

STAFF SELF APPRAISAL REPORT**2020-2021****KSSEM**

Field	Data	SCORE
Name	VINUTHA S.V.	
Present Address, Mob. No., e-mail id.	NO.8,SHRI LAKSHMI NILAYA,YELLAPPA STREET,MAVALLI,Bangalore-04 9481649771 vinutha.s.v@kssem.edu.in	---
Age and Date of Birth	23-07-1982	
Qualification	M. Sc, M.PHIL(Ph. D)	
Designation and Department	Assistant Professor, Dept. of Mathematics	
Teaching Experience (After PG)	16 years 2 months	
Other Experience(if any)		
List of Subjects Taught till date (use separate sheet if necessary)	<p>2020-21</p> <p>18MAT11-ME+CV-E 88%</p> <p>18MAT31 EE 42%</p> <p>18MAT31-ME 45%</p> <p>18MAT31-CV 48%</p> <p>18MAT21-CS-A</p> <p>18MAT31-EC A --- RA</p> <p>18MAT31-EC B</p> <p>2019-20</p> <p>18MAT11-ECE 77%</p> <p>18MAT11-CSE 83%</p> <p>18MAT31 69%</p> <p>ONLINE</p> <p>18MAT21- ME,ECE,CSE 100%</p> <p>18MAT41-EC A 100%</p>	

	<p>2018-19</p> <p>18MAT11 –CS 96%</p> <p>17MAT31-CS 95.34%</p> <p>18MAT21 73%</p> <p>17MAT41-EEE 100%</p> <p>2017-18</p> <p>15MAT11-CIVIL 84.44%</p> <p>15MAT11-CS 85%</p> <p>17MAT31- CIVIL 84 %</p> <p>17MAT31- MECH 74.47%</p> <p>15MAT21- EC 78%</p> <p>17MAT41-CS 96%</p> <p>2016-17</p> <p>15MAT11-EC 93%</p> <p>17MAT31-EEE 64%</p> <p>15MAT21- EC 58%</p> <p>17MAT41-CIVIL 77%</p>	
<p>*Subjects taught in the Assessment Year and percentage pass (10marks for each x Percentage) If Online please indicate.</p>	<p>2020-21</p> <p>18MAT11-ME+CV-E 88%</p> <p>18MAT31 EE 42%</p> <p>18MAT31-ME 45%</p> <p>18MAT31-CV 48%</p> <p>ONLINE CLASS</p> <p>18MAT21-CS-A</p> <p>18MAT31-EC A</p> <p>18MAT31-EC B</p>	26/40
<p>Details of UG Projects Guided (5 marks/ project guided) Online</p>	NA	-/10
<p>Details of PG Projects Guided (5 marks/ project guided)</p>	NA	-/10

Only for MBA		
Percentage of Online classes held (No. of classes taken/no. of classes allocated x 5)	100%	5/5
Student Feedback for Online classes. (Av.Percentage x 5 marks)	18MAT11-ME+CV-E 92.31% 18MAT31 EE 89.67% 18MAT31-ME 96% 18MAT31-CV 92.73% 18MAT21-CS-A 91.33% 18MAT31-EC A 93.49% 18MAT31-EC B 91.81%	5/5
Details of Industrial Visits arranged. (2marks/visit) Max 5 marks.	NOT APPLICABLE FOR CURRENT YEAR	
Number of FDPs attended since joining service (Attach Separate List)	23	--

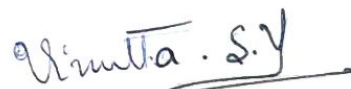
*Marks to be awarded on for subjects for which end exam was conducted

Details of students mentored during current assessment year.	1. Mentor for A sec Students 1KG20CS022 TO 1KG20CS042 2. . Mentor for A sec Students 1KG20CS015 TO 1KG20CS028	--
Details of Participation in VTU Bodies (2 Marks)	-	-/2
Details on Examination related Activity (2marks each)	1. Conduction of Theory exams 2. Evaluation	4/8
List of FDPs attended during the Assessment year (5 marks each) (Attach Certificate copies)	1) Five day National virtual FDP program on Graph Theory 2) Five day National virtual FDP program on ICT tools for online teaching 3) Teaching electromagnetics through Experiments. 4) 5) FDP on "Python Programming"	10/10
Financial Assistance received during current year for attending FDPs	NIL	--
Status of Ph.D. [Attach proof for each stage]	1. Thesis Preparation (2 Mark) 2. Experimentation/Data Collection in	

