



HINDUSTAN COLLEGE

(Affiliated to University of Mysore)
27/F, 3rd stage Rajarajeshwari Temple Road,
J.P. Nagar, Mysuru - 570008



Dr. K.C.G. VARGHESE
Founder Chairman
Hindustan Group of Institutions
20.06.1940 - 14.02.2006

TECHZONE

An IT Magazine - Department of Computer Science

TECHZONE



2023-2024

VOLUME - 06

ISSUE - 08



TECHZONE RELEASE



The 7th issue of **TechZone**, IT Magazine was released by **Mr. Bachettira G Madappa**, President of Murnad Education Society, Coorg and Rtd. Joint Controller, Karnataka State Audit & Accounts Service, Mysuru on 3rd October 2023.

ORIENTATION PROGRAMME FOR FIRST YEAR BCA STUDENTS

The Department of Computer Science conducted an **Orientation Program for I year BCA students** on **4th September 2023**. The first session of the Orientation Program commenced with the rendition of the State Anthem and a solemn prayer to invoke blessings for the event. The Principal, Dr. C J Priya emphasized the importance of quality education and encouraged the students to make the most of their time at the institution. And the rules and regulations of the college were briefed to the students. Ms. Savitha K V, Assistant Professor & Head, Department of Computer Science provided insights into the BCA course and explained how it aligns with the New Education Policy (NEP). She discussed the curriculum and the opportunities that the BCA program offers to students. Mr. Mohan Kumar L P, Physical Education Director shared their perspectives and guidance with the new students and highlighted the activities organized by the sports department. Ms. Pushpa, Librarian briefed the resources available in the library.





The second session was handed over to **Mr. Mohammed Bilal Siddiqui**, the CEO of Atarva Groups, Mysore. He shared his experiences, career journey, and the importance of ambition and perseverance in the professional world. He conducted personality development activity for the students. Session ended with Feedback from Students. Ms. Harshitha N, Assistant Professor, Department of Computer Science expressed gratitude on behalf of the department and students to all the dignitaries, faculty members and students for their presence and support.

ONE DAY WORKSHOP ON PYTHON



On the occasion of **Engineers' Day**, Hindustan College organized a one-day workshop on **Python programming**. The workshop aimed to provide students with a platform to learn and enhance their skills in Python, one of the most popular programming languages in the industry. The workshop was held on the college premises on **15th September 2023**. The resource person, **Mr. Kiran Kumar M**, HoD & Assistant Professor, Department of Computer Science, Govt. First Grade College, T Narsipura, Mysuru covered topics which includes data types, variables, loops, conditional statements, and functions. The instructor explained each concept with examples and encouraged the participants to practice coding exercises to strengthen their understanding. Following the introductory session, there were two hands-on coding sessions where participants were given programming problems to solve using Python.

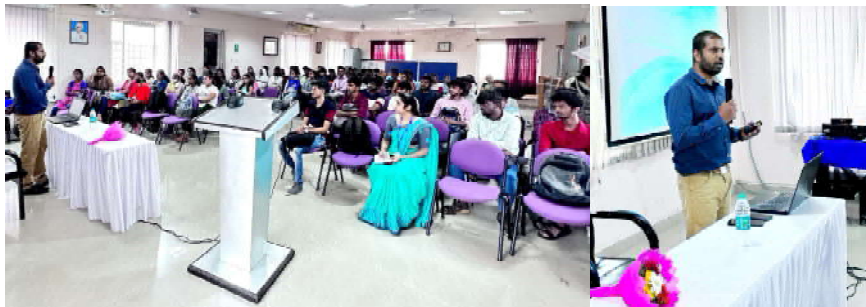
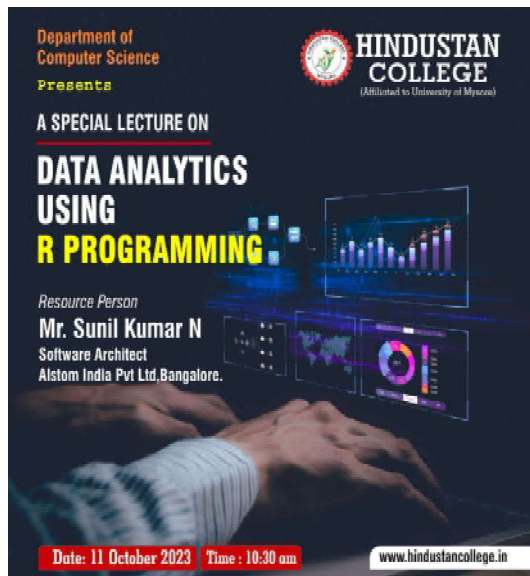


The instructor guided the students and provided them with necessary assistance whenever required. This helped the students gain practical experience and apply the concepts they learned in a real-world scenario. In addition to the coding sessions, there were interactive discussions; instructor shared useful techniques to improve



coding efficiency and problem-solving skills. The workshop also included a session on Python libraries and frameworks commonly used in software development. Asst. Professor Sukshma R D effectively organized the event along with the other staff and students, ensuring its success.

