

## Résumé

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DoB: 10<sup>th</sup> Jan, 1979

#### **Objective:**

I am looking for a position in your esteemed University that would sure my intellect, my experience, and provide me an opportunity to redefine the rules of Pedagogy and Academia. I would also like to continue my work towards realizing the technological platforms for personalized education and elevating the traditional institutions as enablers of personalized learning. It is my utmost priority to seed the fertile brains with the knowledge unambiguously, efficiently and motivate them to opt for a joyful career and successful life.

#### **Work Experience:**

During my post-graduation (2002-2004), My love for teaching and ability to communicate complicated things more naturally and understandably was appreciated by Prof. Dr. V. Ramaswamy, and he provided teaching opportunities in his department at BIET, Davangere.

In the continuous pursuit of my goals, I am currently teaching in Dept. of CSE, SDMCET ([www.sdmcet.ac.in](http://www.sdmcet.ac.in)), Dharwad **since August 27, 2004**. I am indeed encouraged by the fraternity of academicians who have respected my ideologies, appreciated my enthusiasm and my academic practices.

**I am also Deputy Controller of Examinations since Sept, 2019. I lead the team to conduct a successful proctor based examination during the pandemic and also established the studios for the online class room sessions.**

#### **Strengths:**

- ☐ I am aware of my weakness and learning/ practicing to overcome them.
- ☐ Mass communication and instructing skills.
- ☐ Learnability and Systematic work culture.

#### **Weaknesses:**

- ☐ Rarely get demotivated by pessimists and slow learners.
- ☐ Rarely go low in self-confidence as I dream big and set high goals for myself.
- ☐ More sensitive to rules.

#### **Education:**

I obtained my Bachelor of Engineering (BE) in Instrumentation Technology and Master of Technology in CSE from BIET, Davanagere in 2000 and 2004 respectively. Joined my **Ph.D.** at IIT Delhi in July 2010 in the area of Programming Languages, completed two courses in a semester, and discontinued because of personal reasons. I completed my **Ph.D. in the**

**Faculty of Engineering at Visvesvaraya Technological University, Belgaum** in the area of Personalized Learning Systems in May 2019. I am a Senior Professional member of ACM (1727259) since 2013.

Qualification	Institutes/Universities	Year of Passing
<b>Ph.D.</b>	Visvesvaraya Technological University, Belagavi Karnataka	<b>May 2019</b>
<b>M.Tech</b> (CS & E)	B.I.E.T. Davangere, Karnataka. Visvesvaraya Technological University, Belagavi Karnataka	2004
<b>B.E.</b> (Inst.Tech.)	B.I.E.T. Davangere, Karnataka, Kuvempu University, Shimoga, Karnataka.	2000
<b>PUC (10+2)</b>	Sacred Heart Pre-University College, Shivamogga, Karnataka.	1996
<b>S.S.L.C</b>	Govt. Pre-University college, Shiralkoppa, Shivamogga, Karnataka.	1994

#### **Area of Interest:**

- ☐ Personalized Learning System.
- ☐ Human-Computer Interface.
- ☐ Automated Software Engineering,
- ☐ Engineering Education and Academic Administration

#### **Details of Paper Published/ Presented/Funded Projects/IPRs:**

1. Filled an Indian Complete Patent Specification, **Patent Application No:** 202041034630; Provisional, Filing date:12/08/2020, **Title:** "A LEARNING AND MENTORING SYSTEM AND METHOD THEREOF" **Applicant:** a) SHRI DHARMASTHALA MANJUNATHESHWARA COLLEGE OF ENGINEERING AND TECHNOLOGY, b) VISVESVARAYA TECHNOLOGICAL UNIVERSITY
2. **Funded Project:** "Personalised & Collaborative Learning Environment for Readable Learning Resources" Funding Agency : Competitive Research Grant, Rs 2 Lakhs, Visvesvaraya Technological University, Belagavi. 2019-2020.
3. Shivanagowda, G.M., Goudar, R.H. and Kulkarni, U.P. 'Open-Assessment Methodology Based Decision Support System in Blended Learning Environments', **Int. J. Knowledge and Learning, Inderscience Publications.** 2020 Vol. 13 No.2. Page 81-97. DOI: 10.1504/IJKL.2020.106646
4. Shivanagowda, G.M., Goudar, R.H. and Kulkarni, U.P. 'Question selection algorithm for dynamic question requirements in different learning environments from an unstructured repository', **Int. J. Computational Complexity and Intelligent Algorithms, Inderscience Publications.** 2020 Vol. 1 No.3. Page 259-276. DOI: 10.1504/IJCCIA.2020.105572
5. Shivanagowda G M, R H, Goudar, U P Kulkarni. 'CRETAL: A Personalized Learning Environment in Conventional Setup'. In **Proceedings of 10th Annual ACM COMPUTE Conference, India ACM**, 2017 Pages 143-148. <https://doi/3140107.3140130>
6. Shivanagowda G.M., Goudar R.H., Kulkarni U.P. (2015) Analysis of New Data Sources in Modern Teaching and Learning Processes in the Perspective of Personalized Recommendation. In: Jain L., Behera H., Mandal J., Mohapatra D. (eds) Computational Intelligence in Data Mining - Volume 1. **Smart Innovation, Systems and Technologies**, vol

