KAMMAVARI SANGHAM GROUP OF INSTITUTIONS

STAFF SELF APPRAISAL REPORT

2018-2019

KSSEM

Field	Data	SCORE
Name	Dr Vijayalakshmi Akella	
Present Address, Mob.No., e-mail id.	15,narasihmaih gardens, 19th A cross, 18th Main, J P Nagar V phase, Bangalore -78 9845399068 hod.civil@kssem.edu.in	---
Age and Date of Birth	01-07-1965	
Qualification	Ph.D.	
Designation and Department	Prof and Head, Dept of Civil Engineering	
Teaching Experience (After PG)	29 YRS10 Months	
Other Experience(If any)	8 months in J.J Consultants as Structural Engineer	
List of Subjects Taught till date and percentage pass (use separate sheet if necessary)	Enclosed	
Subjects taught in the Assessment Year and percentage pass (10marks for each x Percentage)	1.Hydraulics and Hydraulic Machinery 2.Structural analysis (results awaited) 3.Research Methodology (86%) 4.Earthquake Engineering(92.8%) 5.RCC (89%)	35/40
Details of UG Projects Guided (5 marks/ project guided)	1.Design of energy efficient buildings for moderate climates 2. Comprehensive plan for the Development of mallur village and evaluate the beneficiary schemes implemented.	9/10
Details of PG Projects Guided (5 marks/ project guided)	1.Ductility demand for high rise structures 2.Performance of Beam column joints for stone masonry 3. performance of beam column joints for	10/10

	hybrid structures 4.Estimation of performance points in high rise structures	
Additional Inputs given in the class in addition to the syllabus (Give proof and justification) (If applicable)	IS code Provisions discussed Case studies like Bhuj, Nepal Earthquakes and damages to Masony and RCC buildings discussed	3/5
Guest / Invited Lectures arranged (2marks /lecture) Max 5 marks.	1. work shop on MATLAB , 28th and 29th January 2019 2. Model Making Workshop was conducted by CADD Centre Banashankari 27/09/2018 3. 2 day workshop on contracts and E tenders, 2nd 3rd May 2019 4. ACCE(I) - Ultratech Endowment Lecture by Ajit Sabnis 7/3/19	5/5
Details of Industrial Visits arranged. (2marks/visit) Max 5 marks.	1. 15/11/18 Markonahalli dam 2. Construction site near Uttarahalli, Bangalore on 11/10/2018. 3. 27/4/2019 geology site visit	5/5
Number of FDPs attended since joining service (Attach Separate List)	1	--
Details of students mentored during current assessment year.	All students of 2,3,4th years	--
Details of Participation in VTU Bodies (2 Marks)	BOE 2017-18	2/2
Details on Examination related Activity (2marks each)	1. Practical Exams 2. Conduction of Theory exams 3. Paper Setting - VTU 4. Evaluation-	8/8
List of FDPs attended during the Assessment year (5 marks each) (Attach Certificate copies)	1.	5/10
Financial Assistance received during current year for attending FDPs	Rs 1000	--
Status of Ph.D. [Attach proof for each stage]	Awarded	

(This can be claimed only once during a life time after the PhD is awarded) [Attach proof for every claim]		10/10
Research Publications: (5 marks each) [Attach copies of Title Page]	enclosed	10/10
Seminars / Workshops / Conferences attended (5 Marks each) [Attach Certificate Copies]	Conducted NCASM 2015, NCASM 2016	5/10
Financial Assistance received during current year	3000	--
Registered as Research Guide (Reasons for not registering)	Yes	
No. of Research Scholars registered with details	5	5/5
Details of Patents Applied for (If any)	In the process	/5
Academic Programs organized and supported during current year. (FDP/Workshop/Seminar / Conference)	NIL	/5
Details of programs attended for skill development like MOOCs, MOODLES and others	NIL	/5
Details of Utilization of NPTEL and other Online materials for augmenting own lectures.	1.Introduction to structural dynamics Dr R Pradeep Kumar, IIT Madras Videos on single degree and 2 degree freedom systems referred and examples shown to students. 2.Mode shapes	3/5
Details of Project Proposal submitted during the current year. (At least one)	NIL	/5
Details of Project Funds Received.	Rs. 20 LACS FROM VGST Rs 10 LACS ALREADY RECD SECOND INSTALMENT DUE. GAVE PRESENTATION ABOUT THE PROGRESS REPORT	5/5

	RECD LETTER REGARDING APPROVAL OF SECOND INSTALLMENT	
Consultancy Revenue Generated	Rs. 10,000 RS	3/5
Details of Participation in cultural events during the current year	1) PREPARING EVENT LIST 2) EXECUTION OF EVENTS ON STAGE 3) ORDERING AMAZON VOUCHERS FOR GIFTS	4/5
Additional Responsibilities in the Department/ College Example: Head, Coordinator etc.	1) HEAD/ ADMINISTRATION WORK 2) NAAC COORDINATOR 3) RESEARCH ACTIVIIES	10
Details of Life Membership for Professional Bodies (IEEE CSI SEA ISTE .....)	LIFE member ship for ISTE LIFE member ship for ISET	5/5
Graduation Day Responsibilities. (If any) Please mention your role.	SMOOTH FUNCTIONING OF THE EVENT	/5
TOTAL		145/190

Date: 18-7-2019

Signature of faculty

Professor & Head
Dept. of Civil Engineering
K.S. Group of Institutions
K.S. School of Engineering & Management
Bangalore-560 062

Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Management
Bengaluru - 560 109

16SEE, IIT ROORKEE

16th Symposium on Earthquake Engineering
December 20-22, 2018
IIT Roorkee, India
Paper No. 345

Seismic Analysis of Hoysala Architectural Building

V. L. Gudasali[1*], V. Akella[2] and B. K. Raghuprasad[3]

[1]Research Scholar, Dept. of Civil Engineering, KSSEM, Bengaluru, vasanthalakshmi07@gmail.com
[2]Professor and Head, Dept. of Civil Engineering, KSSEM, Bengaluru, vijaya.akella@gmail.com
[3]Retd. Professor, IISC, Bengaluru, bkriisc@gmail.com

Abstract

Indian architecture, which is standing with an unmatched beauty and grandeur in the wake of time against the forces of nature are the living evidences of structural efficiency and technological skills of Indian craftsman and master builders. Some of the examples of Indian architectural styles are Nagara style Kedarnath temple, Dravidian style Virupaksha temple Islamic style Gol-Gumbaz and Indo-Islamic style St. Thomas Syro-Malabar Catholic Church.

In order to understand the behavior of buildings it is very appropriate to study the behavior of the existing buildings, best examples are the heritage temples. In this context a heritage temple in South India is chosen to study the frequency of the temple structures. The temple considered for the study is Amrutesvara temple which is one of the most ancient and famous temples of Karnataka, located in Amruthapura, Chikkamagalur district. The temple was built by Hoysala king, Veera Ballala II around 900 years ago.

For the present study, temple was modeled using finite element software and analyzed to find the natural frequency of the structure. On-site ambient vibration test was carried out by installing accelerometer where wind and human activity were considered for excitation to find natural frequency. Frequency obtained i.e. 3 Hz was compared with FEM model frequency i.e. 3.68 Hz. The structure was also 3D printed using Poly Lactic Acid material (PLA). The scale chosen was 1:45 for part of a temple and 1: 25 for space frame to fit 1m × 1m shake table.

Introduction

Hoysala architecture evolved between 11th and 14th centuries. Chennakesava temple at Belur (see Figure 1), the Hoysaleswara temple at Halebidu (see Figure 2), Kesava temple at Somnathapura and Amruteswara temple at Amruthapura (see Figure 3) are the great examples of Hoysala architecture.

Salient features of Hoysala architecture style are Mantapa, Vimana and Sculpture. The best suitable shape for the open Mantapa is the staggered square which is seen in most of the Hoysala temples. The roof consists of deep domical surfaces with sculptural decorations of banana bud motifs and other such decorations. The outer and inner Mantapa (open and close) have circular pillars (columns) having four brackets at the top (head). Over each bracket there stands a sculptured figure. The shape of the pillar, capital, whose shaft is a monolithic structure which appears like lathe turned to render different shapes is a remarkable feature of Hoysala architecture.

The Vimana also called the cella contains the most sacred shrine where in resides the presiding deity. The Vimana is plain and square inside and quite different outside with lavish

decorations. A Gopuram is usually tapered and oblong with ground level consists of wooden doors often richly decorated which provide access.

The paper presents an attempt to scale down the temple as well as find the natural frequency of the building.

