

Department Events

| SI # | Date | Activity name | Resource Person with Affiliation | Audience |
|------|---------------------------|--|--|--|
| 1 | 15-06-2022 | Hands-On Session on “Career Awareness in VLSI Domain” | Mr. Arun John Mathias and Mr. Pronadeep Bora, Corel Technologies | ECE staff and students of 8 th and 6 th semester |
| 2 | 11-07-2022 | Workshop on “Basics of Python Programming with OpenCV” | Mr. JitheshKurien, Cranes Varsity | ECE staff and students of 6 th and 4 th semester |
| 3 | 04-08-2022 and 28-08-2022 | Guest lecture on “Signals and Systems” | Mr. Anand Swamy A S, T John Institute of Technology | Students of 4 th and 6 th semester |
| 4 | 08-10-2022 | Webinar on “VLSI /Semiconductor industry Opportunities | Mr. Arun Mondal, Physical Design Engineer, Samsung Semiconductor India | ECE staff and students of all semesters |
| 5 | 31-10-2022 to 04-11-2022 | Outreach program on “Overview of Geo-computation and Geo-web services” | Mr. Kamal Pandey, Scientist, Indian Institute of Remote Sensing, ISRO Dehardun | Both staff and students |
| 6 | 12-11-2022 | Alumni Interaction Program on “Prospects of Python and ML Industry” | Mr. Chethan Adhikary Y Python Senior Developer, TCS, Bengaluru | ECE staff and students |
| 7 | 26-11-2022 | Alumni Interaction Program on “Shaping your Career” | Mrs. Vijayalakshmi K N Team Lead at 6d Technologies, Bengaluru | ECE staff and students |
| 8 | 16-11-2022 to 18-11-2022 | Three Days Workshop on “VLSI Tool (CYMP)” | Dr. Cyril Prasanna, Professor, Cambridge Institute of Technology, Bengaluru | Students of 7th Sem ECE and Final year APS Polytechnic |

| | | | | |
|----|--------------------------|--|---|--|
| 9 | 05-12-2022 to 09-12-2022 | VTU Sponsored Five days workshop on "Data Science & Applications | 1.Mr. Pradeep Moondra, Senior Director, Capgemini, Bengaluru 2.Mr. Sujit Mishra, Director in Product Management, M/S Zycus, Bengaluru 3Mr. Manish Kulkarni, Data Scientist, M/S QS, Bengaluru. 4.Prof. Narasimha Swamy S, Assistant Professor, Dept. of AI/ML,RVCE, 5.Dr. Vijayalakshmi MN, Associate Professor,Dept. of AI/ML, RVCE, 6.Mr. Gurudatt, Team Lead,M/S PRWATECH,Bengaluru. 7.Dr. B. Sathish Babu, Professor and HOD,Dept. of AI/ML, RVCE, 8.Mrs. Veena Shetty, Design Engineer Specialist, M/S British Telecom, | Faculties (Both Outside APSCE and Within APSCE) and students |
| 10 | 17-01-2023 | Quiz Competition for APS PU College, Somanahalli campus | Prof. Chandrasekhar S, ECE Department | 2 nd Year PUC Students |
| 11 | 18-04-2023 | Industrial Visit UR Rao Satellite Center (URSC) Formerly known as ISRO Satellite Center (ISAC) | Scientist, UR Rao Satellite Center (URSC) | ECE staff and students of 8th and 6th semester |
| 12 | 21-04-2023 | One day Student Development Program on "Embedded Systems" | Prof. Niranjan L, Head, Centre of Excellence, CMRIT and Prof. Suhas A.R, Assistant Professor, Dept of ECE, HKBK College of Engineering | ECE students of 8th and 6th semester |
| 13 | 29-04-2023 | Final Ph.D. Viva Voce | Sri. Niranjan L (1AP17EC01) & Sri. Suhas A R (1AP17EC02) Research Scholars in VTU Research Centre of ECE Department, APSCE | Faculty Members |
| 14 | 02-05-2023 | Project Demonstration | 8th semester Final year ECE students | Faculty and Students |
| 15 | 23-06-2023 | QUIZ Competition on PCB Design | Coordinators: Balaji, 6th sem and Sanjana N, 4th ECE Students | Students of all branches belonging to any Semester |