A SPECIAL LECTURE ON DATA ANALYTICS USING R PROGRAMMING



The Department of Computer Science, HC organized a special lecture program titled “Data Analytics using R Programming” on 11th October 2023. Mr. Sunil Kumar N, Software Architect, Alstom India Pvt. Ltd, was invited as the resource person for the program. During the session, Mr. Sunil Kumar N imparted valuable insights into the realworld applications of data analytics and emphasized the importance of data visualization in the field. The session witnessed active participation from students, who engaged in interactive discussions with the resource person, gaining in-depth knowledge about the topic. The event concluded with a comprehensive question-and-answer session, providing students with the opportunity to seek clarification on the doubts they had. The program was coordinated by Ms. Sahana K N, Assistant Professor, Dept. of Computer Science, HC.

ONE DAY WORKSHOP FLUTTER MASTERY: BUILDING CROSS-PLAT FORM APPS

The Department of Computer Science, HC had organized a **One-day workshop on “Flutter Mastery: Building Cross-Platform Apps”** with the aim of providing participants with a comprehensive understanding of Flutter a versatile UI tool kit developed by Google for building crossplatform applications. The resource person for this workshop was Mr. Hemanth Kumar B, Senior Software Engineer, Geeky Ants India Pvt. Ltd, Bangalore. The workshop commenced with an introduction to Flutter, covering its key features and advantages for cross-platform development. Each session combined theoretical knowledge with hands-on exercises, ensuring a practical understanding of the concepts presented. The resource person also highlighted the importance of skills in the current industry. By the end of the workshop the participants acquired valuable insights into the process of developing applications using Flutter. The workshop concluded with a closing ceremony where certificates of participation were distributed to all the participants. Ms. Savitha KV, Assistant Professor & Head was the Program Coordinator.



INTRA COLLEGIATE CODING COMPETITION



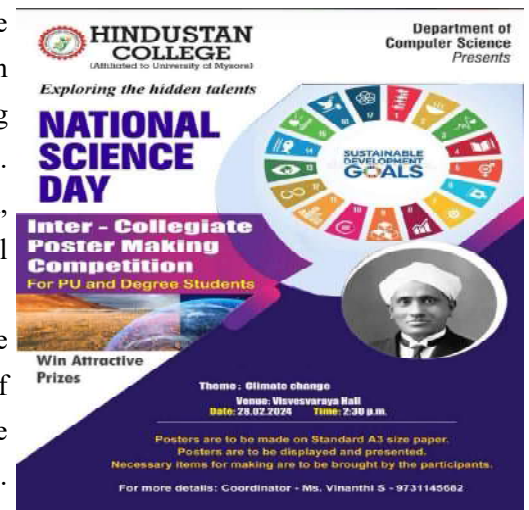
On November 20, 2023, the Department of Computer Science, HC conducted an Intra Collegiate Competition CODE TERROS, Coding Competition, aimed at showcasing the logical thinking and programming language knowledge of the students. The event witnessed spirited participation with ten teams, each comprising talented individuals.

Ms. Keerthana D R & Kruthi K from 2nd year BCA 'B' section were awarded first prize. The second prize was secured by Ms. Bhavani H S & Pooja from 1st year BCA 'A' section. Under the coordination of Asst. Professor Harshitha, Dept. of Computer Science, the competition unfolded seamlessly.

INTRA COLLEGIATE POSTER MAKING COMPETITION

The Department of Computer Science organized an Inter-Collegiate Poster Making Competition in celebration of National Science Day on February 28, 2024. The event aimed to raise awareness about the pressing issue of climate change and encourage creative expression among students. A total of 25 teams from various colleges participated in the competition, showcasing their enthusiasm and interest in addressing environmental challenges through creative posters.