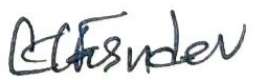
(This can be claimed only once during a life time after the PhD is awarded) [Attach proof for every claim] Ph.D. Completed – 10 marks.	completed (1 mark) 3. Comprehensive viva voce completed (1 mark) 4. Appeared for Course work exams (1 mark) 5. Applied for registration formalities (1 mark) 6. Identified Guide/Research Centre and preparing research Proposal (1mark.)	7/10
Research Publications: (5 marks each) [Attach copies of Title Page]	1 .Proceedings of the Jangjeon Mathematical Society 22 (2019), No. 3. pp. 427 – 436, http://dx.doi.org/10.17777/pjms2019.22.3.427	05/10
Seminars / Workshops / Conferences attended (5 Marks each) [Attach Certificate Copies]	1. Five days e-Workshop on LaTeX 2.The Thirty meter Tele scope:Opportunities in the frontiers of Science and Engineering 3.Effective and Efficient writing of Papers for the Web of Science .	10/10
Financial Assistance received during current year	NA	--
Registered as Research Guide (Reasons for not registering)	Yes / No	
Research Scholars registered with details	Yes / No If Yes, 5 marks	/5
Details of Patents Applied for (If any) One application 5 marks		/5
Academic Programs organized and supported during current year. (FDP/Workshop/Seminar / Conference)	1. Hobby Projects 2. Motivation talk on Engineering: Path Forward	5/5
Details of programs attended for skill development like MOOCs, MOODLES, COURSERA, NPTEL and others	1.COURSERA- MATRIX ALGEBRA in engineering. 2.Participated in Knimbus online training on "Effective utilization of VTU SUBSCRIBED e-resources anytime, any device using KSSEM digital library powered by Knimbus held on 23 August 2021.	5/5
Details of Utilization of NPTEL and other Online materials for augmenting own lectures.	Registered and used the nptel materials to teach. Used videos and study materials for the	5/5

	concepts like probability, Sampling, laplace transforms, Fourier series.	
Details of Project Proposal submitted during the current year. (At least one)	-	/5
Details of Project Funds Received.	-	/5
Consultancy Revenue Generated	-	/5
Details of Participation in cultural events during the current year	NOT APPLICABLE FOR CURRENT YEAR	
Additional Responsibilities in the Department/ College Example: Head, Coordinator etc.	1)RESEARCH COODINATOR 2)CRITARIA-1 COORDINATOR 3) Academic Committee co-ordinater	10
Details of Live Membership for Professional Bodies (IEEE CSI SEA ISTE	ISTE-LM67723 ASR-R219093218	5/5
COVID TASK FORCE Responsibilities. (If any) Please mention your role.	CO- ORDINATED IN 1 ST YEAR STUDENTS COVID VACCINATION ORGANIZED BY THE COLLEGE.	5/5
Contribution towards Branding, Admissions, etc	TELE CALLING REGARDING BRANDING AND ADMISSIONS	10/10
TOTAL		117/160

Date: 16/9/2021


Signature of faculty


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


Dr. C. VASUDEV
Professor & Head
Department of Basic Science
KS School of Engineering and Management
Bengaluru - 560 109