| | | | | |
|----|---------------------|---|--|--|
| 16 | 24-06-2023 | Industrial Visit Circuit Systems | Trainer, Circuit Systems | ECE Faculty and students of 6th and 4th semester |
| 17 | 08-07-2023 | Alumni Interaction Program on “Predictive AI into Technology & Advanced Career Framework.” | Mr. Amitesh Kumar, Lead Quality Engineer – KATALON Vietnam | Students of all branches belonging to any Semester |
| 18 | 20-07-2023 | Expert Lecturer on “Internship opportunities in Core Industries” | Mr. Madhusudan, Director - Nextica Technologies | ECE students of 6th and 4th semester |
| 19 | 04-08-2023 | “Study project Presentations” Beyond the Curriculum activity | Project groups of 4th semester ECE Students | Faculty and Students |
| 20 | 7/08/23 to 11/08/23 | 120 th ISRO IIRS outreach program titled "Satellite meteorology applications in weather and climate studies" | Scientists from IIRS @ ISRO, Dehradun | 46 students of ECE & CSE Dept. |

1. Elektronika (ECE Department Forum) conducted one day hands-on session on “Career Awareness in VLSI Domain” on Wednesday 15th June 2022 in the Internet Lab, for the students of 6th and 8th semester. The Speaker was Mr. Arun John Mathias and Mr. Pronadeep Bora, Corel Technologies, who gave hands on training on “Career Awareness in VLSI Domain”. Session was very Informative and ECE staffs and students attended the session.





2. Elektronika (ECE Department Forum) conducted workshop on “Basics of Python programming with OpenCV”, A Hands-on workshop on Monday, 11th July 2022 for the students of 6th and 4th semester. The Speaker was Mr. Jithesh Kurien, Cranes Varsity, who gave training on “Basics of Python programming with OpenCV”. Session was very Informative and ECE staffs and students were attended the session.

3. Elektronika (ECE Department Forum) arranged the Guest lecture on Signals and Systems for two days on 4th and 28th of August 2022. The Speaker was Mr. Anand Swamy A S, T John Institute of Technology, who gave lecture on “Basics of Signals and Systems”. Session was very Informative and students of 4th semester attended the session.



4. Elektronika (ECE Department Forum) has conducted a Webinar through Zoom platform on Saturday, 8th October 2022 at 10.00 AM. Guest Speaker was Mr. Arun Mondal, Physical Design Engineer, Samsung Semiconductor India, who delivered a talk on “VLSI / Semiconductor industry Opportunities”. Session was very informative in terms various opportunities available in current scenario.

5. ISRO - Indian Institute of Remote Sensing Nodal Center of APSCE ECE Dept. has offered an outreach



program titled “Overview of Geo-computation and Geo-web services” from 31st October 2022 to 04th November 2022. **Thirty Five (35)** students of various depts. have registered and **seven (7)** students completed successfully.

6. An Alumni Interaction Program was organized by the Department of Electronics and Communication Engineering through the department forum “Elektronika” on Saturday the 12th November 2022. Alumni Mr. Chethan Adhikary Y (2007 passed out), Python Developer, TCS Bengaluru discussed on “Prospects of Python and ML Industry”. The session was helpful for understanding concepts on the Basics of Python and ML and also discussed the job openings in the industry.

7. An Alumni Interaction Program Session was organized by the Department of Electronics and Communication Engineering through the department forum “Elektronika” on Saturday the 26th November 2022. Mrs. Vijayalakshmi K N, 2013 passed out student and presently working as Team Lead at 6d Technologies Bengaluru has addressed on topic “Shaping your Career”. The session was very useful and informative on the Choosing Job career path, Upgrading skill sets required for different job profiles.



8. ECE Department conducted Three Days workshop on “VLSI” from 16th to 18th November 2022 for the students of 7th Sem ECE and final year APS Polytechnic students. 31 Students have attended the workshop. The Speaker was Dr. Cyril Prasanna, Professor, Cambridge Institute of Technology, Bengaluru, who gave hands on experience on VLSI tool (CYMP) for both front and backend Design. Session was very useful and Informative.