1. To geometrically scale down the model in proportion to the mass and stiffness of the temple structure.

2. To subject the scaled model (1:45) to ground motion test using shake table

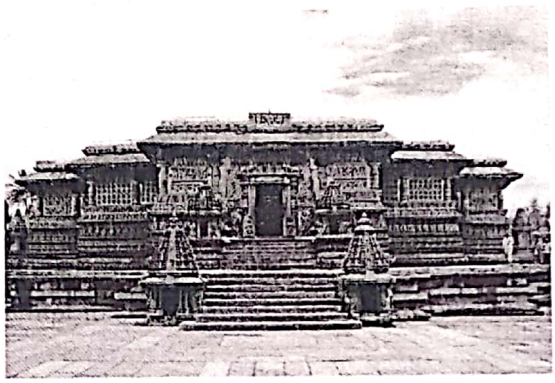

Figure 1. Chennakesava Temple at Belur

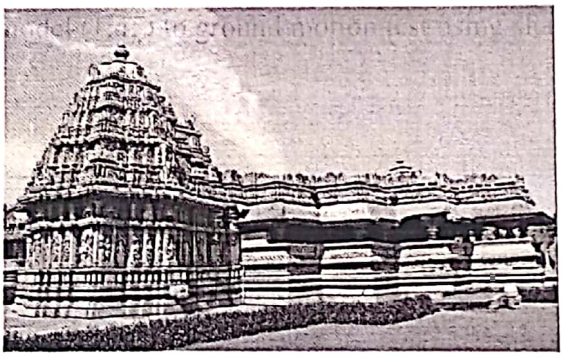

Figure 2. Hoysaleswara Temple at Halebidu

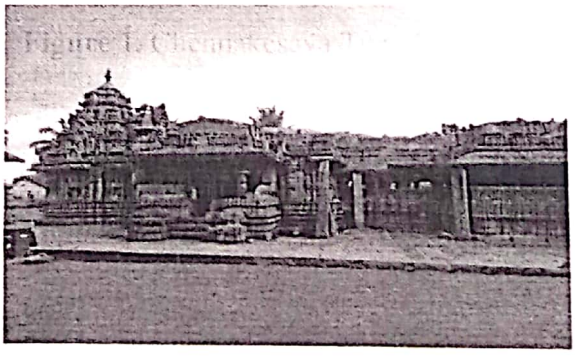

Figure 3. Amruteswara Temple at Amruthapura

Literature Review

Analysis of historic masonry monuments by numerical modeling has been carried out by other investigators, few with dynamic characteristics analysis. Benjapon Wethyavivon et al. (2014) carried out analysis on Thai historic masonry monuments at the Ayutthaya world heritage site to understand structural behavior and provided critical information for planning and prioritizing restoration as well as access their safety. Measured in-situ frequencies were found to be 3.9 Hz and 2.3 Hz for 62.1 m high bell shaped and 31.6 m high corn shaped structures respectively. From numerical modeling the above frequencies with fixed base were 2.98 Hz and 3.10 Hz whereas with subsoil inclusion they were 1.23 Hz and 2.41 Hz respectively. The properties considered for modeling viz. elastic modulus was 3.020 MPa, poisson's ratio was 0.21 and compressive strength was 3.92 MPa.

Jaishi et al. (2003) carried out analysis on dynamic and seismic performance of old multi-tiered temples in Nepal. The in-situ measured frequency by ambient vibration test was compared with the analytical value. An empirical formula was established to estimate the natural period of vibration for Nepal temples. It was found that the largest period was 0.6s for the highest tower of height 21.93 m.

The problem of testing a scaled model of sixteenth and seventeenth century rammed earth-built churches in the Andean highlands subjected to earthquake ground motion was addressed by Daniel Ruiz et al. (2014). The purpose of testing the model was to conduct a comparative evaluation of the seismic performance of scaled model of rammed earth built doctrinal churches, with and without confining reinforcements by wood elements. The displacements were reduced by providing reinforcement with wood elements. The displacements were found to be 4mm to 7.1mm for unreinforced model and 1.2mm – 1.4mm with LVDT located at different positions.

Meher Prasad et al.(2008) worked on seismic vulnerability of south Indian temples with an effort to protect the monuments from earthquakes, as less studies has been carried out on south Indian temples. The temples considered for the study is Ekambaranathan temple in Kanchipuram. Fundamental frequency of the site was estimated to be 3.63 Hz which was closely matching with the fundamental frequency of the Mandapam. From FEM analysis using commercially available package ABAQUS 6.6.4 the frequency for 4 pillared Mandapam was 3.53 Hz and for 16 pillared Mandapam was 3.46 Hz in Y-direction being the first mode. Through ambient vibration the frequency was found to be 3.56 Hz for 4 pillared Mandapam and 3.10 Hz for 16 pillared Mandapam.

Methodology

A part of the whole temple is modeled to 1:25 scale as a space frame to check the scaling laws. As the results were found to be encouraging, the scaling has been extended to the whole temple and is 3D printed using PLA material. The printed 3D model has also been subjected to ground motion on a shake table to find the natural frequency. Natural frequency of the temple is found by conducting the ambient vibration test on site.

Ambient Vibration Test

Ambient vibration test is conducted to find natural frequency of the temple. The accelerometer transfers the data to data acquisition system. The typical set up of ambient vibration test equipment is shown (see Figure 4). Accelerometer was connected on some of

the structural elements to measure the natural frequency using excitation induced by human, traffic and wind.

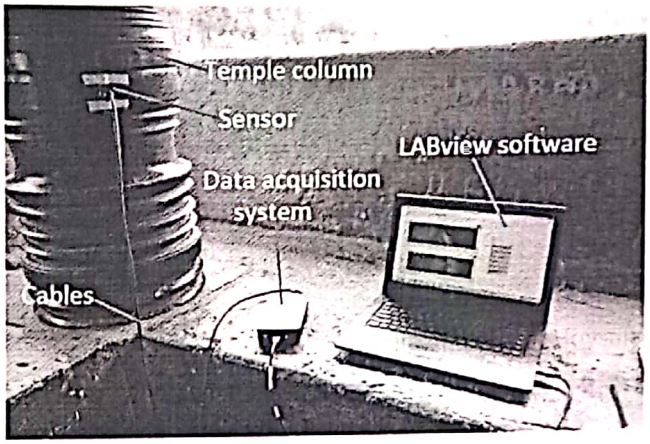

Figure 4. Typical Set of Ambient Vibration Test Equipment

Numerical Modeling

The temple structure was modeled in ETABS software and the description of temple geometry is as follows:

- Site dimension = 70×85m
- Temple dimension = 14.85×27.7m
- Storey height = 3m
- Main Gopura height = 6m
- Second Gopura height = 4.5m
- Circular column diameter = 380mm
- Beam dimension = 400×600mm
- Wall thickness = 300mm
- Slab thickness = 200mm
- Dome thickness = 300mm
- Gopura thickness = 300mm
- Material used for construction = soap stone

Centerline and column layout of the temple is prepared in AutoCAD (see Figure 5) and imported to ETABS software for the modeling and analysis (see Figure 6). The analysis is carried out to find the natural frequency of the structure for different scales and for two different materials properties (see Table 1). The natural frequency obtained for different models are tabulated below (see Table 2, Table 3 and Table 4).

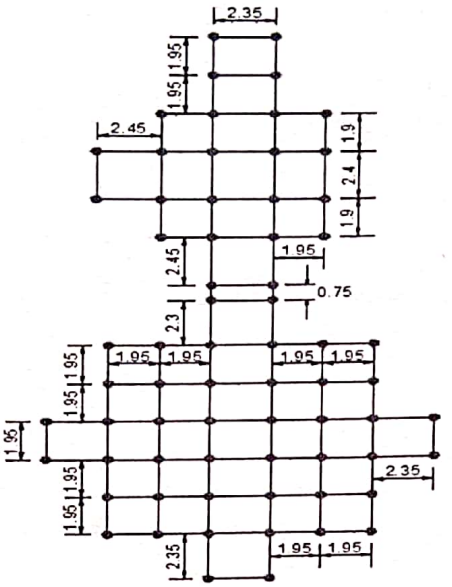

Figure 5. Centerline and Column Layout of the Temple

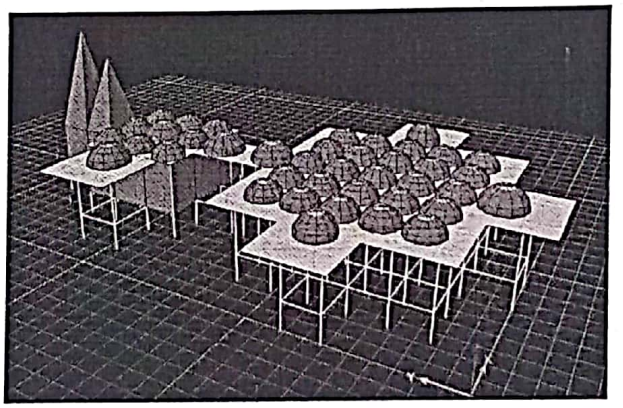

Figure 6. Numerical Modelling of the Temple

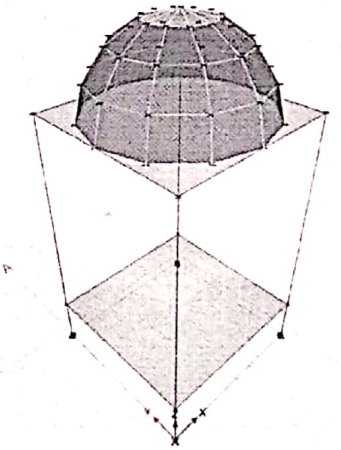

Figure 7. Numerical Model of the Space Frame

Table 1. Material Properties

Materials	Density (kN/m^3)	Elastic modulus (MPa)	Poisson's ratio
Soapstone	27.5	10000	0.24
Poly lactic acid	12.5	3500	0.36

The properties of soapstone were collected from National Institute of Rock Mechanics, Bengaluru. However in the next stage of work, laboratory test will be carried out to determine the properties of the soapstone.

Scaling Factor

Model scaling is done following scaling laws, which includes geometrical scaling as well as scaling of mass and stiffness. Numerical modeling and theoretical calculations for a single space frame (see Figure 7) with Poly Lactic Acid (PLA) material is analyzed. Temple model (1:25) and prototype are analyzed using ETABS. The frequency obtained for the model is 123 Hz and that of prototype is 4.9 Hz.

Shake Table Test

Model of space frame and a part of temple of scaling 1: 25 and 1: 45 respectively were 3D printed using PLA material as individual members such as slab, columns, beams, heads, domes, gopura and wall panels. These members were later joined with glue so that it provides partially fixed conditions as in the case of the real existing structure. The whole model was placed and glued on a base plate of 5mm thickness and then the base plate was fixed to a shake table using bolts. The models were tested on an electrodynamics shaker of size 1m × 1m (see Figure 8) at CPRI Bangalore. The frequencies obtained through shake table test for space frame which is a part of the temple and the whole temple are 43.57 Hz and 97.2 Hz respectively (see Table 2 and Table 3)

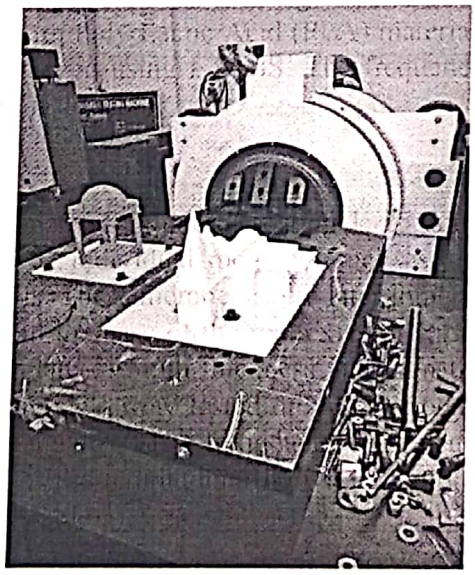

Figure 8. Testing of Models on the Shake Table

Results and Discussions

The model (1:25) and prototype of space frame are analyzed in ETABS. The space frame model which is scaled to 1:25 has natural frequency of 123 Hz whereas the natural frequency of the prototype is 4.9 Hz. It is observed that the natural frequency of the model is proportionately increased by 25 times. This was also found to be true when analyzed theoretically using the formula (see Equation 1) to find natural frequency of the structure (see Table 2).

$$Wn = \sqrt{K / M} \tag{1}$$

The scaling down gave accurate values, hence it is extended to the temple and is modeled for 1:45 scale and the observed frequencies are 11.5 Hz and 526 Hz for prototype and model respectively (see Table 2).

