

EDITION OF JAN./FEB.2020

FEATURES:

STUDENTS' SECTION FACULTY CONTRIBUTION

OSCs

VISION OF THE DEPARTMENT

TO BE A CENTRE OF EXCELLENCE IN CIVIL ENGINEERING EDUCATION THROUGH FULL-FLEDGED LEARNING EXPERIENCE ALONG WITH RESEARCH.

MISSION OF THE DEPARTMENT

TO ACCOMPLISH OUR VISION, WE ARE COMMITTED TO

- PROVIDE HIGH QUALITY TECHNICAL EDUACTION FOR UNDERGARDUATE,POST GRADUATE AND DOCTORAL PROGRAMMES IN CIVIL ENGINEERIING
- ☐ CREATE EXCELLENT INFRASTRUCTURE FACILITY AND STATE -OF-ART LABORATORIES
- ENCOURAGE FACULTY AND STUDENTS TO CARRY OUT SOCIALLY RELEVANT RESEARCH THROUGH COLLABORATUION WITH INDUSTRY
- ☐ INCULCATE ETHICS AND ENSURE COMMITMENT TO THE SOCIETY WITH LEADERSHIP QUALITIES.



INSDAG

YUKTA 2020

IGNITRRON 2020

GEOVIDEO CONTEST

VISAI 2020

IGSQFIESTA 2K20

DISTRICT LEVEL BADMINTON COMPETITION

FACULTY CONTRIBUTION

PAPER PUBLICATION

GUEST LECTURES

CLEANLINESS DRIVE

Other Signicant Contributions (OCLs)

INTERNSHIP

OCLE

NBA ACCREDITATION

2015-19 GRADUATION



VISAI 2020

Our second year and third year students secured first place in "Clean water and sanitation" themed project display conducted by R&D Institute of science and technology.

Team members:
Mr. S. B Ajay
Ms. M. Dhanabharathi
Ms. V. M. Divya Dharshini

Mentor: Mr. V. Yogeshwaran

YUKTA 2020

Second year and third
year students
participated and won the
overall runners position
in National Level
Technical Symposium
YUKTA 2020 held at PSG
Institute of Technology
and Applied Research,
Coimbatore on 5th and
6th of February.





IGSQFIESTA 2K20

SKCET Third year

students Mr. C. Manoj

Kumar and Mr. B. K.

Aadhish won second prize

in quiz competition,
IGSQFIESTA 2K20
conducted by IGS,
coimbatore chapter
conducted in Karpagam
Academy of Higher

Mentor:

Education

Ms. M. Sugunadevi

IGNITRRON

Second year students Ms. T. S. Vignathirisaa and Mr. K.

Prasanna got first place in the paper presentation event held at KPR College of Engineering and Technology. Also, Mr. S.

Pradeep Kumar won first prize in an event "Tensegrity and Ms.

T. S. Vignathirisaa and Mr. S. Logeshwar won first prize in an

event "Estimation Filing"







GEOVIDEO CONTEST

SKCET second year civil engineering students bagged bagged First place and third prizes in the Geovideo contest and they bagged third prize in the Geowall event conducted in SRM University.

Ms. A. Maragaret Jennifer, Ms. C. P. Subhashree, Ms. S. Neshika and Ms. M. Sakthi Sri were the victorious students.



Name:Sashwath, Arundhathi



Names: Lakshmi R Mohan, sashwath.



Names: Adithiya Varma, vishal(ece).



Names : Adithiya Varma , Arundhathi.

KRIYA 2020

Our second year civil engineering students won multiple laurels in the non technical events held in "KRIYA 2020" held at PSG College of Technology.

Ms. A. Arundhathi and Mr. B. Adithya Varma - 2 infinity and beyound - 1st Prize

Ms. A. Arundhathi and Mr. Y. G. Sashwanth - Techno Thrones- 2nd Prize

Ms. Lakshmi R Mohan and Mr. Y. G. Sashwanth - Forensicist - 1st Prize

Mr. B. Adithya Varma - Techno Thrones - 1st Prize

Mr. B. Adithya Varma - Flash Math - 1st Prize



BADMINTON COMPETITION

Our third year civil
engineering student Mr. G.
Vignesh won third position
in the sport of badminton
held at the District Level
Chief Minister's Trophy 2019
- 20. This event was
conducted by the Sports
Development Authority of
Tamilnadu, Karur District.