Prior to the commencement of the competition, participants were briefed on the rules and guidelines to ensure a fair and orderly conduct of the event. Emphasis was placed on adherence to the theme of climate change and the importance of conveying meaningful messages through their posters.



Inter-Collegiate Poster Making Competition on the theme of climate change was a resounding success, fostering creativity, awareness, and engagement among the participating students. The event underscored the vital role of science in addressing global challenges and inspired individuals to contribute towards a more sustainable future.



HACKATHON EVENT – SPECTRA 2024, Dr. KCGVERGHESE MEMORIAL INTER-COLLEGIATE TROPHY



The Department of Computer Science organized Hackathon event as part of SPECTRA 2024, on March 22nd 2024. The Hackathon event spanned over 8 hours, starting at 8 am. The first 6 hours were dedicated to developing an application on “Health & Wellness Technology”, followed by 2 hours allocated for presentations. A total of 20 teams registered and actively took part from various institutions. Mr. Francis Madhu Kiran, CEO and Founder of Rank book Learning and Software Solutions Pvt Ltd, Mysuru, was invited as a Jury member. The Jury played a crucial role in evaluating the teams based on creativity, ideas, design, and implementation. He interacted with each team, assessing their projects thoroughly and evaluated the presentations, considering factors such as innovation, functionality, and feasibility.

INDUSTRIAL VISIT TO NOVATECH, ROBOTICS



An Industrial visit to Novatech, Robotics, Bangalore was organized by the Department of Computer Science on 07/05/2024. Novatech Robotics is one of the leading Robotic Companies started in the year 2010. The session was addressed by the CEO Mr. Imtiaz Khan who gave a brief introduction about how Novatech works and the projects involved. Post that, the programming activities commenced and the students were exposed.

The session led to a lot of programming activities which involved them to have a hand on experience and learn from the experts directly. The students were divided into groups. The first group had the task of programming and the second group was instructed to code a robot. Each team was constantly monitored by the coordinator. A competition was conducted among the students. Students learnt about the software that plays a major role in the robotic industry.



SPECIAL LECTURE PROGRAM ON DATA SCIENCE AND ITS APPLICATION

HINDUSTAN COLLEGE
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Special Lecture Program on
DATA SCIENCE AND ITS APPLICATION

Resource Person:
Mr. Sridhar Joies
Associate Director - Learning and Proctoring Solutions, Excelsoft, Mysuru

Date: 20 May 2024 Time: 10.30 a.m.

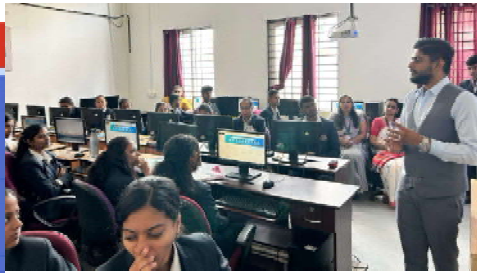


On 20th May 2024, the Department of Computer Science, Hindustan College hosted an insightful one day seminar on “Data Science and its Applications” which aimed at exploring the latest trends, techniques and applications in the field. Mr. Sridhar Joies, Associate Director Learning and proctoring solutions, Excel Soft, Mysore commenced the seminar with an engaging keynote address, highlighting the significance of data science



in today's technological landscape. He elucidated on the role of data scientists in deriving valuable insights from vast datasets and emphasized its relevance across various industries. Throughout the seminar, attendees delved into an array of data science techniques, including machine learning, artificial intelligence and IOT. An interactive Q&A session allowed students to seek clarification on complex concepts and engage in insightful discussions with resource person.

ONE DAY WORKSHOP ON UML DESIGNING TOOLS



The workshop began with an introductory session by Mr. Affan H Basha, CEO, MD, Encapsulation Infotech Pvt. Limited, Mysore who provided an overview of UML and its significance in the field of computer science. The participants, comprising students and faculty members, were introduced to the basic concepts of UML, including its various diagrams and their applications. Throughout the day, Affan H Basha developed the nuance of UML designing, covering topics such as use case diagrams, class diagrams, sequence diagrams, and activity diagrams. Participants were given hands-on training on using UML tools such as Microsoft Visio, Lucid chart and Star UML to create and analyze UML diagrams.