- 31. Springer**, New Delhi. Pages 529-539. DOI: [https://doi.org/10.1007/978-81-322-2205-7\\_49](https://doi.org/10.1007/978-81-322-2205-7_49)
7. Shivanagowda G.M., Goudar R.H., Kulkarni U.P. (2015) Open-Assessment Method for Better Understanding of Student's Learnability to Create Personalised Recommendations. In: Natarajan R. (eds) **Proceedings of the International Conference on Transformations in Engineering Education. Springer**, New Delhi Pages: 585-585. DOI: [https://doi.org/10.1007/978-81-322-1931-6\\_78](https://doi.org/10.1007/978-81-322-1931-6_78).
  8. Shivanagowda, G.M.(2008), "Extension To The Basic Data Type For Better Data Representation," at International Conference SETP'08. **Conference held in Orlando, Florida, USA. (Sponsored by Infosys).**
  9. Shivanagowda, G.M.(2007), 'ANY' A Relational Operator To Enhance The Expressivity of Programming Languages at **International Conference SETP'07, held in Orlando, Florida, USA. (Sponsored By TEQIP 1.0)**

### **Details of My Experiments With Teaching and Learning Process**

By 2022, I have taught 44 courses in 34 Semesters (Both UG and PG); 26 courses among them are distinct; Below are the gist of experiments that I did with the batches that I taught.

SI No	Experiments	Description
1	Open Assessment Methodology (OAM) - Alternative ways to express Academic Achievements	The OAM gives liberty to teachers and students regarding the number of assignments, the medium of expression, and duration of the assessments. By Liberalization in the assessment style activities like discussions with the teacher during and offline the contact hours for defending assignments, extending knowledge, videos watched, notes read, questions raised and answered in discussion boards and so on leading to the learning/attainments is rewarded with points. The bottom line is that, let students choose any medium of expression, the teacher should develop interrogative questionnaires/skills to assess their competency and keep the spirit of academics high. Taking advantage of the Autonomy and the outcome-based education; I have allowed the students to express their CO (Courses Outcome) achievement in alternative ways like movie making, painting, cartoons, different kinds of modeling, Oral defense, etc. other than writing (routine exam) or combination with other ways.
2	Class Activity Sheets (CAS)	CAS is an App using Google Spread Sheets, Docs, YouTube with Google moderating scripts. App manages the repository of the data generated during OAM practice, description of a teaching session with pinpointed references, reference links,

		participative consultation, assignments efforts, etc. The app makes use of algorithms to predict and trace the student's activity.
3	Bringing Industry standards to the Academic Projects	Balancing the different types of students in the academia, stereotype projects-works were given an end by adopting the innovating the project guidelines, which increased the diversity among the student's groups, guides, and industry people also started participating.
4	CAMP model Question paper	Question papers that I design for tests/exams are CAMP-based (C – concept, A – analysis, M – memory P – practice). The CAMP model is a way to achieve most of Bloom's Taxonomy. My "Questioning System" concept proposal to the institution to separate the teaching and examining roles make traditional examination less stressful in designing innovative questions now and then.
5	Recording Lecturer Sessions	Recently I recorded my lecture sessions in 2009; I listen to them carefully, keep the good ones and re-record/improvise the poor ones. I put them on the local servers which offer some minimum interface to browse, note-making, question-raising, and sharing facility.

### **Details of Academic, Social, and Other Responsibilities Held**

<b>SL No</b>	<b>Roles/ Responsibilities</b>	<b>Description</b>
1.	Recognized and Acknowledged by Taskforce of ACM and IEEE Computer Society	Paradigms for Global Computing Education by ACM and IEEE Computer Society, The CC2020 Steering Committee and Task Force acknowledged my contributions and reviews for providing valuable input, assistance, and feedback on this project. I am one among least 540 people who contributed to the CC2020 Report and only 2 <sup>nd</sup> Indian to be acknowledged.
2.	Master Trainer Census 2021	Nominated and appointed as Master Trainer for Census 2021 of the Dharwad District by District Commissioner to train participants (Field Trainers) recognize how much they already know, to help them reinforce their knowledge through encouragement, to ensure that they understand the training materials, and to empower and motivate participants to be effective trainers themselves. Census 2021 is the digitized first time and there will be huge use of