INSDAG

SKCET civil engineering students participated in final round of National level students competion-INSDAG 2018-19 at Kolkata. This team was one amoung the best 16 teams throughout India.

Team members:

Mr.K Ashwin

Mr.T.S. Aravind

Ms.C.U.Lavanya

Ms.K.Jayashree Nachiyar

Mentors

Mr. R.Vighnesh &

Mr. S. C. Boobalan





PLANNING APPROVAL PROCESS

Research and **Innovation cell (R & I)** organized a guest lecture on "Planning approval Process" on 28 Jan. Er Mano Moorthy, Design and engineering, VLAND Best Hub, Pvt Ltd, **Coimbatore delivered** the content. Students were given good exposure on approval process involved with different urban local bodies(ULB).

Organiser: Prof. A. Jesudass



CLEANLINESS DRIVE

As a part Swachhata Pakhwada, **Department of Civil Engineering** organized e-waste collection campaign at the college premises. The aim of the campaign was to create effective awareness on handling an disposal of E-waste among the stakeholders of the college. During the event, all the e-waste which were brought in by the students were handed over to Mr. **Prasanth Omanakuttan, Managing** partner of Green Era Recyclers, Coimbatore. The agency is authorised by the government for handling and disposing e-waste collected within the coimbatore region. Special mention to Prof. S. Sadheesh for the collecting and handing over the waste to the esteemed guest.



HEC

On behalf of Higher **Education Cell of Civil Engineering Department, a** lecture was arranged on the topic "Awareness Program Of GATE-2021 and **GATE-2022 Aspirants".** Shiny Mon Pushparaj, **Assistant Manager, Academic Relation, THE GATE ACADEMY** was the resource person. He addressed both II year and III year students about the importance of GATE **Examination and Public Sector Units opportunities in** various renowned government organisations like IOCL, NLC, GAIL, Power **Grid etc., for Civil Engineering Graduates** through GATE. **Organiser:**

Organiser:
Ms. M. Sugunadevi



PAPER PUBLICATIONS

Mr. S. C. Boobalan, Assistant **Professor, Civil Engineering** department published his paper "NUMERICAL EXAMINATION OF REINFORCED CONCRETE **SKEW SLABS"** in IJITEE Journal indexed in Scopus.

Numerical Examination of Reinforced Concrete Skew Slabs

Boobalan S C. Abirami P. Indhu K pronounced. The loud path direction change in every skew bridge brings the subsequent characteristics such as increase of transverse moment, decrease of longitudinal moments, obtase corner will be having updire reaction and acute corner will be having updire reaction forces. These special hardcriteristics of seek bridges make their analysis and design more intricate than right angled bridges.

Skew also structures are frequently used in modern construction in the form of non-orthogonal reinforced concrete also supported by skew grid of beams. Such structures find possible applications as Hoses in bridges and buildings. Hence aproper method of analysis of skew slabs is essential for their safe and efficient design and the establishment of the state of t

Abstract. Skew slab structures are frequently investigation used in modera construction in the form of son-ordingonal reinforced in modera construction in the form of son-ordingonal reinforced in the construction of the construction of solutions. Skew slabs contribute to a minimal environmental impact for recent and construction projects. Thus, it difficult to analyse the skew slab bridges them the right angeled bridges. The primary objective slab bridges than the right angeled bridges. The primary objective slabs the skew slabs has determine the effect of different arrangements of skew slabs. First side external tensification of size of single-construction of skew slabs, the skew and the right size men or arrhopound and so is it is ambiguous the effects of different types of reinforcement interest to study the effects of different types of reinforcement alignment, dimensions are similar in all the skew slabs, for the samples of yelser white the skew slabs. For identifying the effective reinforcement pattern in all the skew slabs, deformation, sixes, strain behaviour were studied, by the skew slabs, for identifying the effective reinforcement pattern having kees slabs studies. On analysis, the behaviour of different reinforcement pattern for the edisposit skew slabs the side disting desired principles of the side of the stab is studied using ANSTS (R.18.1) and the effective reinforcement pattern is suggested.