SEMINAR ON VIRTUAL REALITY AND AUGMENTED REALITY IN HEALTHCARE

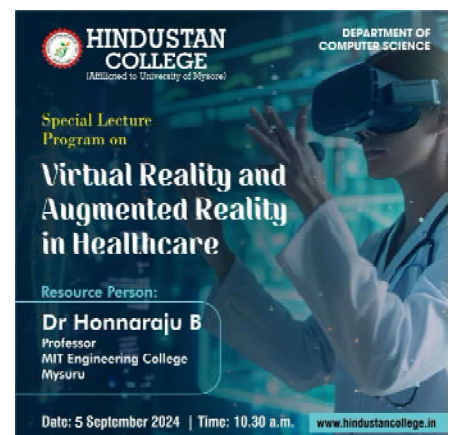
The Department of Computer Science organized an insightful seminar on "Virtual Reality and Augmented Reality in Health Care" on 4th September 2024. The resource person Dr. Honnaraju B, Professor, MIT Engineering College, Mysuru discussed the various applications of VR and AR in healthcare, focusing on how these technologies are revolutionizing medical practices.

Medical Training: VR lets doctors and medical students practice surgeries and other procedures in a virtual space without any risk, helping them improve their skills before working with real patients.

Patient Treatment: AR helps surgeons by showing important information, like 3D images of the body, during surgeries, which makes the process more accurate. VR is also being used to help patients deal with chronic pain and mental health problems like anxiety.

Rehabilitation: VR is used in physical therapy, making exercises more interactive and fun, which helps patients recover faster.

Diagnosis: AR improves the way doctors look at images of the body, making it easier to detect illnesses early and plan treatments.



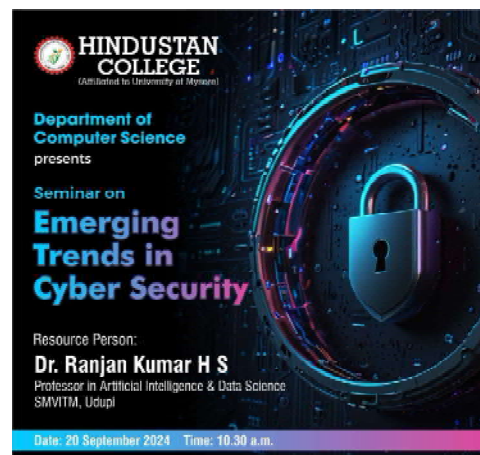
The future potential of these technologies in healthcare were discussed, mentioning that advancements in AI and ML would further enhance the capabilities of VR and AR. The seminar highlighted the importance of staying updated with technological advancements and their real-world applications, particularly in critical sectors like healthcare.

SEMINAR ON EMERGING TRENDS IN CYBER SECURITY

On 20th September 2024, a seminar on “Emerging Trends in Cyber Security” was organized by the Department of Computer Science. The session was conducted by Dr. Ranjan Kumar H S, Professor in Artificial Intelligence & Data Science, SMVITM, Udupi. The seminar focused on familiarizing students with the evolving landscape of cyber security, addressing new challenges, and providing insights into the future of secure digital environments.

With more technology and the internet being used in everything, from smart devices to cloud computing, cyber attacks are becoming more common and advanced. Traditional methods of protecting systems are no longer enough. Attacks like ransomware (where hackers lock you out of your data) and phishing (scams where you’re tricked into giving away personal info) are on the rise.

The resource person emphasized the significant role AI plays in enhancing cyber security measures and highlighted how AI is being used to develop security systems capable of identifying potential threats and taking proactive measures to prevent cyber attacks.



ACHIEVEMENT



On 01/10/2023, the District Health and Family Welfare Department, Mysuru and District AIDS Prevention and Control Unit, Mysuru in collaboration with Lions Jeevadara, recognized and honored the Principal, Dr. C J Priya and the NSS Coordinator Ms. Sukshma R D for the institutions’ outstanding community service contributions to the society.



