

SAKTHI POLYTECHNIC COLLEGE, SAKTHINAGAR – 638315

DEPARTMENT OF CIVIL ENGINEERING

CTC - CONCRETE CLUB

ACTIVITIES

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(1) INAUGURATION OF CONCRETE CLUB (2022-2023)

Inauguration of Concrete Club was held on 09.01.2023. The function was inaugurated by Honourable Chief Guest Thiru V.Thiruvenkadam and Our Principal Dr N.Thangavelu. The function was started at 12:30PM.

Our Chief Guest with our Principal visited the Concrete Models like flower pots, shell roof model, Timber Models with different types of timbers, Steel rods with various sizes are fabricated by students and the banners about Important places in Erode, Stanley Reservoir (Mettur Dam) in Salem, and Bhavani Sagar Dam, Erode. Our chief guest congratulates our students for their effort towards the model fabrication and felicitated the gatherings.



SPECIAL FEATURES OF CONCRETE CLUB:

- Motivation of students to create concrete models
- Production of Innovative materials
- Organizing events through alumni and other sponsorships
- Creation of awareness about the future scope of Civil Engineering
- To know Engineers role in infrastructure development of our country

CONCRETE CLUB INAGURATED BY OUR BELOVED CORRESPONDENT



FACULTIES OF CIVIL ENGINEERING WITH CORRESPONDENT



DISPLAY BOARDS AND MODELS BY OUR CIVIL STUDENTS

BHAVANI SAGAR DAM, SATHYAMANGALAM

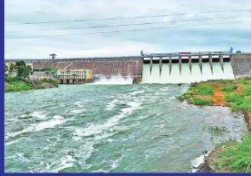
Biggest Earthen Dam in Tamilnadu.

LOCATION: Erode district, Tamilnadu, India.

NAME OF THE RIVER: Bhavani river.

COORDINATE: 11.4710° N, 77.1143° E

YEAR OF CONSTRUCTION: 1948




HYDRAULIC PARTICULARS

Reservoir :	
Catchment Area at Dam site	: 4199.67 sq.km
Full Reservoir Level	: 278.892 m
Gross Storage Capacity at FRL	: 928.78 MCM
Reservoir Spread Area at FRL	: 78.76 sq km
Dam :	
Type	Composite Dam
Total length of the Main dam	: 8780.21m
Length of Embankment dam	: 8316 m
Length of Masonry / Concrete dam	: 464.21 m
Height of Embankment Dam above deepest foundation level	: 62.18 m
SPILLWAY	
Type of spillway	: Ogee
Length of Spillway	: 120.70 m
Number of bays	: 9
Total Discharge Capacity at MWL	: 3282.40 cumec
DISTRICT	
Hydro Power installed Capacity	: 16MW
Date of Starting the Construction	: 07.01.1948
Date of Completion	: 19.08.1955
Maximum adserved flood	: 2939 cumec
Peak and dateand	: 03.07.1961