The temple Model (1:45) and space frame (1:25) are printed in 3D using Poly Lactic acid material (PLA). The properties of PLA are listed in table 1. The models are subjected to ground motion on 1m × 1m shake table in the vibration laboratory of Central Power Research Institute, Bangalore (CPRI).The test results obtained are tabulated (see Table 3). The natural frequency obtained 43.57 Hz for space frame and 97.2 Hz for temple model disagrees with the values obtained by numerical modeling and manual calculations. The reasons are being analyzed.

Table 2. Natural Frequencies of Space Frame

Models	Scaling Factor	Frequency from numerical modeling in Hz	Frequency from Manual Calculations in Hz	Frequency from Shake Table in Hz
Space Frame (PLA)	1:1	4.9	3.78	
	1:25	123	94.73	43.57

Table 3. Natural Frequencies of part of a Temple

Models	Scaling Factor	Frequency from numerical modeling in Hz	Frequency from Shake Table in Hz
Part of Temple(PLA)	1:1	11.86	
	1:45	526.56	97.2

Table 4. Natural Frequency of Temple

Models	Frequency from numerical modeling in Hz	Frequency from Ambient vibration test in Hz
Full Temple (Soap stone)	3.758	3 Hz

Conclusions

The frequencies of model and prototype of space frame by numerical modeling and manual calculations are found to be same. However the temple model printed in 3D has natural frequency less when compared to the numerically modeled value. The natural frequency of the 3D model has been found by keeping the accelerometer on the gopura which is free cantilever standing on the top of the temple and therefore it may be the local frequency of gopura and not of the entire temple. However further investigations are required to study the young's modulus of material and the fixity of the joints.

Acknowledgements

This research was supported by Vision Group of Science and Technology (VGST). The authors would like to acknowledge Archaeology Department, Karnataka for providing structural details of the temple, Central Power Research Institute and K.S.School of Engineering and Management for the encouragement. The authors also thank the reviewers for their helpful comments and suggestions.

References

1. Jaishi, B., Ren, et al.,(2003). "Dynamic and Seismic Performance of Old Multi-tiered Temples in Nepal." Eng.Struct., 25(14), 1827-1839.
2. Kumar.S., et al.,(2015). "Building Science of Ancient Indian Temples". Proceedings of the national conference on innovative development in science, Haryana.
3. Park, H.J., Kim, D.S (2013). "Centrifuge Modeling for Evaluation of Seismic Behavior of Stone Masonry Structure". Soil Dynamics and Earthquake Engineering Journal. Vol.5, pp. 187-195.
4. Petry.S., Beyer. K. (2012). "Testing Unreinforced Masonry Structures at Reduced Scale". Proceeding of 15th world conference on earthquake engineering, Lisbon.
5. Ronald, J.A. Menon, A. et al.,(2018) " Modeling and Analysis of South Indian Temple Structures Under Earthquake Loading". Indian Academy of Science
6. Ruiz, D. et al.,(2014). "Seismic Rehabilitation of Sixteenth and Seventeenth Centaury Rammed Earth-Built Churches in the Andean Highlands: Field and Laboratory Study". Journal of performance of ASCE. DOI: 10.1061/(ASCE)CF.1943-5509.0000605.
7. WethyAvivorn, B.et al.,(2014). "Model Verification of Thai Historic Masonry Monuments", Journal of performance of ASCE. DOI: 10.1061/(ASCE)CF.1943-5509.0000697

Gmail vijaya akella <vijaya.akella@gmail.com>

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Dear Authors,

Greetings form NMIT, Bangalore.

I am pleased to inform you that your manuscript **ERCAM-48** is **accepted** for oral Presentation at ERCAM-2019. My own comments as well as any reviewer comments are appended to the end of this letter. Now that your manuscript is accepted it will proceed to publication.

However, we suggest you to incorporate all the attached comments of the reviewers before we take the next step for publication. In addition, kindly check your manuscript for formatting and other guidelines attached along with this email to avoid delay in publication. ***Once this is done, kindly update your file in Easy-Chair in word format on or before May 13, 2019.***

We thank you for your contribution to ERCAM 2019, a flagship event of NMIT – an International Conference conducted every alternate year. It gives us an immense pleasure to convey you that we have received good number of papers of very high quality across the world. Papers were checked for plagiarism (Limit of similarity < 20%) followed by a critical technical review of the paper from external experts. Based on the review comments and by further analysis by technical committee, a decision on the submitted paper is taken.

Now, we request you to register for the conference by paying the fees prescribed through NEFT on or before May 20, 2019. The account detail has been mentioned at the end. Further, send the details of your transaction toercam@nmit.ac.in for our convenience.

Please note that at least one of the authors must register for the paper to appear in the proceeding. Also, please make sure that your paper is presented at the conference. Meanwhile, the program schedule will be shared with you at the earliest.

See you soon at NMIT!

Guidelines for Registration

Registration Fee is to be paid in the form of
Wire transfer through NEFT as per the following details:
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Editorial Comments

be made as per the reviewers comments and resubmit

wers comments

1. Subject matter - Within the scope
2. Originality - Original
3. General Assessment - Poor
4. Title - Need revision
5. Language - Grammatically good
6. Abstract - Should be rewritten
7. Are the key words appropriate and useful? - Yes
8. Presentation - Too brief for clarity
9. Illustrations - Figures need to rearranged
10. References - Insufficient
11. Grading of paper -Weak
12. Introduction does not give background of the research.
13. Literature review is missing.
14. List of references are incomplete and not cited anywhere in the paper
15. What is the link between SCC and sleepers?
16. In Fig. 1, What are the numbers 300, 350 and 400?
17. Similarly what are the values 10, 12.5 and 20, in Fig. 2? May be size of aggreagtes? Paper lacks flow.
18. Why listed references are not cited anywhere in paper?
19. Why references are very less in number (7) and incomplete?

Title needs to revised
Language Need Revision
Abstract Should be rewritten
Key words are not appropriate
Illustrations Should be rearranged
The results obtained from the EDS analysis needs to be elaborated. As the experimental results were used for casting the sleepers, RDSO limits for the bond strength may be incorporated if any. Elaborative discussion required for the regression analysis

With Regards,
Dr. Vinyas M
Conference Secretary
ERCAM-2019
For Any Clarification and Assistance, feel free to contact;
Prof. Manjunatha. L
Co-ordinator ERCAM, Civil Engg. Department,
Mob-9886857638

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KAMMAVARI SANGHAM GROUP OF INSTITUTIONS

STAFF SELF APPRAISAL REPORT

2018-2019

KSSEM

Field	Data	SCORE
Name	Dr Arekal Vijay	
Present Address, Mob.No., e-mail id.	135, Sri Venkateshwara Nilaya, 2nd Floor, 5th Main, 3rd Cross, KSRTC Layout, Chikallasandra, Bengaluru 560061 Mob: 966350628 Email: arekal.vijay@kssem.edu.in	---
Age and Date of Birth	51 yrs, 23rd March 1968	
Qualification	BE, MTech, PhD	
Designation and Department	Professor, Civil Engineering	
Teaching Experience (After PG)	10 yrs	
Other Experience(If any)	13 yrs	
List of Subjects Taught till date and percentage pass (use separate sheet if necessary)	1. Elements of Civil Engineering 2. Building Construction 3. Concrete Technology 4. Geotechnical Engineering I 5. Geotechnical Engineering II 6. Ground Improvement Techniques 7. Earth and Earth Retaining Structures 8. Design Concepts of Building Services 9. Advanced Foundation Design 10. Design Concepts of Substructures	
Subjects taught in the Assessment Year and percentage pass (10marks for each x Percentage)	1. Design Concepts of substructures(100%) 2. Basic Geotechnical Engineering (78%) 3. Design Concepts of Building Services (100%) 4. Applied Geotechnical Engineering (87%) 5. Advanced Foundation Design (100%)	36.5/40
Details of UG Projects Guided (5 marks/ project guided)	1. Experimental Studies on Applications of Jute Geotextiles in Ground Improvement 2.	5/10
Details of PG Projects Guided (5 marks/ project guided)	1. 2.	/10
Additional Inputs given in the class in addition to the syllabus	1. Case studies were discussed including the problems faced by civil engineers	5/5