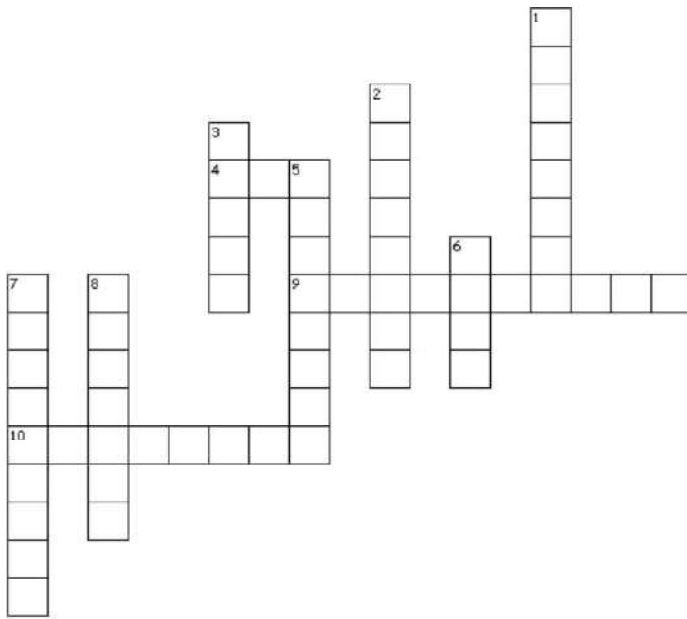
Ms. Savitha K V, Asst. Professor, Dept. of Computer Science was invited as a Resource Person for a Special Lecture on “Dev Ops Mastery, Transforming IT Operations for Modern Excellence” organized by the Department of Computer Science, Christ College, Mysuru on 16th November 2023.

Ms. Savitha K V, Asst. Professor, Dept. of Computer Science has been selected as a BoE member of Computer Science, SBRR Mahajana First Grade College, Mysore, Dec – 2023 / Jan - 2024

Vineeth Devaraje Urs, I Year BCA had participated and won **Bronze Medal** (3rd place) in the **+84 Kg** Kumite category in Karate at the Mysore City Inter-Collegiate Tournaments 2024-25. The tournament was organized by Teresian College in Siddharthanagar, Mysore, under the Department of Physical Education, University of Mysore, and it was held at Yuvaraja's College on 14th October 2024.



COMPUTER SCIENCE CROSS WORD PUZZLE



1. Software 2. Volatile 3. Brain
 4. ROM 5. Megabyte 6. Chip 7. Gigahertz
 8. Control 9. Arithmetic 10. Hardware

Answers:

Across

4. This stores the data which tells the computer how to load the operating system when it is switched on or re-booted.
9. The Logic Unit is the part of the CPU which performs all of the calculations.
10. The parts of a computer that you can touch.

Down

1. The more common name for the programs or instructions on your computer.
2. Memory is known as when all the data is lost if the power is switched off.
3. The central processing unit is often called the of the computer.
5. This is the unit of storage generally used for RAM.
6. The CPU is made from a silicon
7. The speed that a processor is usually measured in
8. The unit is the part of the cpu which controls the input and output devices.

COMPUTER WORD SCRAMBLE

- | | | |
|-----------------|-----------------|--------------|
| 1. SMEUO | 11. IPUNT | 21. IBAYRN |
| 2. FTASRWEO | 12. MEMYRO | 22. OLTPGOOY |
| 3. EAYBDOKR | 13. RAAEHWRD | 23. PNHYTO |
| 4. NERNIETT | 14. MRNPAGOGIMR | 24. LLCORS |
| 5. MORNITO | 15. TKNWOER | 25. VSIRU |
| 6. GSAME | 16. PLTPAO | 26. FOTN |
| 7. ICOAIPAPLTSN | 17. EESNCR | 27. HAKCRE |
| 8. OPSOESRCR | 18. TOUPTU | 28. WSREROB |
| 9. IMFOCTORS | 19. PLEPA | 29. UADOLP |
| 10. AADT | 20. CTRUIC | 30. NLDDWAO |

- | | | |
|-----------------|-----------------|--------------|
| 1. MOUSE | 11. INPUT | 21. BINARY |
| 2. SOFTWARE | 12. MEMORY | 22. TOPOLOGY |
| 3. KEYBOARD | 13. HARDWARE | 23. PYTHON |
| 4. INTERNET | 14. PROGRAMMING | 24. SCROLL |
| 5. MONITOR | 15. NETWORK | 25. VIRUS |
| 6. GAMES | 16. LAPTOP | 26. FONT |
| 7. APPLICATIONS | 17. SCREEN | 27. HACKER |
| 8. PROCESSOR | 18. OUTPUT | 28. BROWSER |
| 9. MICROSOFT | 19. APPLE | 29. UPLOAD |
| 10. DATA | 20. CIRCUIT | 30. DOWNLOAD |

Answers



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CONGRATULATION TO THE STUDENTS WHO HAVE EXCELLED IN
UG NEP EXAMINATION Jun / July 2024