Keywords: ANSYS, Numerical investigation, Reinforcement

I. INTRODUCTION

Newly designed bridges are often skew owing to space constraints in urban areas. Skew bridges allow roadway to him the state of the skew owing to space constraints as him selection of roducine. Skew allow roadway to him the skew of the skew bridges for recent road is skew bridges. For end wis more complicated in skew bridges. For end wis more complicated in skew bridges. For making the skew slab structures effective, munerical calculations alone is not sufficient. By performing the numerical analysis of skew bridge are modelled by varying the features and degrees of angles. In right angle bridges the load path goes straight towards the support in the direction of the span. In skew bridges this is not the case, for a solid slab skew bridge, the load tends to take a shortcut to the obtuse corners of the bridge. In bridge decks supported to the obtuse corners of the bridge, the bridge decks supported by longitudinal girders this effect occurs too, although less

Revised Manuscript Received on February 06, 2020.

S. C. Bondsham', Crid Engineering Department, Fok Krishna College of Engineering and Technology, Coimbaber, India.

P. Abirani, Crid Engineering Department, Sir Krishna College of Engineering and Enchology, Coimbaber, India.

K. India, Civil Engineering Department, Sir Krishna College of Versineering and Enchology, Coimbaber, and Sir Versineering Annual Sir Versineering An

Retrieval Number: E2435039520/2020@BEIESP DOI: 10.35940/ijitee.E2435.039520

II. REVIEW OF LITERATURES

Anagha Manoharan et al (2016) conducted investigation by varying skew angle and span length of skew slab along with different carriage widths. They found that the shear force of skew slab having loading condition of knife edge is increasing steadily and nearly increment of 30%. As the skew angle gradually increasing to 60°, bending moment of skew slab having concentrated loading and knife edge loading decreases as 65% and 75% respectively. S. K.



PAPER PUBLICATION

Dr. P. Saravana Kumar, **Associate Professor, Civil Engineering department** published his paper "EHAVIOUR OF STRENGTHENED MASONRY **ARCHES WITH STEEL REINFORCED GROUT"** in International Jounrnal of Scientific & Technology Research indexed in Scopus.

NTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH VOLUME 9, ISSUE 01, JANUARY 2020

Behaviour Of Strengthened Masonry Arches With Steel Reinforced Grout

Abstract Missorry arch was one of the oldest man-made construction techniques that were in existence. This study deals with the behavior masorry arch strengthened with steel reinforced grout (SRG) constituted of steel mesh embedded in a cement matrix that was bonded at either or at the strades portion of the arch. In this study efficiency of strengthening system in enhancing the performance of masorry arche was investig freedulin terms of adde bearing capacity, suturitual behaviors and failtain rencharants were observed from the experimental investigation. The first states, nine arches were tested by means of load control up to the point of collapse. Experimental results of masorry arches strengthened using mesh with spanning fill from the basis for numerical investigation. The results showed that an arch reinforced with steel mesh placed at extrados more effective in strength enhancement.

1. INTRODUCTION

1. INTRODUCTION
The increased service loads, aging of the structure, poor maintenance, and movements in the abundments in masonity arch structures necessitate repair or strengthening of structures. It is very difficult to understand and assess the structural behavior of the unreinflored masonity arch existing structure [1], Modern Non destructive techniques were used to estimate the present condition of the structure. After the sestingle the present condition of the structure. After the detailed structural assessment suitable retrofitting techniques were adopted to repair or strengthening the structure. Conventional retrofitting techniques improved the stability of

were adopted to repair or strengthening the structure. Conventional refortfiling techniques improved the stability of the structure which was very important factor in historic value structures [2].