(Give proof and justification) (If applicable)	2. Discussed on career option available for civil engineering graduates including higher studies.	
Guest / Invited Lectures arranged (2marks /lecture) Max 5 marks.	Two Guest lectures on Building Services arranged for final year students	4/5
Details of Industrial Visits arranged. (2marks/visit) Max 5 marks.	1. Water treatment plant at Kanakapura 2. Precast concrete plant at Sobha Developers 3. Survey camps at Kaiwara, Melukote & Ghati	5/5
Number of FDPs attended since joining service (Attach Separate List)	9 (List enclosed)	--
Details of students mentored during current assessment year.	1. Akshay Kumar. H.R 2. Aswini. M.J 3. Basavana Gowda. G.N 4. Chaitanya. M.L 5. Dinesh. V 6. G. Harish Kumar 7. Gowtam. R.J 8. Haripteet B.M 9. Gonugntla Haripriya 10.Jagadeeshan 11. Abhilash J	--
Details of Participation in VTU Bodies (2 Marks)	AICTE Model Curriculum TEQUIP 1.3 Workshop (Two day workshop on deliberation of VTU syllabus 2018 scheme) at BIT from 2/5/2019 to 3/5/2019	2/2
Details on Examination related Activity (2marks each)	1. Practical Exams – 10 days (Project Viva & Extensive Survey at DSAT, JIT, CCE & YDIT from 28/5/19 to 15/6/19) 2. Conduction of Theory exams – 5 days (Internal DCS on 17, 18, 19, 28 & 29/6/19) 3. Paper Setting – one paper (Advanced Foundation Design, 15CV834) 4. Evaluation (BE, MTech & PhD)	8/8
List of FDPs attended during the Assessment year (5 marks each) (Attach Certificate copies)	1) BITES Annual convention "New Paradigms in Higher Education" at BMSCE (23 to 24 /11/2018)	10/10

	2) BITES "New Approach to the Revised Assessment and Accreditation of NAAC" at GAT on 4/1/2019	
Financial Assistance received during current year for attending FDPs	Rs.	--
Status of Ph.D. [Attach proof for each stage] (This can be claimed only once during a life time after the PhD is awarded) [Attach proof for every claim]	Awarded (July 2018)	10/10
Research Publications: (5 marks each) [Attach copies of Title Page]	1. Experimental Studies and Numerical Validation on Bearing Capacity of Skirted Footings on c-Φ Soils " accepted for publication in Springer Journal 2.	5/10
Seminars / Workshops / Conferences attended (5 Marks each) [Attach Certificate Copies]	3 workshops attended. (Details enclosed)	10/10
Financial Assistance received during current year	Rs.	--
Registered as Research Guide (Reasons for not registering)	No (requires minimum one year after award of PhD)	
No. of Research Scholars registered with details		0/5
Details of Patents Applied for (If any)		0/5
Academic Programs organized and supported during current year. (FDP/Workshop/Seminar / Conference)		/5
Details of programs attended for skill development like MOOCs, MOODLES and others		/5
Details of Utilization of NPTEL and other Online materials for augmenting own lectures.	Case studies were discussed regularly in the classroom with the help of videos and photographs	5/5
Details of Project Proposal	Design of Biodegradable Bottom Liner For	5/5

submitted during the current year. (At least one)	Municipal Solid Waste Landfills to be submitted DST	
Details of Project Funds Received.	Rs.	/5
Consultancy Revenue Generated	Rs.	/5
Details of Participation in cultural events during the current year	1) Member of disciplinary committee 2) Member of winning treasure hunt team	5/5
Additional Responsibilities in the Department/ College Example: Head, Coordinator etc.	1) NAAC Coordinator (Criterion 4) 2) Placement coordinator 3) Geotechnical Lab in-charge 4) Proctor	10
Details of Live Membership for Professional Bodies (IEEE CSI SEA ISTE .....)	1. Life member, Indian Institute of Engineers (A513685/8) 2. Life member, Indian Society for Technical Education (LM94770) 3. Life member, Indian Geotechnical Society (LM-1564)	5/5
Graduation Day Responsibilities. (If any) Please mention your role.	Participated/member in graduation ceremony parade and involved in disciplinary committee	5/5
TOTAL		135.5/190

Date: 18.7.2019

Signature of faculty

Professor & Head
Dept. of Civil Engineering
K.S. Group of Institutions
K.S. School of Engineering & Management
Bangalore-560 062.

Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Management
Bengaluru - 560 109

KAMMAVARI SANGHAM GROUP OF INSTITUTIONS

STAFF SELF APPRAISAL REPORT

2018-2019

KSIT/KSSEM

Field	Data	SCORE
Name	Dr. Vyshali	
Present Address, Mob.No., e-mail id.	#1557, 11th Cross, Kumaraswamy Layout, Bangalore. 8861638225 vyshali@kssem.edu.in	---
Age and Date of Birth	39, 9-8-1979	
Qualification	M.Sc, M.S, Ph.D	
Designation and Department	Associate Professor, Civil Engineering	
Teaching Experience (After PG)	10 Years 6 Months	
Other Experience(If any)		
List of Subjects Taught till date and percentage pass (use separate sheet if necessary)		
Subjects taught in the Assessment Year and percentage pass (10marks for each x Percentage)	1. Engineering Geology(17CV35)-94% 2. Remote Sensing &GIS (15CV561)-100% 3. Environmental Impact Assessment(10CV847)-100% 4. Water Resources Management(15CV661)-100%	39.4/40
Details of UG Projects Guided (5 marks/ project guided)	1. *Suitable Site selection for Solid waste disposal using Remote Sensing and GIS technique in Kanakapura Municipality, Karnataka* 2.	5/10
Details of PG Projects Guided (5 marks/ project guided)	1.Nil 2.	/10
Additional Inputs given in the class in addition to the syllabus (Give proof and justification) (If applicable)	Showing Models- For structural geology showing the different structural models like fold, fault, unconformities.	5/5

Guest / Invited Lectures arranged (2marks /lecture) Max 5 marks.		/5
Details of Industrial Visits arranged. (2marks/visit) Max 5 marks.	Arranged Field Visit to Nandi Hills for IV sem civil students to show the geological structure	2/5
Number of FDPs attended since joining service (Attach Separate List)	9	--
Details of students mentored during current assessment year.	27 students	--
Details of Participation in VTU Bodies (2 Marks)		/2
Details on Examination related Activity (2marks each)	1. Practical Exams- Yes 2. Conduction of Theory exams-Yes 3. Paper Setting- Yes 4. Evaluation-Yes	8/8
List of FDPs attended during the Assessment year (5 marks each) (Attach Certificate copies)	1) 2)	/10
Financial Assistance received during current year for attending FDPs	Rs.	--
Status of Ph.D. [Attach proof for each stage] (This can be claimed only once during a life time after the PhD is awarded) [Attach proof for every claim]	1. Awarded (2 marks) 2. Thesis Submitted and awaiting reports (1 mark) 3. Thesis Preparation (2 Mark) 4. Experimentation/Data Collection in completed (1 mark) 5. Comprehensive viva voce completed (1 mark) 6. Appeared for Course work exams (1 mark) 7. Applied for registration formalities (1 mark) 8. Identified Guide/Research Centre and preparing research Proposal (1mark.) 9. Not thought of pursuing Ph.D. (zero)	10/10

Research Publications: (5 marks each) [Attach copies of Title Page]	1. Parameter Estimation and Vulnerability Assessment of a Coastal Unconfined aquifer to Saltwater Intrusion-A Case Study", ASCE Journal of Hydrologic Engineering. Vol.17, No.8, Aug 2012, Pp.933-943. 2. Hydro-Geomorphology of Shambhavi and Pavanje River Basins using Remote Sensing and GIS", International Journal of Earth Sciences and Engineering, Vol.04, 03Spl, May 2011, Pp.54-62.	10/10
Seminars / Workshops / Conferences attended (5 Marks each) [Attach Certificate Copies]	1. Attended the workshop on "Primavera and QGIS for Software Applications Lab (15CVL67) " held at Dept. of Civil Engineering, RNS Institute of Technology, Bangalore on 16th and 17th March 2018. 2. Attended the 7th National conference on "Futuristic Technology in Civil Engineering for Sustainable Development, held at Dept. of Civil Engineering, SJBIT, Bangalore, 4th May 2019	10/10
Financial Assistance received during current year	Rs. 3,500	--
Registered as Research Guide (Reasons for not registering)	Yes	
No. of Research Scholars registered with details	1. Santha John USN: 1KG17PCS01	5/5
Details of Patents Applied for (If any)	NIL	/5
Academic Programs organized and supported during current year. (FDP/Workshop/Seminar / Conference)	NIL	/5
Details of programs attended for skill development like MOOCs, MOODLES and others	1. Pedagogy training Programme, Sona College of Technology , Salem, 11th October to 15th October 2010.	5/5

Details of Utilization of NPTEL and other Online materials for augmenting own lectures.	http://textofvideo.nptel.ac.in/105105106/lec10.pdf https://www.youtube.com/watch?v=IUJBsPNC3Vs https://www.youtube.com/watch?v=Hj3ihz_BFSo https://www.youtube.com/watch?v=HdEKSEbdDoY https://nptel.ac.in/courses/105108077/	5/5
Details of Project Proposal submitted during the current year. (At least one)	Suitable Site Selection for Solid Waste Disposal Using Remote Sensing and GIS Technique in Kanakapura Municipality, Karnataka submitted to KSCST	5/5
Details of Project Funds Received.	Rs. 3,500	5/5
Consultancy Revenue Generated	Rs.	/5
Details of Participation in cultural events during the current year	1) Cooking without fire 2) Treasure hunt 3) Conducted fashion show for students	5/5
Additional Responsibilities in the Department/ College Example: Head, Coordinator etc.	1) Web site Coordinator 2) Department Library In charge, 3) Alumni Coordinator, NAAC 5 Criteria Coordinator	10
Details of Live Membership for Professional Bodies (IEEE CSI SEA ISTE .....)	1) Indian Society of Geomatics (ISG) 2) Indian Society for Technical Education(ISTE)	5/5
Graduation Day Responsibilities. (If any) Please mention your role.	Disciplinary committee	5/5
TOTAL		139.4/190

Date: 20-7-2019

Signature of faculty

Professor & Head
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KAMMAVARI SANGHAM GROUP OF INSTITUTIONS