9. VTU Sponsored five days workshop on “**Data Science & Applications**” organized by ECE Dept. from 5th to 9th Dec 2022. The Guest Mr. Pradeep Moondra, Senior Director Capgemini, Bengaluru, discussed on Current Trends in Data Science with its Applications and also delivered keynote address. History & Introduction to Data Science was handled by Mr. Sujit Mishra, Director in Product Management, M/S Zycus, Bengaluru. Life cycle & Prerequisites for Data Science was handled by Mr. Manish Kulkarni, Data Scientist, M/S QS, Bengaluru. Programming Constructs with Python was handled by Prof. Narasimha Swamy S, Assistant Professor, Dept. of AI/ML, RVCE, Bengaluru. Programming Constructs with R was handled by Dr. Vijayalakshmi MN, Associate Professor, Dept. of AI/ML, RVCE, Bengaluru. Tools used in Data Science was handled by Mr. Gurudatt, Team Lead, M/S PRWATECH, Bengaluru. Hands on sessions with applications was handled by Mr. Gurudatt, Team Lead, M/S PRWATECH, Bengaluru. Dr. B. Sathish Babu, Professor and HOD, Dept. of AI/ML, RVCE, Bengaluru. He has delivered the talk on Analysis of Connected domains (Analytics, BIGDATA). Responsibilities of Data scientist with opportunities was handled by alumni Mrs. Veena Shetty, Design Engineer Specialist, M/S British Telecom, Bengaluru. The valedictory was conducted and the certificates are issued to all participants through the guest Alumni Mrs. Veena Shetty, Dr. AG Nataraj, Principal, APSCE, Dr. Jagadeesh HS, Convener & HOD, and ECE Department. The feedback is collected from the participants. The workshop is ended with vote of thanks.



10. Quiz Competition for 2nd Year PUC Students of APS PU College, Somanahalli campus on 17th January 2023. Prof. Chandrasekhar S, ECE Department has coordinated the event & distributed prizes for winners

11. An Industrial visit was arranged by Department of ECE for 4th and 6th semester students on 18th April 2023. 35 Students accompanied with 3 faculty members visited UR Rao Satellite Center (URSC), Bengaluru (Formerly known as ISRO Satellite Center (ISAC)). ISRO Satellite Center (ISAC) is the lead center of the Indian Space Research Organization (ISRO) responsible for design, development, assembly & integration of communication, navigation, remote sensing, scientific and small satellite missions. It was arranged for the benefit of students by exploring the **space exhibition center** at ISAC. Scientist explained each and every display unit kept for the exhibition. It includes the models of the first Indian satellite Aryabhata, APPLE, INSAT series etc. Satellites are basically of two types- Indian Remote Sensing (IRS) satellites and communication satellites. IRS-1A was the first remote sensing mission undertaken by the



Indian Space Research Organization (ISRO). It was a part-operational, part experimental mission to



develop Indian expertise in satellite imagery. Students also gained knowledge about how television signals are broadcasted with the help of satellites. A working model was demonstrated. Various images of India taken at different angles from the satellites, for the purpose of geographical/weather study were seen. Different electronic devices used in satellite and space communication were explained. The 'clean room' concept for assembling of satellites was shown during the same. It was a great experience for the students. The Industrial Visit was a great benefit for the students to directly understand about the various concepts of satellite and space missions done by ISRO.

