing team for coordination and teamwork, and to Dr. Ojas Garg for technical support and session recordings. Special thanks were also extended to all 166 participants whose enthusiasm and willingness to learn gave purpose to the initiative.

12. Conclusion

The National Level Online Data Science Bootcamp, "From Data to Deployment," provided a structured learning experience across five sessions, supported by a valedictory programme. Its progression from Data Science fundamentals and data preparation to Machine Learning, Generative AI, and career preparation highlighted the breadth of skills required to work with data and apply technology effectively.

The collaborative efforts of AACST and G H Rasoni Skill Tech University, Nagpur, the guidance of the leadership, the contributions of the resource persons and chairpersons, the coordination of the organizing team, and the engagement of 166 participants contributed to the programme. The bootcamp concluded with an encouragement to continue learning, practising, building projects, and turning knowledge into action.

13. Way Forward

- Encourage participants to practise the techniques and tools introduced during the sessions.
- Motivate students to develop Data Science projects and internships.
- Promote continued learning in Machine Learning, Generative AI, data analysis, and responsible AI use.
- Continue collaborative academic initiatives that connect technical learning with research and career readiness.

14. Glimpses of the Bootcamp

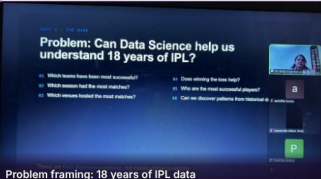


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NATIONAL LEVEL ONLINE DATA SCIENCE BOOTCAMP : FROM DATA TO DEPLOYMENT
 (6 October 2026 - 11 October 2026)

GLIMPSES - 1 OF 2
 Sessions I - III

SESSION I Tuesday, 6 October 2026 Data Science Foundation & Python Refresher RESOURCE PERSON Dr. Abha Khandelwal Retd. Head, Dept. of Computer Science, Hislop College, Nagpur	 Session I: Dr. Abha Khandelwal interacting with participants	 Problem framing: 18 years of IPL data	DATA SCIENCE BOOTCAMP From Data to Deployment Session 1: 6th October 2026 Topic: Data Science Foundations and Python Refresher Session I: Chairperson Dr. Aruna Chamatkar
SESSION II Wednesday, 7 October 2026 Data Wrangling & Exploratory Data Analysis RESOURCE PERSON Dr. G. Mahesh Kumar Asst. Professor, Bhavan's Vivekananda College, Secunderabad	 Session II: Dr. G. Mahesh Kumar - hands-on in Colab	 Chairperson Dr. Chitra Ravi giving her remarks	Participants of Session II
SESSION III Sunday, 11 October 2026 (rescheduled) Machine Learning with Hands-on Implementation RESOURCE PERSON Dr. Rajeev Srivastava Professor & Dean, School of Computer Applications, IMS Unison University, Dehradun	 Session III: Machine Learning with hands-on implementation	 The machine learning workflow	Session III: Dr. Rajeev Srivastava addressing participants

Mentor: Dr. Abha Khandelwal • President: Dr. S. B. Kishor • Director: Dr. Amina Vali • Convenor: Ms. Anindita Kundu

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Glimpses 1 of 2: Sessions I to III (Data Science Foundations, Data Wrangling and EDA, Machine Learning)

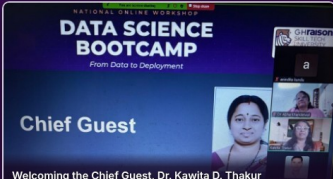
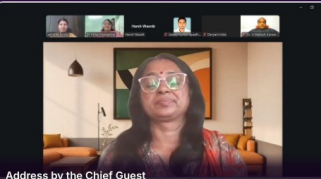


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GLIMPSES - 2 OF 2
 Sessions IV - V & Valedictory

SESSION IV Friday, 9 October 2026 Introduction to Generative AI for Data Science RESOURCE PERSON Er. Mrs. Harshitha Deepanjali Asst. Professor, Dept. of CSE (Data Science), Bangalore Institute of Technology	 Bootcamp overview with the organising team	 Session IV: Generative AI for Data Science	Session IV: Chairperson Dr. Prayas Sharma
SESSION V Saturday, 10 October 2026 Internship & Placement Preparation RESOURCE PERSON Mr. Vikas Ahuja Industry Expert, Rohtak, Haryana	 Session V: Internship & Placement Preparation	 Chairperson Ms. Lekha Gadpade with Mr. Vikas Ahuja	Convener Remarks Convener's remarks: Ms. Anindita Kundu
VALEDICTORY Sunday, 11 October 2026 Valedictory Function Chief Guest: Dr. Kawita D. Thakur Asst. Professor, Government College of Engineering, Amravati	 Welcoming the Chief Guest, Dr. Kawita D. Thakur	 Address by the Chief Guest	Mentor's remarks: Dr. Abha Khandelwal

Mentor: Dr. Abha Khandelwal • President: Dr. S. B. Kishor • Director: Dr. Amina Vali • Convenor: Ms. Anindita Kundu

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Glimpses 2 of 2: Sessions IV and V and the Valedictory Programme

**REPORT PREPARED BY
AACST EDITORIAL TEAM**