STAFF SELF APPRAISAL REPORT

2018-2019

KSIT/KSSEM

Field	Data	SCORE
Name	Veerendra Kumar M	
Present Address, Mob.No., e-mail id.	# 2, 3rd Main, 1st Cross, Sai Enclave, Behind Raghavendar Layout, Bannerghatta Road, Bangalore-560 076 Mob: + 91 9448848335 E-mail: veerendrakumar@kssem.edu.in	---
Age and Date of Birth	54 years, 16th May 1965.	
Qualification	M.E, Structural Engineering	
Designation and Department	Associate Professor, Civil Engineering Department	
Teaching Experience (After PG)	29 years 5 months	
Other Experience(If any)	--	
List of Subjects Taught till date and percentage pass (use separate sheet if necessary)	Separate sheet attached	
Subjects taught in the Assessment Year and percentage pass (10marks for each x Percentage)	1. Design of RCC and Steel Structures,(15CV72), 100% 2. Advanced RCC design, 93% 3. Design of Tall Structures (17CSE251), 87% 4. Design of concrete bridges (16CSE41), 94%	37.40/40
Details of UG Projects Guided 1. marks/ project guided)	1. Optimization of RC C Multi storied Buildings Subjected to Seismic-Forces by Considering Retaining Wall as Additional Supporting System. 2. Analysis and Design of Rail Cum Road Bridge.	10/10

Details of PG Projects Guided (5 marks/ project guided)	1. Behavior of Steel Fiber Reinforced Self Compacting Geopolymer Concrete Under Fracture.	5/10
Additional Inputs given in the class in addition to the syllabus (Give proof and justification) (If applicable)	In the subject design of steel structures, the practical aspect of fabrication of steel structures were shown from videos available in U-tube links.	5/5
Guest / Invited Lectures arranged (2marks /lecture) Max 5 marks.		/5
Details of Industrial Visits arranged. (2marks/visit) Max 5 marks.	Arranged extensive survey project camp at KAIWARA, exposing students to conduct advanced survey in natural terrain.	2/5
Number of FDPs attended since joining service (Attach Separate List)	12 (Separate sheet attached)	--
Details of students mentored during current assessment year.	Advice was given during their project selection in final year course.	--
Details of Participation in VTU Bodies (2 Marks)	Participated in the syllabus review meeting held at BIT, Bangalore.	2/2
Details on Examination related Activity (2marks each)	1. Practical Exams 2. Conduction of Theory exams 3. Paper Setting 4. Evaluation	8/8
List of FDPs attended during the Assessment year (5 marks each) (Attach Certificate copies)	1. Interoperability on structural & Architectural Elements using AECOSim. 2. Design and detailing of RC and Steel Structures	10/10
Financial Assistance received during current year for attending FDPs	Rs. ----------	--
Status of Ph.D. [Attach proof for each stage] (This can be claimed only once during a life time after the PhD is awarded) [Attach proof for every claim]	1. Awarded (2 marks) 2. Thesis Submitted and awaiting reports (1 mark) 3. Thesis Preparation (2 Mark) 4. Experimentation/Data Collection in completed (1 mark) 5. Comprehensive viva voce completed (1 mark)	5/10

	6. Appeared for Course work exams (1 mark) 7. Applied for registration formalities (1 mark) 8. Identified Guide/Research Centre and preparing research Proposal (1mark.) 9. Not thought of pursuing Ph.D. (zero)	
Research Publications: (5 marks each) [Attach copies of Title Page]	1. Comparative study of wet and dry blending of plastic modified bituminous mix used in pavements. 2. Studies on mix design of sustainable geo-polymer concrete.	10/10
Seminars / Workshops / Conferences attended (5 Marks each) [Attach Certificate Copies]	1. Structural Dynamic Studies Using Shake Table and Scaled Building Models. 2. Challenges in Geotechnical Engineering.	10/10
Financial Assistance received during current year	Rs. ----	--
Registered as Research Guide (Reasons for not registering)	Yes / No	No Still doing Ph.D
No. of Research Scholars registered with details		/5
Details of Patents Applied for (If any)		/5
Academic Programs organized and supported during current year. (FDP/Workshop/Seminar / Conference)		/5
Details of programs attended for skill development like MOOCs, MOODLES and others		/5
Details of Utilization of NPTEL and other Online materials for augmenting own lectures.	Utilizing some part of the NPTEL materials in design subjects.	5/5
Details of Project Proposal submitted during the current year. (At least one)		/5

Details of Project Funds Received.	Rs.	/5
Consultancy Revenue Generated	Rs. 10,000/- Consultancy revenue is generated by group of staffs in testing materials.	5/5
Details of Participation in cultural events during the current year	1. Photography. 2. Treasure hunt	5/5
Additional Responsibilities in the Department/ College Example: Head, Coordinator etc.	1. Taking care of Concrete and Highway Materials testing laboratory.	5/10
Details of Live Membership for Professional Bodies (IEEE CSI SEA ISTE .....)	1. ISTE- LM 14979 2. MIE- M122639-2	5/5
Graduation Day Responsibilities. (If any) Please mention your role.	Discipline comitte	5/5
TOTAL		134.40/190

Date: 22/07/2019

Signature of faculty

Professor & Head
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KAMMAVARI SANGHAM GROUP OF INSTITUTIONS

STAFF SELF APPRAISAL REPORT

2018-2019

KSIT/KSSEM

Field	Data	SCORE
Name	Savitha B G	
Present Address, Mob.No., e-mail id.	# 891, Champa Mansion,19th Main, 19th cross, BSK II Stage, Bangalore 560070 Ph: 9886623340 Email :	---
Age and Date of Birth	38 and 30/04/1981	
Qualification	Ph.D.	
Designation and Department	Assistant professor/ Civil Engineering	
Teaching Experience (After PG)	09 years	
Other Experience(If any)	Industry (4 years)	
List of Subjects Taught till date and percentage pass (use separate sheet if necessary)	Enclosed	
Subjects taught in the Assessment Year and percentage pass (10marks for each x Percentage)	1.Traffic Engineering, 97% 2.Urban Transport Planning ,100% 3. Estimation & Costing, 100% 4. Pavement Design, 100%	40/40
Details of UG Projects Guided (5 marks/ project guided)	1. Pedestrian management at KSIT junction 2.	5/10
Details of PG Projects Guided (5 marks/ project guided)	1. 2.	0/10
Additional Inputs given in the class in addition to the syllabus (Give proof and justification) (If applicable)	Making students do model and present from all the modules	5/5
Guest / Invited Lectures arranged (2marks	1.Lecture by Mr Nagaraj on valuation and costing for 8th semester students.	4/5

/lecture) Max 5 marks.	2. Arranged external viva voce presentation as a practice for extensive survey report	
Details of Industrial Visits arranged. (2marks/visit) Max 5 marks.		/5
Number of FDPs attended since joining service (Attach Separate List)	Certificates Enclosed	--
Details of students mentored during current assessment year.	20	--
Details of Participation in VTU Bodies (2 Marks)		0/2
Details on Examination related Activity (2marks each)	1. Practical Exams 2. Conduction of Theory exams 3. Paper Setting 4. Evaluation	8/8
List of FDPs attended during the Assessment year (5 marks each) (Attach Certificate copies)	1) 2)	5/10
Financial Assistance received during current year for attending FDPs	Rs. 0	--
Status of Ph.D. [Attach proof for each stage] (This can be claimed only once during a life time after the PhD is awarded) [Attach proof for every claim]	1. Awarded (2 marks) 2. Thesis Submitted and awaiting reports (1 mark) 3. Thesis Preparation (2 Mark) 4. Experimentation/Data Collection in completed (1 mark) 5. Comprehensive viva voce completed (1 mark) 6. Appeared for Course work exams (1 mark) 7. Applied for registration formalities (1 mark) 8. Identified Guide/Research Centre and preparing research Proposal (1mark.) 9. Not thought of pursuing Ph.D. (zero)	10/10
Research Publications: (5	Enclosed	

marks each) [Attach copies of Title Page]		10/10
Seminars / Workshops / Conferences attended (5 Marks each) [Attach Certificate Copies]	1. Application of EIA, RS and GIS in Environmental Engineering 2. RASTA – INFRA ROAD-TECH 2019	10/10
Financial Assistance received during current year	Rs. 0	--
Registered as Research Guide (Reasons for not registering)	Yes / No	No
No. of Research Scholars registered with details		0/5
Details of Patents Applied for (If any)		0/5
Academic Programs organized and supported during current year. (FDP/Workshop/Seminar / Conference)	1.Lecture by Mr Nagaraj on valuation and costing for 8th semester students. 2. Arranged external viva voce presentation as a practice for extensive survey report	4/5
Details of programs attended for skill development like MOOCs, MOODLES and others		5/5
Details of Utilization of NPTEL and other Online materials for augmenting own lectures.	www.youtube.com/watch?v=oKgWk-U4eMI www.youtube.com/watch?v=ox0mP_SrAFw www.youtube.com/watch?v=rJilgRRD9FY nptel.ac.in/courses/105101087/19 nptel.ac.in/courses/105101087/20 nptel.ac.in/courses/105101087/27 nptel.ac.in/courses/105101087/28 nptel.ac.in/courses/105101087/29	5/5
Details of Project Proposal submitted during the current year. (At least one)	Smart Parking project-Bangalore	5/5
Details of Project Funds Received.	Rs.	/5
Consultancy Revenue Generated	Rs. 0	/5

Details of Participation in cultural events during the current year	1) Cooking 2) Throwball 3) Shuttle badminton	5/5
Additional Responsibilities in the Department/ College Example: Head, Coordinator etc.	1) NAAC- criterion 2 coordinator 2) Pupil POD coordinator 3) Aarohana coordinator	10
Details of Live Membership for Professional Bodies (IEEE CSI SEA ISTE .....)	Indian Road Congress : 39128 Life member of Indian Society for Technical Education (ISTE) : LM94772.	5/5
Graduation Day Responsibilities. (If any) Please mention your role.	Coordination and providing the list of students and details required	5/5
TOTAL		141/190

Date: 22-07-19

Signature of faculty

Professor & Head
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KAMMAVARI SANGHAM GROUP OF INSTITUTIONS