FDP ATTENDED DETAILS

	S.NO	Faculty Name	Title of Workshop or Seminar Attended	College/ Place	Date
2021	1	VINUTHA S.V	1) Five day National virtual FDP program on Graph Theory	Christ College, Bengaluru	29-06-2021 3-07-2021
	2		2) Five day National virtual FDP program on ICT tools for online teaching	Government College For Women, Chintamani, Chikballapur District	29-06-2021 3-07-2021
	3		3) Teaching electromagnetics through Experiments	CMRIT, Kundalahalli, Bengaluru	24-07-2021
	4		4) FDP on "Python Programming"	Bengaluru North University, Chintamani	19-7-2021 24-07-2021
	5		5) Five day e-Workshop on LaTeX	GITAM,BENGALURU	05-7-2021 09-07-2021
	6				
2020	1	VINUTHA S.V	7-days FDP ON "Mathematical Modelling in Multidisciplinary Domain"	Bannari Amman Institute of Technology	1/6/2020 To 7/6/2020
	2.	VINUTHA S.V	5 days FDP on "ICT Based Teaching and Learning Process"	Roorkee College Of Polytechnic,Roorkee	1/7/2020 To 5/7/2020
	3.	VINUTHA S.V	FDP on "Role of Mathematics in Academic Research and Technology"	Vemana Institute of Technology,Bengaluru-34	13/7/2020 To 17/7/2020
	4	VINUTHA S.V	5 days FDP on "Finite Analysis Practice and MATLAB"	Tontadarya College of Engineering, Mundaragi Road,Gadag	13/7/2020 To 17/7/2020

	5.	VINUTHA S.V	Six day FDP on "Applications of Mathematics in Engineering"	KPR institute of Engineering and Technology	20/7/2020 To 25/7/2020
	6.	VINUTHA S.V	3 days FDP on "How to crack CSIR-NET & SET in Mathematics", .Coimbatore	Dr. NGP institute of Technology	24/6/2020 To 26/6/2020
2019	1	VINUTHA S.V	ONE DAY WORKSHOP ON "ALGEBRA &DIFFERENTIAL EQUATIONS"	JINDAL COLLEGE FOR WOMEN	5/2/2020
	2	VINUTHA S.V	TWO DAY NATIONAL CONFERENCE ON "CURRENT TRENDS IN MATHEMATICS"	JSS COLLEGE OF ARTS,COMMERCE AND SCIENCE	21-22 FEBRUAR Y 2019
	3	VINUTHA S.V	ADMA Annual Pre- Conference Workshop on Graph Theory and Python	CHRIST(Deemed to be University),Bengaluru	9-12 MAY 2019
	4	VINUTHA S.V	Faculty development program on"MATLAB AND LATEX"	K.S. INSTITUTE OF TECHNOLOGY	24-26 JULY 2019
	1	Vinutha S .V	New model curriculum for first year BE CBCS Detailed syllabus 2018-18 as per outcome based	BIT, Bengaluru	7 MAY.2018

2018	2	VINUTHA S.V	IX National Conference on "Emerging trends in Graph Theory"	CHRIST(Deemed to be University),Bengaluru	9-12 MAY 2019
2017	1	Vinutha S.V.	VIII National Conference on "Emerging trends in Graph Theory"	CHRIST(Deemed to be University),Bengaluru	3-4 March 2017
	2.	Vinutha S.V	Two days Faculty development program on LATEX"	AMC Engineering College, Bangalore	2/8/2017 to 3/8/2017
2016	1.	Vinutha S.V	Two days FDP on "Research and Proposal Preparation towards Ph.D. Admission Programs"	K.S. School of Engineering & Management, Bangalore	24/6/2016 To 25/6/2016
	2.	Vinutha S.V	5 days FDP on "Animation and Coreldraw"	K.S. School of Engineering & Management, Bangalore	11/7/2016 To 15/7/2016
2015	1	Vinutha S.V	FDP on "Training and trainer workshop on Intellectual Property Rights Significance for Academia"	K.S. School of Engineering & Management, Bangalore	31/7/2020
	2	Vinutha S.V	FDP on "Outcome Based Education & Bloom's Taxonomy"	K.S. School of Engineering & Management, Bangalore	4/10/2015 To 5/10/2015