1st TOPPER



Divya R Salanke
9.50 GPA

2nd TOPPERS



Pooja
9.40 GPA

I YEAR BCA



Sukanya M
8.88 GPA



Shilpashree
8.88 GPA



Nisarga B
8.87 GPA



Mahadevamma
8.87 GPA



M R Pavan Kumar V
8.83 GPA



Bindu Bai E
8.81 GPA



Harshitha K
8.73 GPA



Sanjana M
8.71 GPA



Nithya Sri
8.69 GPA



Ananya B
8.67 GPA



Marina Thomas
8.63 GPA



Shresh LS
8.60 GPA



Jeevitha S
8.58 GPA



Manoj C
8.48 GPA



Deepthi M V
8.46 GPA



Charan M
8.42 GPA



Prathiksha S
8.31 GPA



Rahul N
8.29 GPA



Pramod C
8.23 GPA



Shrinidhi
8.21 GPA



Muthuraju N
8.19 GPA



Bhavani H S
8.17 GPA



Thanisha U
8.06 GPA



Vinay M B
8.02 GPA



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#27/F, III Stage, J.P. Nagar, Mysuru - 570008



1st Topper



Gowthami V
9.54 GPA

2nd Topper



Manogna M
9.44 GPA

II YEAR BCA



Sharanya D N
9.37 GPA



Kannika N
9.37 GPA



Rajini N
9.37 GPA



Shifa Khanum
9.35 GPA



Rashmi D
9.31 GPA



Swathi K
9.31 GPA



Poornima A
9.25 GPA



Nisarga Jadav
9.06 GPA



Amulya S
9.06 GPA



Kavana R
9.06 GPA



Keerthana P
9.04 GPA



Rakshitha V D
9.02 GPA



Keerthana D R
8.94 GPA



Latha M
8.92 GPA



Indra R
8.92 GPA



Meghana K
8.90 GPA



Harshitha M
8.88 GPA



Hema Varshaa
8.87 GPA



Priyadarshini M
8.87 GPA



Vittal U
8.83 GPA



Kishore M A
8.81 GPA



Manoj Kumar G
8.81 GPA



Bhoomika J
8.75 GPA



Darshan R
8.69 GPA



Ramesha V
8.69 GPA



Dhanushree K R
8.69 GPA



Shravani K S
8.67 GPA



Ashish A P
8.67 GPA



Bindu I
8.58 GPA



Mohana Kumara N
8.48 GPA



Umesh D
8.44 GPA



Nithinkumar R
8.42 GPA



Shircesha Bharadwaj
8.40 GPA



Manohar S
8.38 GPA



Pavan Kumar A
8.37 GPA



Sharath L G
8.23 GPA



Darshan R
8.21 GPA



Kiran Sharma V
8.21 GPA



Vijayalakshmi
8.12 GPA



Mahadevaswamy B
8.04 GPA



Jamuna L S
8.02 GPA






HINDUSTAN COLLEGE

(Affiliated to University of Mysore)




1st TOPPER



Chithra M
9.85 GPA

2nd TOPPERS



Anusha S
9.75 GPA

III YEAR BCA



Girish
9.73 GPA



Rishika B G
9.67 GPA



Mohammed Shoab
9.35 GPA



Sinchana P
9.27 GPA



Prashanth N R
9.25 GPA



Jeevitha M M
9.25 GPA



Divakar Gowda M N
9.23 GPA



Harshini V
9.23 GPA



Prajwal M
9.21 GPA



Meghana N
9.17 GPA



Reethu Twinkle M
9.15 GPA



Vishwas M
9.13 GPA



Apoorva H S
9.08 GPA



Sukanya D
9.08 GPA



Mohammed Usman
9.06 GPA



Jeevan H S
8.92 GPA



Reena Crystal M
8.81 GPA



Sushma M
8.79 GPA



Sharvani L M
8.77 GPA



Kowshik Gowda R A
8.71 GPA



Prashanth B
8.69 GPA



Balaji Y
8.69 GPA



Darshan M
8.67 GPA



Pragathi C
8.60 GPA



Kiran M
8.52 GPA



Praveen Kumar
8.50 GPA



Basavaraj S Huchagondar
8.44 GPA



Shashank M
8.40 GPA



Naveen R M
8.25 GPA



Sagar D
8.21 GPA



K K Vidyadhara
8.15 GPA



Vishnu Vinayaka M G
8.13 GPA



Prem Simha N S
8.13 GPA



Yashas P
8.10 GPA