STAFF SELF APPRAISAL REPORT

2018-2019

KSSEM

Field	Data	SCORE
Name	SUSHMA M	
Present Address, Mob.No., e-mail id.	#148, 17TH main, 6TH cross, S.Y.Nagar, Bangalore-10 Mob No: 9740775417 e-mail id: sush.mallikarjun@gmail.com	---
Age and Date of Birth	AGE: 27 DOB: 17-10-1991	
Qualification	B.E, M.Tech (Structural Engineering)	
Designation and Department	Assistant Professor, Dept. of Civil Engineering	
Teaching Experience (After PG)	4years	
Other Experience(If any)	-NIL-	
List of Subjects Taught till date and percentage pass (use separate sheet if necessary)	1. Matrix Method of Structural Analysis-100%	
	2. Computational Structural Mechanics-100%	
	3. Material Testing Lab -100%	
	4. Building, Planning & Drawing- 100%	
	5.Environmental Impact Assessment-100%	
	6. Design of RC Structures- 91.07%	
	7. Matrix Method of Structural Analysis-100%	
	8. Material Testing Lab -100%	
	9. Design & Drawing of RC Structures-100%	
	10. Elements of Civil Engineering & Mechanics- 84%	
	11. Matrix Method of Structural Analysis-100%	
	12. Elements of Civil Engineering & Mechanics	
	13. Material Testing Lab -100%	
	14. Analysis of Determinate Structures-	

	83.33%	
	15. Elements of Civil Engineering & Mechanics	
	16. Structural Engineering Lab-100%	
	17. Elements of Civil Engineering & Mechanics	
	18. Analysis of Indeterminate Structures-89%	
	19. Basic Material Testing Lab-100%	
	20. Analysis of Determinate Structures	
	21. Matrix Method of Structural Analysis	
	22. Fluid Mechanics and Machinery Lab	
Subjects taught in the Assessment Year and percentage pass (10marks for each x Percentage)	1.Analysis of Indeterminate Structures-89% 2. Elements of Civil Engineering & Mechanics- 65% 3. Analysis of Determinate Structures-83.33% 4. Elements of Civil Engineering & Mechanics- 84%	32.13/40
Details of UG Projects Guided (5 marks/ project guided)	1. Experimental Study on Coir Fiber Reinforced Concrete 2. Health monitoring of Richmond Circle Flyover using Non- Destructive Testing 3. Reduction in Embodied Energy and Carbon Footprint of Building by using Alternate Building Materials 4. Study on Seismic Behavior of Heritage Monument Gol-Gumbaz using E-tabs	10/10
Details of PG Projects Guided (5 marks/ project guided)	1. Study on Performance of High Rise Buildings for different Structural Systems for Lateral Loads 2. Effect on Soil-Structure Interaction on Seismic Analysis of RC Structure	10/10
Additional Inputs given in the class in addition to the syllabus (Give proof and justification) (If applicable)	Helping students bring in innovative ideas regarding paper presentation. Student under my guidance presented paper	5/5
Guest / Invited Lectures arranged (2marks /lecture) Max 5 marks.	-NIL-	/5
Details of Industrial Visits arranged. (2marks/visit) Max 5 marks.	-NIL-	/5
Number of FDPs attended since	5	--

joining service (Attach Separate List)		
Details of students mentored during current assessment year.	13	--
Details of Participation in VTU Bodies (2 Marks)	-NIL-	/2
Details on Examination related Activity (2marks each)	1. Practical Exams 2. Conduction of Theory exams 3. Evaluation	6/8
List of FDPs attended during the Assessment year (5 marks each) (Attach Certificate copies)	1. Computational Methods for Partial Differential Equations using Matlab 2. Research Proposal towards PhD Admission Programmes	10/10
Financial Assistance received during current year for attending FDPs	-NIL-	--
Status of Ph.D. [Attach proof for each stage] (This can be claimed only once during a life time after the PhD is awarded) [Attach proof for every claim]	1. Applied for registration formalities (1 mark) 2. Identified Guide/Research Centre and preparing research Proposal (1mark)	2/10
Research Publications: (5 marks each) [Attach copies of Title Page]	1. "Effect on Soil-Structure Interaction on Seismic Analysis of RC Structure" 2. "Experimental Study on Early-Aged Thermal Cracks and crack assessment due to internal restraint"	10/10
Seminars / Workshops / Conferences attended (5 Marks each) [Attach Certificate Copies]	1. Workshop on "Earthquake Resistant Design of Structures" 2. National workshop on "Research Advances in Geotechnical Earthquake Engineeering"	10/10
Financial Assistance received during current year	-NIL-	--
Registered as Research Guide (Reasons for not registering)	No	
No. of Research Scholars registered with details	-NIL-	/5
Details of Patents Applied for (If any)	-NIL-	/5
Academic Programs organized and supported during current year. (FDP/Workshop/Seminar /	-NIL-	/5

Conference)		
Details of programs attended for skill development like MOOCs, MOODLES and others	-NIL-	/5
Details of Utilization of NPTEL and other Online materials for augmenting own lectures.	Structural Analysis NPTEL online materials regarding: 1. Strain energy method 2. Moment area method	5/5
Details of Project Proposal submitted during the current year. (At least one)	-NIL-	/5
Details of Project Funds Received.	Reduction in Embodied Energy and Carbon Footprint of Building by using Alternate Building Materials- Rs 20,000	5/5
Consultancy Revenue Generated	-NIL-	/5
Details of Participation in cultural events during the current year	1) Participation in Aarohana	5/5
Additional Responsibilities in the Department/ College Example: Head, Coordinator etc.	1) Internal Test Coordinator 2) NAAC Criteria III coordinator from Civil Department 3) Proctor for 6th sem students	10
Details of Live Membership for Professional Bodies (IEEE CSI SEA ISTE .....)	-NIL-	/5
Graduation Day Responsibilities. (If any) Please mention your role.	Discipline committee	5/5
TOTAL		125.13/190

Date: 22/7/19

Signature of faculty

Professor & Head
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KAMMAVARI SANGHAM GROUP OF INSTITUTIONS

STAFF SELF APPRAISAL REPORT

2018-2019

KSSEM

Field	Data	SCORE
Name	NAVEENA MP	
Present Address, Mob.No., e-mail id.	B-9 BSNL QTS 80 FEET ROAD INDIRANAGAR BANALORE -560039 9071135404, mpsnaveena@gmail.com	---
Age and Date of Birth	12-08-1989	
Qualification	M.Tech	
Designation and Department	Asst. Professor	
Teaching Experience (After PG)	4 years	
Other Experience(If any)	2 Years Industry	
List of Subjects Taught till date and percentage pass (use separate sheet if necessary)		
Subjects taught in the Assessment Year and percentage pass (10marks for each x Percentage)	1. Design of RCC and Steel Structures 2. Elements of Civil Engineering 3. Water supply Engineering 4. Design of Steel structural Elements	36/40
Details of UG Projects Guided (5 marks/ project guided)	1. Analysis and Design of Hospital Building 2. Design and Modelling of Sewage Treatment Plant at KSSEM	10/10
Details of PG Projects Guided (5 marks/ project guided)	1. Analysis and Design of Chimney 2. Feasibility study on utilization of Geopolymer aggregate in PSC Sleepers.	10/10
Additional Inputs given in the class in addition to the syllabus (Give proof and justification) (If applicable)	--	/5
Guest / Invited Lectures arranged (2marks /lecture) Max 5 marks.	Invited for Guest Lectures at CBIT Kolar	5/5
Details of Industrial Visits arranged. (2marks/visit) Max 5 marks.	1.Industrial Visit to TK Halli Water Treatment Plant (Jan –Feb 2018) 2. SERC Chennai (Aug – Dec 2017)	4/5

Number of FDPs attended since joining service (Attach Separate List)		--
Details of students mentored during current assessment year.	12 students of 8 th sem	--
Details of Participation in VTU Bodies (2 Marks)	Nil	/2
Details on Examination related Activity (2marks each)	1. Practical Exams 2. Conduction of Theory exams 3. Paper Setting 4. Evaluation	6/8
List of FDPs attended during the Assessment year (5 marks each) (Attach Certificate copies)	Nil	/10
Financial Assistance received during current year for attending FDPs	Nil	--
Status of Ph.D. [Attach proof for each stage] (This can be claimed only once during a life time after the PhD is awarded) [Attach proof for every claim]	1. Awarded (2 marks) 2. Thesis Submitted and awaiting reports (1 mark) 3. Thesis Preparation (2 Mark) 4. Experimentation/Data Collection in completed (1 mark) 5. Comprehensive viva voce completed (1 mark) 6. Appeared for Course work exams (1 mark) 7. Applied for registration formalities (1 mark) 8. Identified Guide/Research Centre and preparing research Proposal (1mark.) 9. Not thought of pursuing Ph.D. (zero)	5/10
Research Publications: (5 marks each) [Attach copies of Title Page]	1. Study on Flexural Behavior of Reinforced concrete beam by Incorporating Cement bonded fly ash aggregate to Natural Aggregates 2. Investigation on Fly ash based Steel Fibre Reinforced Concrete	10/10

Seminars / Workshops / Conferences attended (5 Marks each) [Attach Certificate Copies]	1.Workshop Training On SEM and XRD by CIIRC 2.Confernace on Emerging Trends in science and Technologies For engineering system at SJCIT	10/10
Financial Assistance received during current year	Rs	--
Registered as Research Guide (Reasons for not registering)	No	
No. of Research Scholars registered with details	Nil	/5
Details of Patents Applied for (If any)		/5
Academic Programs organized and supported during current year. (FDP/Workshop/Seminar / Conference)	Nil	/5
Details of programs attended for skill development like MOOCs, MOODLES and others	Nil	/5
Details of Utilization of NPTEL and other Online materials for augmenting own lectures.	1. Notes on Concept of theory of Elasticity 2. Study material on Design of Pre stressed concrete	4/5
Details of Project Proposal submitted during the current year. (At least one)	Nil	/5
Details of Project Funds Received.	Rs.	/5
Consultancy Revenue Generated	Rs.	/5
Details of Participation in cultural events during the current year	Participated in Aarohana	2/5
Additional Responsibilities in the Department/ College Example: Head, Coordinator etc.	1) Project Coordinator 2) Test Coordinator 3) NAAC Criteria 1 Department coordinator	10

Details of Live Membership for Professional Bodies (IEEE CSI SEA ISTE .....)	Indian Concrete Institute	5/5
Graduation Day Responsibilities. (If any) Please mention your role.	Disciplinary committee member	5/5
TOTAL		122/190