1-EDGE BALANCE INDEX SETS OF $C_n \times P_3$ AND $K_{n,n}$

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Abstract

Let G be a graph with vertex set V , edge set E and $Z_2 = \{0, 1\}$. Let f be a labeling from E to Z_2 , so that the labels of the edges are 0 or 1. The edges labelled 1 are called 1-edges and edges labelled 0 are called 0-edges. The edge labeling f induces a vertex labeling $f^* : V \rightarrow Z_2$ defined by

$$f^*(v) = \begin{cases} 1 & \text{if the number of 1-edges incident on } v \text{ is odd,} \\ 0 & \text{if the number of 1-edges incident on } v \text{ is even.} \end{cases}$$

For $i \in Z_2$ let $e_f(i) = e(i) = \text{card}\{e \in E : f(e) = i\}$ and $v_f(i) = v(i) = \text{card}\{v \in V : f^*(v) = i\}$. A labeling f is said to be edge-friendly if $|e(0) - e(1)| \leq 1$. The 1- edge balance index set (OEBI) of a graph G is defined by $\{|v_f(0) - v_f(1)| : \text{the edge labeling } f \text{ is edge-friendly}\}$. The main purpose of this paper is to completely determine the 1-edge balance index sets of $C_n \times P_3, K_{n,n}$.

2010 AMS Subject Classification:05C78

Keywords: Edge labeling, Edge-friendly, 1-edge balance index set.



CHRIST COLLEGE

OF SCIENCE AND MANAGEMENT

(Affiliated to Bengaluru North University, Recognized by Govt. of Karnataka)
Hosur Malur Main Road, Alambady, Malur, Karnataka 563160

CERTIFICATE OF PARTICIPATION

This is to Certify that

MRS.VINUTHA S.V

Of

K.S.SCHOOL OF ENGINEERING AND MANAGEMENT

has participated in *Five Days "National Level Virtual Faculty Development Program
On Graph Theory"* held from 29th June 2021 to 03rd July 2021 .
Organised by Department Of Science in Collaboration with IQAC.

Ms. Jicksy Joy
Coordinator

Ms. Keerthi R
Coordinator

Mr. Vijayakumar K
HOD

Rev.Fr. Jince George CMI
PRINCIPAL



CMR Institute of Technology

(Accredited by National Assessment & Accreditation Council (NAAC) with A+ Grade)
132, AECS Layout, ITPL Main Road, Kundalahalli, Bengaluru -37

Certificate of Participation

This is to certify that

Mrs. VINUTHA S.V.

K.S.SCHOOL OF ENGINEERING AND MANAGEMENT

has attended Faculty development program (FDP) on "Teaching Electromagnetics through Experiments" organized by Physics department on 24th July 2021.

Dr. Raveesha K H
Head, Physics Department

Dr. Sanjay Jain
Principal



KSSEM
K.S. SCHOOL OF ENGINEERING AND MANAGEMENT



IEEE
BANGALORE SECTION


K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
No.15, Mallasandra, off Kanakapura Road, Bangalore-560109

Certificate of Participation


is hereby presented to

VINUTHA S V

In appreciation for participation in the Webinar on
“The Thirty-Meter Telescope : Opportunities in the frontiers of
Science and Engineering” organized by IEEE KSSEM Student Branch in
association with IEEE Bangalore Section on 24th April, 2021.



Dr. Girish V Attimarad
Branch Chair, HOD Electronics and
Communication



Dr. K. Rama Narasimha
Principal/Director

Confirmation for ASR Membership

This is to certify

Vinutha S.V.

K.S.School of Engineering and Management

has joined as a member of The Asia Society of
Researchers (ASR) successfully. ASR Member Number:
R219093218.



ASR

Asia Society of Researchers



Visvesvaraya Technological University

"Jnana Sringama", Belagavi - 590 018, Karnataka state.

Dr. K. E. Prakash, **REGISTRAR**
Registrar

Phone: (0831) 9403168
Fax : (0831) 9403107

Ref: VTU/Res/2013-2014/47/PHD-12374

Date: 18 MAR 2015

OFFICE ORDER

Sub: Registration of Ph.D. M.Sc (Engg) by Research from May 2015
Ref: Your application for the Ph.D. M.Sc (Engg) by Research.