		the gadgets and apps while collecting the data.
3.	Deputy Controller of Examination (Sept 2019- till the date)	Deal with the appointment of paper setters, Examiners, Moderators, senior supervisors, preparation and publication of the schedule of examinations, the conduct of examinations, to get the performance of the candidates at the examinations properly assessed and timely declaration of results and awarding degrees, diplomas, and certificates. For simplification, smooth, and easier functioning the work of Examination. I Lead the team to successful proctored online examination implementation and conduction during COVID-19 crisis.
4.	MIS Coordinator for Implementation of AdStock-onsite (Feb 2016 to March 2017 ).	Institution management software bought by the SDMCET from Ad Stock Ltd, Bangalore. I was in charge of the implementation/customization in Phase 2.
5.	Sports Advisor of the college (October 2013 to April 2015),	I Brought the practice of the direct payment methods from Principal to Sports Students, Tried increasing the Sportsmen attire and disciplines. Counseled the Sports team with the movie "Coach Carter" and soon. With the increased participation of SDMCET across the event, SDMCET received a monetary reward in the year 2015-16 from the VTU.
6.	Department Under-Graduate Committee Secretary (2011-2014)	Since 2007 SDMCET became Autonomous academically. I played the role of standardizing the syllabus of the CSE department as per ACM-IEEE 2013 (starting with 2008), a lot of key changes were brought in, and a lot of orientations programs were conducted for the peers to adapt to the new version of the curriculum. Many appreciated me for my farsightedness which becomes evident with recent AICTE/NEP curriculum guidelines.
7.	Placement Officer (2008-2010)	Close observations on industry expectation from Institute, Analysis of the SDMCET talent pool, and Conducting Diagnosis test for the final year students, providing individual students feedback and comparing the pools skills with National mean. Gave a presentation on "Diagnostic Academic House" as a way to improve the placements in SDMCET.
8.	Member for Syllabus designing committee for 1 <sup>st</sup> -year Autonomous	Played a key role in bringing the standard format to the syllabus. The ideas proposed towards the 1 <sup>st</sup> year laboratory for programming were appreciated by many academicians as well as Industry people.

	SDMCET and member of BoS for CSE (2007)	
9.	SPoC for Campus Connect Program. Managing MoU with the Infosys. (2005-2008)	SPoC stands for "Single Point of Contact." Scheduling, conducting, preparing, and sending progress reports of the vocational training named "Foundation Program" for pre-final year students. Training offers nine different modules designed by Infosys. I lead a team of 5 peers to implement campus connects initiatives effectively. Because of our team's performance, SDMCET was chosen as a host college for Aspiration-2020.
10.	Founder and Coordinator for FOES (2004-2005)	FOES stands for "Forum of Eloquent Students." The forum engages itself in many activities like group discussions, mock interviews, and so on. The objective of the forum is to improve the communication skills of the pre-final year students of the department and prepare them for the campus interviews.
11.	Coordinator and resource person for the workshop "Modern Gadgets In Teaching" (2005)	The workshop was conducted on the occasion of the silver jubilee celebrations of SDMCET. The objective of the workshop was to lead teachers towards the path of revolutionary pedagogy techniques and to show the efficacy of the new techniques to enhance the level of learning to new heights. We repeated this workshop for K E Board teachers and DDPIs of the Belgaum region. The report generated about the workshop is one of my best documents.
12.	Volunteer Vidya Poushak (2006 till the date)	Vidya Poushak is an NGO, which helps poor and meritorious students to pursue their education by helping them financially. I am proud to be a volunteer of such a distinguished NGO.

### **Training & Workshop Attended:**

1. Seven days AICTE QIP Sponsored short term course on "CONTENT DELIVERY AND ASSESSMENT METHODS FOR CS/IT CURRICULUM" at TCE, Madurai in Feb 2019
2. Presented the project poster at IRISS 2018, organized by ACM India in Nagpur.
3. Five days short-term course on "**Intelligent Informatics**" at IIT Kanpur in June 2013.
4. Five days workshop on "**Modern Approach to Introduction to Engineering**" under IUCEE in Infosys, Mysore in June 2009.
5. Twelve days training titled "**Faculty Enablement Program**," conducted by Infosys at Bhubneshwar DC, under Campus Connect program in Feb 2005.
6. Five days of training titled "**Train The Trainers**," conducted by Infosys at Mysore DC, under

the Campus Connect program in April 2008.

I solemnly declare that the information in this resume is true to the best of my knowledge and belief