Date: 19/07/19

Professor & Head
Dept. of Civil Engineering
K. S. Group of Institutions
K.S. School of Engineering & Management
Bangalore-560 062

Signature of faculty

Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Management
Bengaluru - 560 109

KAMMAVARI SANGHAM GROUP OF INSTITUTIONS

STAFF SELF APPRAISAL REPORT

2018-2019

KSSEM

Field	Data	SCORE
Name	PRASHANTH M	
Present Address, Mob.No., e-mail id.	No 2, 6th A cross, 23rd main, 2nd phase J P Nagar, Bengaluru 560078.	---
Age and Date of Birth	27yrs, 15-06-1992	
Qualification	B.E, M.Tech.	
Designation and Department	Assistant Professor, Dept of Civil Engineering	
Teaching Experience (After PG)	2yrs, 6months.	
Other Experience(If any)		
List of Subjects Taught till date and percentage pass (use separate sheet if necessary)	Separate sheet attached.	
Subjects taught in the Assessment Year and percentage pass (10marks for each x Percentage)	**1.** Repair and rehabilitation of structures. (15CVL753)-100% **2.** Strength of materials (17CV32)- 56% **3.** Computer aided detailing lab (15CVL78)-100% **4.**Design of high raise structures (10cse253)- **5.**Design of steel structures (15CV61)- **6.**Software application Lab (15CVL67)- **7.** Advanced design of steel structures -	**34.1/40**
Details of UG Projects Guided (5 marks/ project guided)	**1.** Experimental study on mechanical and electrical behavior of hardened piezoelectric concrete. **(KSCST APPROVED AND FUNDED)** **2.**Experimental investigation on mechanical and Durability properties of concrete by using pelletized cut rubber as alternative for coarse aggregates	**10/10**
Details of PG Projects Guided (5 marks/ project guided)	**1.** Effect of transverse slabs in high raise buildings under seismic conditions. **2.** Comparison of different retrofitting techniques for an industrial building under seismic conditions.	**10/10**
Additional Inputs given in the class in addition to the syllabus		**/5**

(Give proof and justification) (If applicable)		
Guest / Invited Lectures arranged (2marks /lecture) Max 5 marks.		/5
Details of Industrial Visits arranged. (2marks/visit) Max 5 marks.	1. Visit to Stabilized mud blocks industry. 2. Visit to construction site.	4/5
Number of FDPs attended since joining service (Attach Separate List)	Three.	--
Details of students mentored during current assessment year.	20	--
Details of Participation in VTU Bodies (2 Marks)		/2
Details on Examination related Activity (2marks each)	1. Practical Exams – Yes 2. Conduction of Theory exams - YES 3. Paper Setting 4. Evaluation – Yes	6/8
List of FDPs attended during the Assessment year (5 marks each) (Attach Certificate copies)	1) Half day FDP Learn 2 Learn at KSSEM.	5/10
Financial Assistance received during current year for attending FDPs	Rs.	--
Status of Ph.D. [Attach proof for each stage] (This can be claimed only once during a life time after the PhD is awarded) [Attach proof for every claim]	1. Awarded (2 marks) 2. Thesis Submitted and awaiting reports (1 mark) 3. Thesis Preparation (2 Mark) 4. Experimentation/Data Collection in completed (1 mark) 5. Comprehensive viva voce completed (1 mark) 6. Appeared for Course work exams (1 mark) 7. Applied for registration formalities (1 mark) 8. Identified Guide/Research Centre and preparing research Proposal (1mark.) 9. Not thought of pursuing Ph.D. (zero)	/10

Research Publications: (5 marks each) [Attach copies of Title Page]	1. Experimental study on the mechanical properties of concrete using glass fibers.	**5/10**
Seminars / Workshops / Conferences attended (5 Marks each) [Attach Certificate Copies]	National conference on recent advancements in civil engineering RACE 2K19.	**5/10**
Financial Assistance received during current year	**Rs.6,500. (KSCST)**	**--**
Registered as Research Guide (Reasons for not registering)	**No**	
No. of Research Scholars registered with details	-	**/5**
Details of Patents Applied for (If any)	-	**/5**
Academic Programs organized and supported during current year. (FDP/Workshop/Seminar / Conference)	-	**/5**
Details of programs attended for skill development like MOOCs, MOODLES and others	Attended workshop on MATLAB and applications organized in KSSEM	**5/5**
Details of Utilization of NPTEL and other Online materials for augmenting own lectures.	-	**/5**
Details of Project Proposal submitted during the current year. (At least one)	-	**/5**
Details of Project Funds Received.	**Rs.**	**/5**
Consultancy Revenue Generated	**Rs.1500.**	**5/5**
Details of Participation in cultural events during the current year	**1)** **2)** **3)**	**/5**
Additional Responsibilities in the Department/ College Example: Head, Coordinator etc.	**1)** In House LIC and NAAC Criterion 4 coordinator. **2)** Proctor for 20 students. **3)** Industrial visit coordinator..	**10**

	4) In house Internship coordinator..	
Details of Live Membership for Professional Bodies (IEEE CSI SEA ISTE .....)		**/5**
Graduation Day Responsibilities. (If any) Please mention your role.	1) Discipline committee coordinator.	**5/5**
TOTAL		**104.1/190**

Signature of faculty

Date: 22/7/2019.

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KAMMAVARI SANGHAM GROUP OF INSTITUTIONS

STAFF SELF APPRAISAL REPORT

2018-2019

KSSEM

Field	Data	SCORE
Name	MANJUNATH B	
Present Address, Mob.No., e-mail id.	No 21, OPP to SBI ATM, Venkataswamappa layout, AGs layout, Arehalli, Subramanyapura post, Bengaluru 560061.	---
Age and Date of Birth	27yrs, 12-08-1992	
Qualification	B.E, M.Tech.	
Designation and Department	Assistant Professor, Dept. of Civil Engineering	
Teaching Experience (After PG)	2yrs, 6months.	
Other Experience(If any)		
List of Subjects Taught till date and percentage pass (use separate sheet if necessary)	Separate sheet attached.	
Subjects taught in the Assessment Year and percentage pass (10marks for each x Percentage)	**1.** Building materials and construction (17CV36)-89% 2. Building materials and testing lab (17CVL37)-97% **3.** Design of RC structural elements (15CV51)-83% **4.** Computer aided detailing lab (15CVL78)-100% **5.** Concrete technology (17CV44)- **6.** Design of Masonry structures (17CSE424)- **7.** Software application Lab (15CVL78)-	**36.9/40**
Details of UG Projects Guided (5 marks/ project guided)	**1.** Experimental investigation on mechanical and Durability properties of concrete by using pelletized cut rubber as alternative for coarse aggregates. **2.** Experimental study on mechanical and electrical behavior of hardened piezoelectric concrete. **(KSCST APPROVED AND FUNDED)**	**10/10**
Details of PG Projects Guided (5 marks/ project guided)	**1.** Effect of transverse slabs in high raise buildings under seismic conditions. **2.** Comparison of different retrofitting	**10/10**

	techniques for an industrial building under seismic conditions.	
Additional Inputs given in the class in addition to the syllabus (Give proof and justification) (If applicable)		**0/5**
Guest / Invited Lectures arranged (2marks /lecture) Max 5 marks.	Dr. Subhamangala, Design of masonry structures.	**2/5**
Details of Industrial Visits arranged. (2marks/visit) Max 5 marks.	1. Visit to Stabilized mud blocks industry. 2. Visit to construction site.	**4/5**
Number of FDPs attended since joining service (Attach Separate List)	THREE	**--**
Details of students mentored during current assessment year.	**20**	**--**
Details of Participation in VTU Bodies (2 Marks)	Attended Pedagogy training in technical education conducted by VTU	**/2**
Details on Examination related Activity (2marks each)	**1. Practical Exams –** YES **2. Conduction of Theory exams -** YES **3. Paper Setting –** NO **4. Evaluation –** YES	**6/8**
List of FDPs attended during the Assessment year (5 marks each) (Attach Certificate copies)	1) Half a day FDP Learn 2 Learn at KSSEM.	**5/10**
Financial Assistance received during current year for attending FDPs	**Rs.**	**--**
Status of Ph.D. [Attach proof for each stage] (This can be claimed only once during a life time after the PhD is awarded) [Attach proof for every claim]	**1. Awarded (2 marks)** **2. Thesis Submitted and awaiting reports (1 mark)** **3. Thesis Preparation (2 Mark)** **4. Experimentation/Data Collection in completed (1 mark)** **5. Comprehensive viva voce completed (1 mark)** **6. Appeared for Course work exams (1 mark)** **7. Applied for registration formalities (1**	**0/10**

	mark) **8. Identified Guide/Research Centre and preparing research Proposal (1 mark.)** **9. Not thought of pursuing Ph.D. (zero)**	
Research Publications: (5 marks each) **[Attach copies of Title Page]**	1. Experimental studies on mechanical properties of Geo-polymer concrete. 2. Experimental study on the mechanical properties of concrete using glass fibers. 3. Experimental studies on the mechanical properties of concrete using coconut coir fibers. 4. Optimization of mix design of self-compacting concrete using MATLAB. 5. Load-Deflection behavior of Concrete-filled steel tube columns under axial loading.	**10/10**
Seminars / Workshops / Conferences attended (5 Marks each) [Attach Certificate Copies]	1. International Conference on "Advanced Technologies in Intelligent control, Environment, Computing & Communication Engineering" (ICATIECE-2019) 2. National conference on "Recent Advancements in Civil Engineering" (RACE 2K19) 3. One day workshop on "New Approach to the Revised Assessment & Accreditation of NAAC" (BITES)	**10/10**
Financial Assistance received during current year	**Rs.6500/- (KSCST)**	**--**
Registered as Research Guide (Reasons for not registering)	**No**	
No. of Research Scholars registered with details	-	**0/5**
Details of Patents Applied for (If any)	-	**0/5**
Academic Programs organized and supported during current year. **(FDP/Workshop/Seminar / Conference)**	-	**0/5**

Details of programs attended for skill development like MOOCs, MOODLES and others	Attended workshop on MATLAB and applications organized in KSSEM	/5
Details of Utilization of NPTEL and other Online materials for augmenting own lectures.	-	/5
Details of Project Proposal submitted during the current year. (At least one)	-	/5
Details of Project Funds Received.	Rs.	/5
Consultancy Revenue Generated	Rs.1500.	5/5
Details of Participation in cultural events during the current year	1) 2) 3)	/5
Additional Responsibilities in the Department/ College Example: Head, Coordinator etc.	1) NAAC Criterion 4 College coordinator 2) In House LIC and department NAAC Criterion coordinator. 3) Proctor for 20 students. 4) Industrial visit coordinator. 5) In house Internship coordinator. 6) Placement coordinator.	10/10
Details of Live Membership for Professional Bodies (IEEE CSI SEA ISTE .....)		/5
Graduation Day Responsibilities. (If any) Please mention your role.	1) Discipline committee coordinator.	5/5
TOTAL		113.9/190

Date: 22/7/2019.