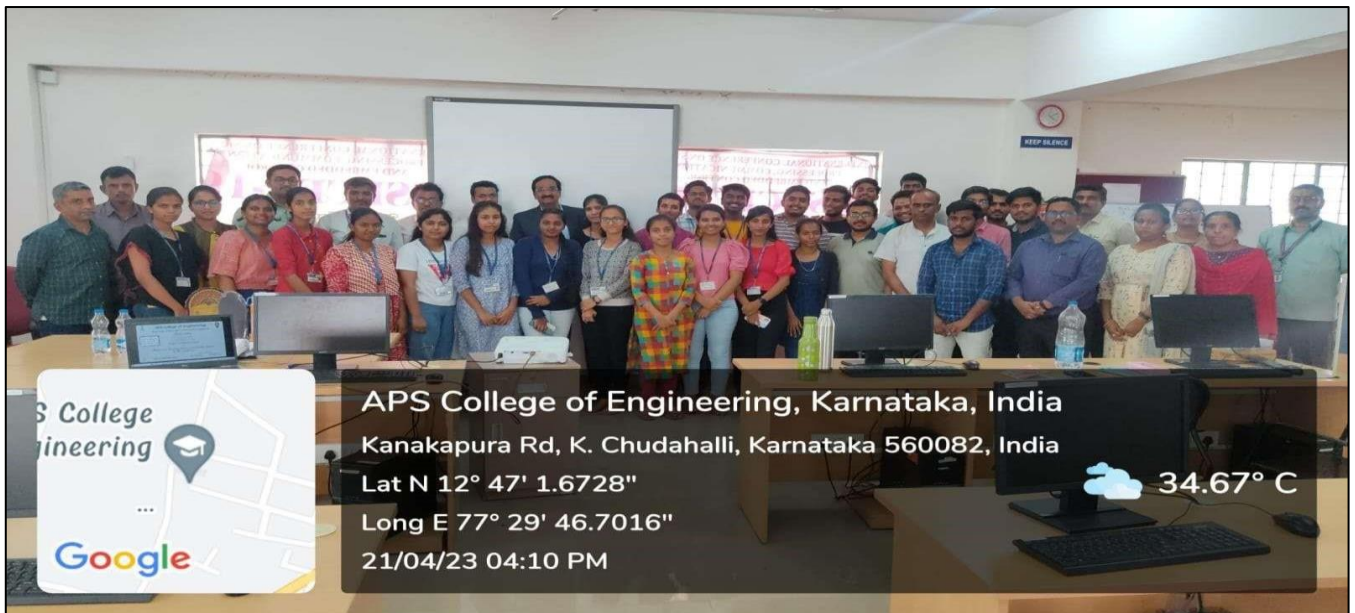
12. The Department of ECE through its forum “Elektronika” Organized a one day Student Development Program on

“Design & Implementation of Embedded System and its Application” for the 6th and 8th semester Students. Around 35 Students participated in this Program / workshop and gained ample knowledge on the design, implementation and application aspects of the embedded system. Prof. Niranjana L, Head, Centre of Excellence, CMRIT and Prof. Suhas A.R, Assistant Professor, Dept of ECE, HKBK College of Engineering were the resource persons. It’s a moment of pride to note that these resource persons are also the research scholars of ECE Department, VTU Research Centre of APSCE who have completed their Ph.D. Viva voce on **29th April 2023**. The Sessions were well planned. Students were introduced to the concepts of Embedded Design right from the basics. Awareness was created among the students about the open source and free source software IDE tools





13. Final Ph.D. Viva-Voce was conducted for Research Scholars Sri. Niranjana L (1AP17EC01) & Sri. Suhas A R (1AP17EC02) on **29th April 2023** under VTU Research Centre of ECE Department APSCE. Dr. K Saravanan, Professor, School of Electronics Engg., Vellore Institute of Technology, Vellore (TN) and Dr. Ashwin M, Professor of Electronics Engg. K L University, Vijayawada (AP) were the external examiners respectively. All the faculty members & HOD of the ECE dept., Principal were present during the same.



14. Project demonstrations was conducted by 8th semester (final year) ECE students on **2th May 2023**. All the HODs, Principal, Faculty and Students were present. List of Six Projects are as follows

- RFID Based ATM for medicine self-dispensing using Arduino
- Smart Ration Card System using RFID and Embedded System
- Fire Detection & Prevention in Agriculture field and Animal Monitoring
- Smart Safety Security (SSS) Helmet
- Optimization of Power using IOT
- IOT Based Self Driving Car





15. Quiz Competition titled 'PCB DESIGN' for students of all branches belonging to any Semester on Friday, 23rd June 2023 in ADMINBLOCK SEMINAR HALL. Balaji, VI sem and Sanjana N, IV Sem ECE Students have coordinated the event and distributed prizes for winners by Principal, Dr. A G Nataraj and ECE HOD, Dr. Jagadeesh HS.

Winners List:

First Position: Harsh Kumar, 2nd Sem ECE Student, Second Position: Prajwal S Motagi, 4th Sem ECE Student





16. An Industrial visit was arranged by Department of ECE for 4th and 6th semester students on 24th June 2023. Students accompanied with faculty members visited Circuit Systems Industry, Bangalore. A detailed presentation was given by one of the Circuit Systems team members to understand their latest technology based projects. Company has developed several products like Printed Circuit Boards, Double Sided Printed Circuit Boards, Metal Core Printed Circuit Boards and PCB Drilling Machine Etc. The Industrial Visit was a great benefit for the students to directly understand about the various Concepts related to PCB design from Scratch to end product.