One of the impressive characteristic of arches was adoptability to the movement in their supporting structure and doesn't cause any harm to the structure until the arch was converted into mechanism by the formation of hinges. By providing suitable reinforcements externally or internally retrieves the structural stability and increase the load carrying capacity of the masonity arch structure [3]. Nowadays many new reinforcing FRP materials were used in repair or strengthening of arch masonity works [4], [5]. The usage of composite materials facilitates the masonity structure to exclude the mechanical structures are structured to exclude the exclude the structures are structured to exclude the exclude the structures are structured to exclude the e

Engineering,
Sri Krishna College of Engineering and Technology, Coimbatore,
Sri Krishna College of Engineering and Technology, Coimbatore,
Tamihadu, India E-mail:psaravana2000@gmail.com
P Praven Kumar, School of Civil Engineering, SASTRA Deemed to
be University, Thanjavur — Tamihadu, E-mail:
praveen.seg1001@outlook.com

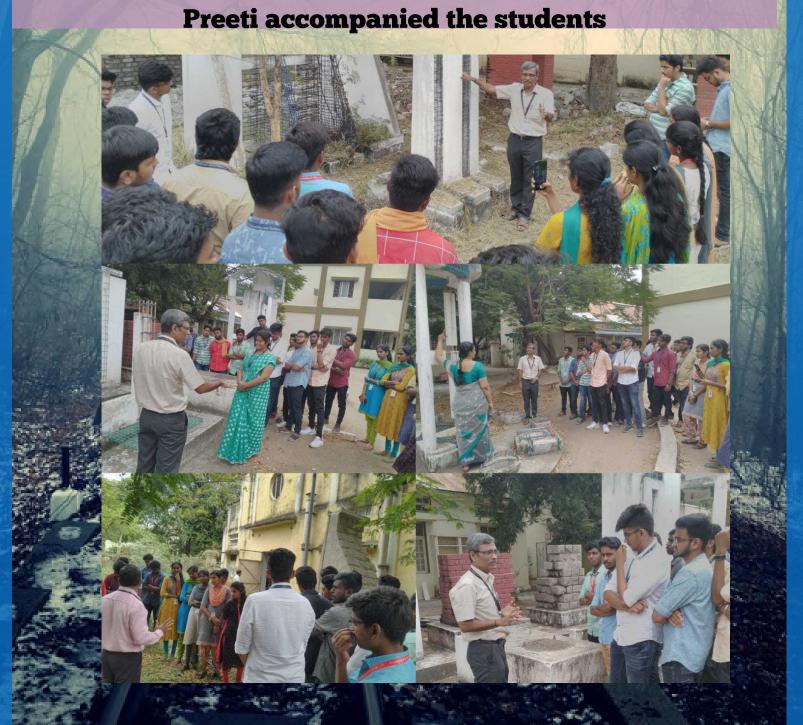
this was applicable for both intrados and extrados of the arch. It was worth noticing that the reinforcement can be continuous (applied to the whole structure) or partial (applied to those areas which were considered to be most critical). Composites of utilizahigh strength steel chords which were embedded in montar matrices were also used effectively to strengthen the masony arch structure [7]. [8]. [9]. The compatibility and sustainability of steel reinforced grout (SRO) was compared with FRP counterparts for external strengthening of masonry structures. SRS showed superior behavior than FRP in terms of bonding [10]. [11]. The masonry arches reinforced with plass fiber and carbon plates at intrados did not reach the state of collapse and it carried more load than the unreinforced arches which was falled due to the collapse. The failure of reinforced arches depends on the bonding behavior of the creates are successful an extension of the control of the collapse and the strength and the strength

Z EAPENIMEN IAL PROGRAM
The experimental investigation was carried out on unstrengthened and strengthened (both extrados and intrados) masonry arch. Inflially the experimental campaign was done to characterization of constituent materials. Tension test was carried out on steel fibre mesh and compression test were performed on bricks and cement based matrix

As a part of the Outside Classroom Learning, third year students from the Department of Civil Engineering visited SriVari Ekantam (Luxury Villas) Ramakrishna Mills, Sathy Road, Coimbatore. Students gained a lot of practical perspective pertaining to the subject Design of Reinforced Concrete Elements. Prof A. Jesudass and Prof. R. Vighnesh accompanied the students for the field visit



Second year Civil Engineering students visited GCT and GASS Forest Museum for Outside Class Learning Experience activity for the course Mechanics of Materials. Students gained knowledge on water retaining structures and reinforcement detailing of various structures through prototype models. Professors P. Saravanakumar and G.