Signature of faculty

Professor & Head
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Principal/Director
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KAMMAVARI SANGHAM GROUP OF INSTITUTIONS

STAFF SELF APPRAISAL REPORT

2018-2019

KSSEM

Field	Data	SCORE
Name	SASHA RAI P	
Present Address, Mob.No., e-mail id.	Perody Pearl FLAT NO. 105, Near Ayyappa temple, Vitaya Bank Layout, Billekahalli, B G Road, Bengaluru-560076 Mob.No. 9663436409 e-mail id - sash.prai@gmail.com	---
Age and Date of Birth	27 Years 26/03/1992	
Qualification	M-Tech	
Designation and Department	Assistant Professor Civil Engineering	
Teaching Experience (After PG)	2 years 6months	
Other Experience(If any)	Worked as Design Engineer at Roy & Shenoy Structural Design Consultants for 8 months	
List of Subjects Taught till date and percentage pass (use separate sheet if necessary)	1. Bridge Engineering 2. Computational Structural Mechanics 3. Building Planning and Drawing 4. Materials and Methods in Building Construction 5. Irrigation Engineering 6. Hydraulics and Hydraulic Machines	

Subjects taught in the Assessment Year and percentage pass (10marks for each x Percentage)	1. Masonry Structures - 10 2. Structural Dynamics - 9.3 3. Geotechnical Engineering Lab - 10 4. Stability of Structures 5. Elements of Civil Engineering and Mechanics 6. Fluid Mechanics and Hydraulic Machines Lab	29.3/40
Details of UG Projects Guided (5 marks/ project guided)	1. Study on Seismic Behavior of Heritage Monument - Gol-Gumbaz Using ETABS	5/10
Details of PG Projects Guided (5 marks/ project guided)	1. Experimental Study on Durability of Natural Fiber Reinforced Concrete 2. Experimental and Analytical Study on Impact Behaviour of Natural Fiber Reinforced Concrete	10/10
Additional Inputs given in the class in addition to the syllabus (Give proof and justification) (If applicable)	NIL	/5
Guest / Invited Lectures arranged (2marks /lecture) Max 5 marks.	NIL	/5
Details of Industrial Visits arranged. (2marks/visit) Max 5 marks.	NIL	/5
Number of FDPs attended since joining service (Attach Separate List)	NIL	--
Details of students mentored during current assessment year.	16 (6th sem students)	--
Details of Participation in VTU Bodies (2 Marks)	NIL	/2
Details on Examination related Activity (2marks each)	1. Practical Exams 2. Conduction of Theory exams	4/8

List of FDPs attended during the Assessment year (5 marks each) (Attach Certificate copies)	NIL	/10
Financial Assistance received during current year for attending FDPs	NIL	--
Status of Ph.D. [Attach proof for each stage] (This can be claimed only once during a life time after the PhD is awarded) [Attach proof for every claim]	2. Applied for registration formalities (1 mark) 1. Identified Guide/Research Centre and preparing research Proposal (1mark.)	2/10
Research Publications: (5 marks each) [Attach copies of Title Page]	NIL	/10
Seminars / Workshops / Conferences attended (5 Marks each) [Attach Certificate Copies]	NIL	/10
Financial Assistance received during current year	NIL	--
Registered as Research Guide (Reasons for not registering)	NO	
No. of Research Scholars registered with details	NA	/5
Details of Patents Applied for (If any)	NIL	/5
Academic Programs organized and supported during current year. (FDP/Workshop/Seminar / Conference)	NIL	/5
Details of programs attended for skill development like MOOCs, MOODLES and others	NIL	/5

Details of Utilization of NPTEL and other Online materials for augmenting own lectures.	http://www.digimat.in/nptel/courses/video/105106151/L01.html http://www.digimat.in/nptel/courses/video/105101006/L01.html http://www.digimat.in/nptel/courses/video/105101082/L01.html	5/5
Details of Project Proposal submitted during the current year. (At least one)	NIL	/5
Details of Project Funds Received.	NIL	/5
Consultancy Revenue Generated	NIL	/5
Details of Participation in cultural events during the current year	Participation in Arohana Events	5/5
Additional Responsibilities in the Department/ College Example: Head, Coordinator etc.	1) Test Co-ordinator 2) NAAC - Criteria 3 3) Proctor	10
Details of Live Membership for Professional Bodies (IEEE CSI SEA ISTE ....)	NIL	/5
Graduation Day Responsibilities. (If any) Please mention your role.	Disciplinary Committee	5/5
TOTAL		75.3/190

Date: 19/07/2019

Professor & Head
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Signature of faculty

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Principal/Director
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KAMMAVARI SANGHAM GROUP OF INSTITUTIONS

STAFF SELF APPRAISAL REPORT

2018-2019

KSSEM

Field	Data	SCORE
Name	SHASHI PRASAD N	
Present Address, Mob.No., e-mail id.	Door no 302, Sai Nilayam, 3rd Floor, Sri Krishna Residency, 14th Main, J P Nagar 7th phase, Bengaluru-560078 Mob. No: 9632081005 E-mail Id: shashiprasad700@gmail.com	
Age and Date of Birth	27 & 25-05-1991	
Qualification	M.Tech in Structural Engineering	
Designation and Department	Assistant Professor Department of Civil Engineering	
Teaching Experience (After PG)	1 Year	
Other Experience(If any)	NIL	---
List of Subjects Taught till date and percentage pass (use separate sheet if necessary)	In Diploma 1. Material of construction 2. Estimation and Costing 3. Hydraulics 4. Environmental Engg 5. Construction Management and Entrepreneurship 6. RCC 7. Building Drawing 8. Irrigation Drawing 9. Environmental and Hydraulics Lab 10. Survey Lab 11. Construction Practice	
Subjects taught in the Assessment Year and percentage pass (10marks for each x Percentage)	1. Municipal and Industrial Waste water Engg – 98% 2. Hydrology and Irrigation Engg -100% 3. Environmental Lab – 100% 4. Elements of Civil Engg and Mechanics 5. Advanced Surveying 6. Extensive Survey Project	29.8/40
Details of UG Projects Guided (5 marks/ project guided)	1. Analysis and Design of Multi storied Building Using E-Tabs 2.	5/10
Details of PG Projects Guided (5 marks/ project guided)	1. Nil 2.	/10

Additional Inputs given in the class in addition to the syllabus (Give proof and justification) (If applicable)	None	/5
Guest / Invited Lectures arranged (2marks /lecture) Max 5 marks.	None	/5
Details of Industrial Visits arranged. (2marks/visit) Max 5 marks.	None	/5
Number of FDPs attended since joining service (Attach Separate List)	None	--
Details of students mentored during current assessment year.	6th semester Students – 13 Students	--
Details of Participation in VTU Bodies (2 Marks)	None	/2
Details on Examination related Activity (2marks each)	1.Conduction of Theory exams	2/8
List of FDPs attended during the Assessment year (5 marks each) (Attach Certificate copies)	1) Nil 2)	/10
Financial Assistance received during current year for attending FDPs	Rs. Nil	--
Status of Ph.D. [Attach proof for each stage] (This can be claimed only once during a life time after the PhD is awarded) [Attach proof for every claim]	1. Awarded (2 marks) 2. Thesis Submitted and awaiting reports (1 mark) 3. Thesis Preparation (2 Mark) 4. Experimentation/Data Collection in completed (1 mark) 5. Comprehensive viva voce completed (1 mark) 6. Appeared for Course work exams (1 mark) 7. Applied for registration formalities (1 mark) 8. Identified Guide/Research Centre and preparing research Proposal (1mark.) 9. Not thought of pursuing Ph.D. (zero)	/10

Research Publications: (5 marks each) [Attach copies of Title Page]	1. Nil 2.	/10
Seminars / Workshops / Conferences attended (5 Marks each) [Attach Certificate Copies]	Nil	/10
Financial Assistance received during current year	Rs. Nil	--
Registered as Research Guide (Reasons for not registering)	Yes / No	No
No. of Research Scholars registered with details	Nil	/5
Details of Patents Applied for (If any)	Nil	/5
Academic Programs organized and supported during current year. (FDP/Workshop/Seminar / Conference)	Nil	/5
Details of programs attended for skill development like MOOCs, MOODLES and others	Nil	/5
Details of Utilization of NPTEL and other Online materials for augmenting own lectures.	Nil	/5
Details of Project Proposal submitted during the current year. (At least one)	Nil	/5
Details of Project Funds Received.	Rs. Nil	/5
Consultancy Revenue Generated	Rs. Nil	/5
Details of Participation in cultural events during the current year	1) Participation in Arohana	5/5
Additional Responsibilities in the Department/ College Example: Head, Coordinator etc.	1) Technical Seminar 2) NAAC Criteria - 1 3) Proctor	10
Details of Live Membership for Professional Bodies (IEEE CSI SEA ISTE .....)	Nil	/5

Graduation Day Responsibilities. (If any) Please mention your role.	Discipline Committee	5/5
TOTAL		56.8/190

Signature of faculty

Date: 19-07-2019

Professor & Head
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