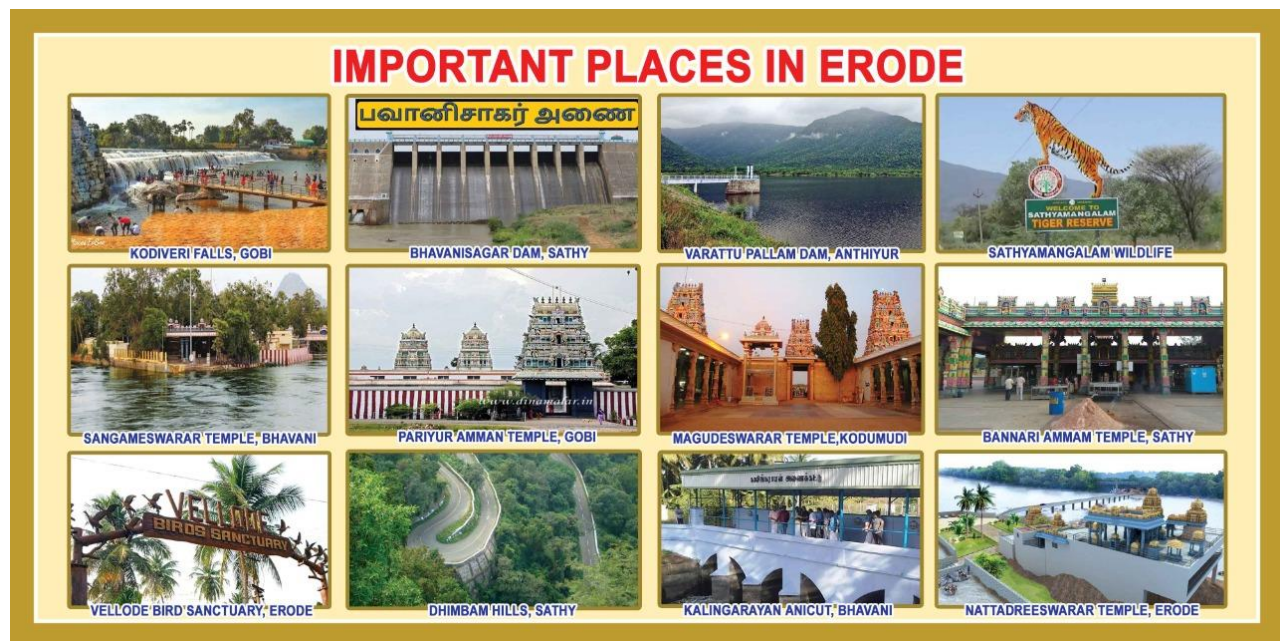


BHAVANISAGAR DAM

பவானிசாகர் அணை



DISPLAY BOARDS AND MODELS BY OUR CIVIL STUDENTS



DISPLAY BOARDS AND MODELS BY OUR CIVIL STUDENTS



(2)DECORATIVE CONCRETE MODELS EXPO 2023

The Decorative Concrete Expo 2023 was a significant event aimed at showcasing advancements and innovations in the field of decorative concrete. Held on February 18, 2023, this expo was a collaborative effort between the ICACI Student Chapter and the CTC-Concrete Club, bringing together professionals, students, and enthusiasts in the concrete industry.

Exhibitions and Demonstrations:

- The expo featured a wide range of exhibits showcasing the latest in decorative concrete technology, including stamped concrete, pervious concrete, and overlay systems.
- Live demonstrations provided attendees with hands-on experience and insights into the application and finishing techniques of various decorative concrete products.



Student Participation:

- The ICACI Student Chapter played a pivotal role in organizing the event and presented research and projects related to decorative concrete. This offered students an invaluable opportunity to interact with industry professionals and gain practical insights.

Networking Opportunities:

- The event facilitated extensive networking opportunities, enabling participants to connect with suppliers, manufacturers, and other professionals in the concrete industry.

The Decorative Concrete Expo 2023 was a successful and informative event that highlighted the latest advancements in decorative concrete. The collaboration between the ICACI Student Chapter and CTC-Concrete Club ensured a well-rounded program that benefited both professionals and students.

(3) CONCRETE CLUB'S ONLINE POSTER PRESENTATION ON NDT: A RESOUNDING SUCCESS (2023-2024)

The Concrete Club, a student chapter of the Department of Civil Engineering at Sakthi polytechnic College, recently organized an online poster presentation on Non-Destructive Testing (NDT) for Civil Engineering. The event, held on 15.09.2023, saw enthusiastic participation from students and faculty members. The objective of the poster presentation was to create awareness about the importance of NDT in civil engineering and to showcase innovative ideas and research in the field.

A total of 27 posters were presented, covering various aspects of NDT, including ultrasonic testing, radiography, and acoustic emission testing. The presentations were judged by a panel of experts, and the top three posters were awarded prizes.

The prize winners were honored at a function organized by the Bureau of Indian Standards (BIS). The online poster presentation was a huge success, with participants showcasing their knowledge and innovative ideas in NDT. The Concrete Club looks forward to organizing more events to promote awareness and research in civil engineering.



4. CONCRETE CLUB'S BRICK LAYING CONTEST BUILDS SKILLS AND CAMARADERIE ON 12.09.2025

The Concrete Club (CTC) of the Civil Engineering Department recently orchestrated a highly successful and impactful Brick Laying Contest on September 12, 2025. This technical event served as an exemplary platform for students to transition from academic theory to tangible practice. The club members, through their fervent participation and impeccable planning, ensured the event's flawless execution.



The competition rigorously challenged students to construct intricate L-junctions and T-junctions, adhering to the precise English bond technique. This immersive, hands-on exercise not only assessed their technical acumen and meticulous attention to detail but also cultivated a dynamic spirit of collaboration and spirited competition.

The proceedings were inaugurated with a stirring address by Dr. R. Shanmugam, Head of the Civil Engineering Department and Concrete Club Advisor. His inspiring remarks set an empowering tone for the day. This was followed by a presidential address from Dr. S. Chitra, Principal Incharge, who underscored the pivotal role of co-curricular engagements in fostering well-rounded professionals. Dr. K. R. Muthuswamy, the Director, then offered a commendation, celebrating the commendable efforts of both students and faculty.



The distinguished judging panel, comprised of civil engineering lecturers Mrs. C. Sowmitha and Mr. M. Chandran, conducted a meticulous and rigorous evaluation of the teams' craftsmanship, alignment, and overall finish, ensuring an equitable assessment.



The pinnacle of the event was the prize distribution ceremony, where the top-tier teams were honored for their outstanding brick-laying prowess. Mr. P. Dhanasekaran, Junior Drafting Officer, extolled the students' participation and urged their continued engagement in such skill-enhancing endeavors.



The flawless operation of the contest was a testament to the steadfast support of Mr. S. Marimuthu, Skilled Assistant, Mr. P. G. Sanjai Prasath, Lab Assistant, and Miss K. Monisha, Lab Assistant. The entire event was masterfully coordinated by Mr. V. Manimuthu, the Concrete Club Coordinator. The event concluded with a heartfelt vote of thanks from the coordinator, followed by valuable feedback from the students. Participants expressed their profound appreciation for the opportunity to gain practical experience and unanimously requested the regular organization of similar events to bridge the critical gap between theoretical concepts and practical application.