17. An Alumni Interaction Session was organized by the Department of Electronics and Communication Engineering through the department forum "Electronika" on Saturday the 08th July 2023. Mr. Amitesh Kumar, 2014 passed out student and presently working as Lead Quality Engineer at KATALON-Vietnam was the guest speaker. The session was on the "Predictive AI into Technology & Advanced Career Framework." overall personality development, updating oneself with the necessary skillset to be industry ready and job openings in the semiconductor industry.



18. Expert Lecturer was organized by the Department of Electronics and Communication Engineering through the department forum “Electronika” on 20th July 2023. Mr. Madhusudan presently working as Director at



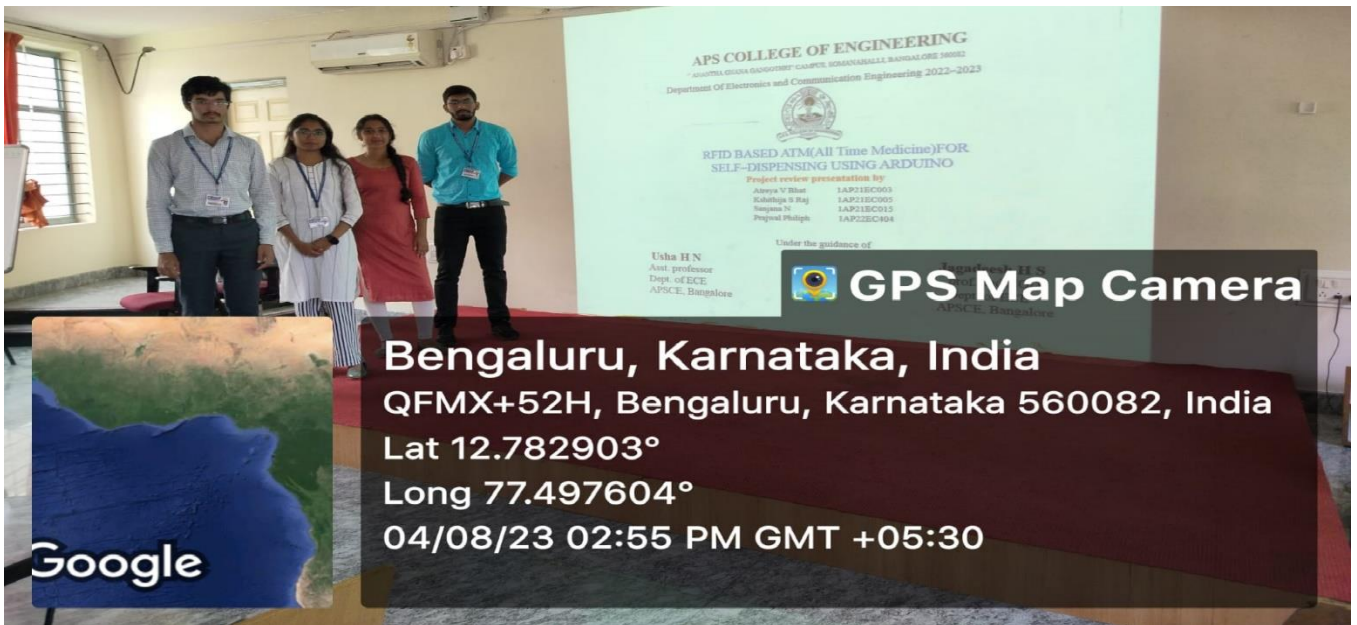
Nextica Technologies. The session was on the “Internship Opportunities in Core Industries”. To benefit for 4th and 6th semester ECE students to get opportunity to do Internship training in Industries.



19. “Study Project Presentations” beyond the Curriculum activity for IV semester ECE Students on Friday, 04th August 2023 in ADMIN BLOCK SEMINAR HALL. All IV Semester ECE Project group students presented project presentation in presence of Principal of APSCE, Dr. A G Nataraj, ECE HOD, Dr. Jagadeesh HS along with ECE Faculty.