By the recommendation of the Admission Committee, you are hereby provisionally permitted to register for pursuing research work with the following details:

1. Name: **Yinutha S V**
2. Programme: **Ph.D.**
3. Full time, Part time: **Part Time**
4. Research Centre: **Mathematics**
5. College/Institute: **AIT, Chikmagalur**
6. Supervisor: **Dr. Shrikanth A S**
7. Co-Supervisor: **-**
8. Research Topic: **"The Cordial Graph Labeling and Coloring and Covering Energy of a Graph"**


9. Approved Course work

Sl.No	Group	Course work
1.	14PHDRM-	Research Methodology
2.	14PHDMA002	Advanced Numerical Methods
3.	14PHDMA004	Complex Analysis
4.	14PHDMA005	Advanced Graph Theory
5.	14PHDMA006	Probability And Stochastic Process
6.	14PHDMA007	Operation Research

This permission for registration is subject to fulfilling the following conditions

1. Letter of acceptance for the Provisional admission, duly forwarded by the Guide/ Co-guide and Head of Research Centre on or before 30th March 2015.
2. An undertaking to abide by the rules and regulations of the University.
3. DD of ₹4000/- drawn in favour of the Finance Officer VTU, Belagavi of towards requisite registration fee.

Note: This Provisional Registration is subject to fulfilling the conditions specified in the Clause PHD15.9 of the Regulations (Amended) Governing the Degree of Doctor of Philosophy (Ph.D. 2015)


Registrar

To,
The Candidate
Copy to: 1. The Research Centre/VTURSC
2. The Supervisor/Co-Supervisor



Visvesvaraya Technological University

Jnana Sangama, Belagavi- 590 018

Dr. H. N. Jagannatha Reddy
I/C Registrar (Evaluation)

Phone: (0831)249 8136
Fax (0831)240 5461

Ref.No/VTU/Exam/2016-17/ 107.8

Date: 19 DEC 2016

COURSE WORK COMPLETION CERTIFICATE

The candidate Ms. Vinutha S. V. . . . bearing U.S.No. 4A115PGJ04 has completed six course work subjects as a prerequisite for the Ph.D Programme.

Sl.No	Subject Code	Subject Title	Grade
1	14PHDMA005	Advanced Graph Theory	C
2	14PHDMA002	Advanced Numerical Methods	B
3	14PHDMA004	Complex analysis	A
4	14PHDMA007	Operation Research	C
5	14PHDMA006	Probability and stochastic process	A
6	14PHDRM	Research Methodology	C

[Handwritten Signature]
17/12/16
REGISTRAR (EVALUATION)

Abbreviations for 2012 batch onwards : Grading System -S(Out Standing)-90-100 Marks,
A(Excellent)- 75-89 Marks, B(Good)- 60-74 Marks, C(Satisfactory)- 50-59 Marks, Below 50 marks F(Fail)

Abbreviations for Candidate admitted before 2012 batch : Grading System -A- 76-100 Marks,
B- 61-75 Marks, C- 50-60 Marks, Below 50 marks Not Eligible



Visvesvaraya Technological University

Jnana Sangama, Belagavi - 590 018 , Karnataka State, INDIA

Prof. Satish Annigeri

Registrar (Evaluation)

Phone: (0831)2498136

Fax (0831)2405461

Ref.No/VTU/Exam/2017-18/ 2186

Date: 14 NOV 2017

Office Note

Sub : COMPREHENSIVE VIVA-VOCE Examination Result - reg.

The result of the COMPREHENSIVE VIVA-VOCE Examination is as below:

S.No.	Name	Research Centre	Result
1	Vinutha S. V. 4AI15PGJ04	Adichunchanagiri Institute of Technology , Chikmagalur	Eligible

With this registration of the candidate is confirmed and the suggestion of the examiner made during the comprehensive viva-voce are enclosed here with.


Registrar (Evaluation)

Copy to

- 1) Mr/Mrs. Vinutha S. V, Research Scholar, Dept. of Mathematics, Adichunchanagiri Institute of Technology ,Chikmagalur.
- 2) The Principal , Adichunchanagiri Institute of Technology ,Chikmagalur.
- 3) Dr. Shrikanth A. S. Assistant professor, Dept of mathematics, AIT, Chickmangalore.