As a part of the Outside Classroom Learning, second year students from the Department of Civil Engineering visited Varma Ready Mix Concrete plant located at Pattanam pirivu near Vellalor, Coimbatore. They were given exposure about the various components of the Ready mix concrete plant by L&T personnel. Professors Mr. M. R. Ezhil Kumat and V. Yogeshwaran accompanied the students.



Final year students from the Department of Civil EngineeringMr. N.

Sarath Kumar, Mr. R. Praneshkumar, Mr. K. Ragavarthan and Mr. C.

Raghul attending their Internship Training at Srivari Property

Developers. This will carry 12 credit points for the students in their final semester of their graduate program. Moreover, the students will get a practical exposure to the theory concepts learnt in the class sessions.



Final year students of Civil Engineering - Ms. S. Maiyuri, Ms. C.U.

Lavanya, Ms. C. Srividya and Ms. Jayalakshmi attending the internship
in a construction project titled "Prozone Palms" by Alliance Mall

Developers Co. Pvt. Ltd. The outcomes of the Internship were:

- 1) Estimation of Quantities up to stilt floor level
 - 2) DPR submission (Daily Progress Report)
 - 3) Progress Management
 - 4) Supervision
 - 5) Quality Checking



CIVIL ENGG, DEPT IS NBA ACCREDITED!!

SKCET Civil Enginerring department has been awarded accreditation by the National Board of **Accrediatation (NBA) for a** period of three years. This accrediation can be credited to the civil enga. and S&H staff members (Teaching and Non Teaching), students, management, Heads of departments, Controller of **Examinations and Prinicpal for the support** through the process. THANK YOU ALL!!

NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4* Floor, Bhisham Pitamah Marg, Pragati Vihar, New Delhi-110 003 Tel: +91 11 2435 0620-22, 2436 0654; Telefax; +91 11 4308 4903 Websita: www.pbaind.org



F.No- 33-21/2010-NBA

Date: 31-01-2020

To The Principal Sri Krishna College of Engineering and Technology, Sugunapuram, Kuniamuthur Post, Colmbatore- 641 008, Tamil Nadu

Subject: Accreditation status of programs applied by Sri Krishna College of Engineering and Technology, Sugunapuram, Kuniamuthur Post, Coimbatore- 641 008, Tamil Nadu.

This has reference to your application I.D. No. 3884-16/07/2019 seeking accreditation by National Board of Accreditation in Tier-I format to UG Engineering programs offered by Sri Krishna College of Engineering and Technology, Sugunapuram, Kuniamuthur Post, Coimbatore- 641 008, Tamil Nadu.

An Expert Team conducted on-site evaluation of the programs from 10th to 12th January 2020. The report
submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The
competent authority in NBA has approved the following accreditation status to the programs as given in the table
below:

SI. No.	Name of the Program(s) (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Civil Engineering	Tier-I	Accredited	Academic Years 2020-2021 to 2022-2023 i.e. upto 30-06-2023	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the competent authority,
2.	Electrical & Electronics Engineering		Accredited		

- It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.
- 4. The programs have been granted accreditation for 3 years. Sri Krishna College of Engineering and Technology, Sugunapuram, Kuniamuthur Post, Colmbatore- 641 008, Tamil Nadu should submit the Compliance Report at least six months before the expiry of validity of accreditation mentioned above to be eligible to be considered by the concerned Committee in NBA for further processing of the accreditation status. This could entail further extension of accreditation or a visit, as deemed appropriate by NBA Committees.
- 5. The accreditation status awarded to the programs as indicated in the above table does not imply that the accreditation has been granted to Sri Krishna College of Engineering and Technology, Sugunapuram, Kunlamuthur Post, Coimbatore- 641 008, Tamil Nadu as a whole. As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

Hunding

Contd./...





Graduation Ceremony Batch of 2015 - 19

Chief Patron

Smt. S. Malarvizhi, Chairperson and Managing Trustee, Sri Krishna Institutions

Patron

Dr. K. Sundaraman, CEO,Sri Krishna Institutions

<u>Co-Patron</u>
Dr. J. Janet,
Principal,SKCET

From the Editorial Team of

Dr. D. Maruthachalam, HoD/Civil Engineering

Mr. R. Vighnesh Assistant Professor, Civil Engineering

Mr. R. Gausikan,& Mr. R. Shankar III Year Civil Engineering.