List of Six Projects are as follows

- RFID Based ATM for medicine self-dispensing using Arduino
- Smart Ration Card System using RFID and Embedded System
- Farm Monitoring System
- Smart Safety Security (SSS) Helmet
- Optimization of Power using IOT
- IOT Based Self Driving Car



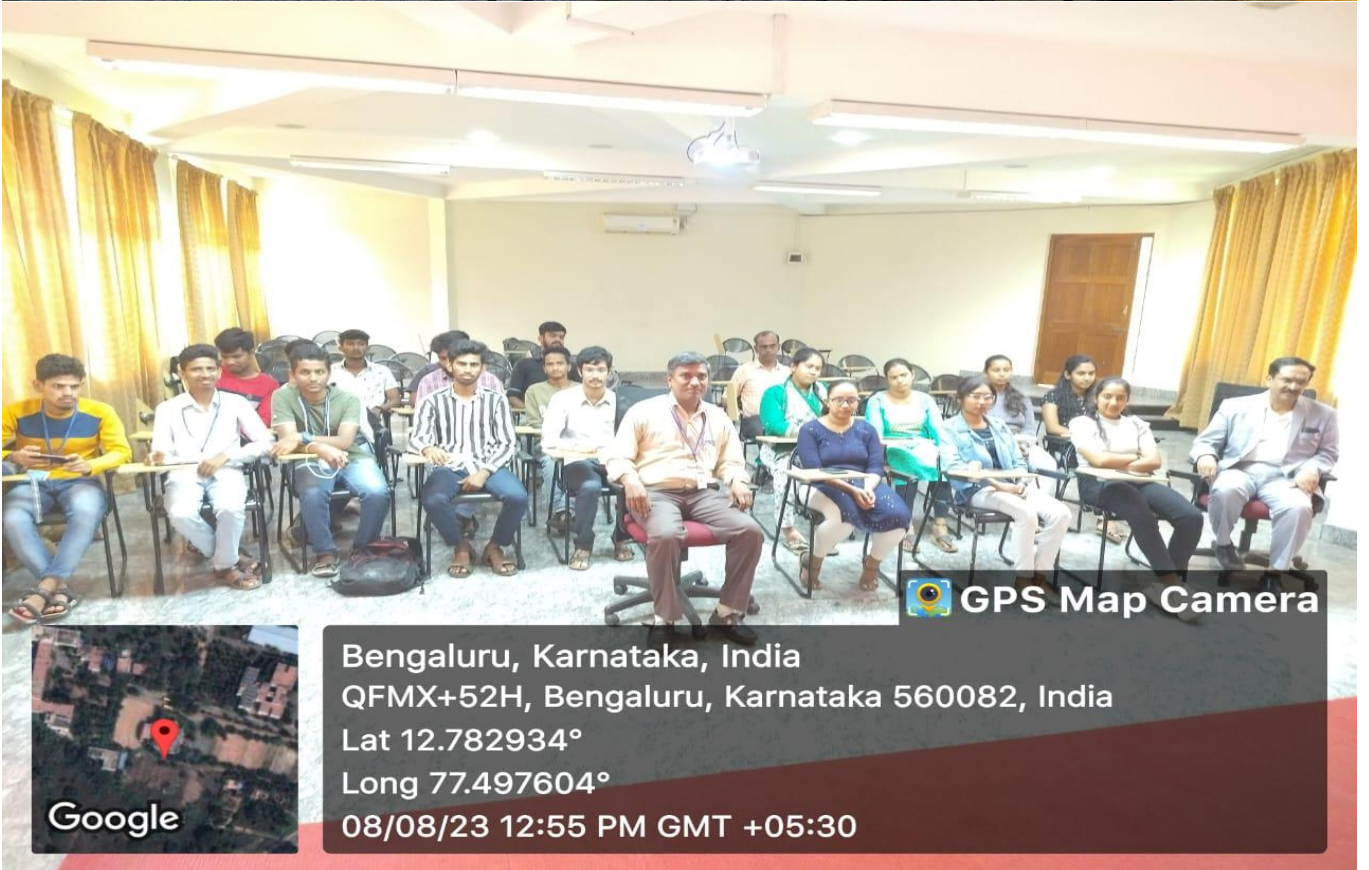
20. ISRO IIRS outreach program titled "Satellite meteorology applications in weather and climate studies" from 7/08/23 to 11/08/23 for the benefit of our students.




 **GPS Map Camera**

Bengaluru, Karnataka, India
QFMX+52H, Bengaluru, Karnataka 560082, India
Lat 12.782941°
Long 77.497621°
08/08/23 10:28 AM GMT +05:30

Google



 **GPS Map Camera**

Bengaluru, Karnataka, India
QFMX+52H, Bengaluru, Karnataka 560082, India
Lat 12.782934°
Long 77.497604°
08/08/23 12:55 PM GMT +05:30

Google