

GM UNIVERSITY, DAVANAGERE

FACULTY OF ENGINEERING AND TECHNOLOGY

School of Computer Science and Technology

B.Tech., CSE–DS



Board of Studies(BOS)

Minutes of Meeting For the Academic Year 2025-26



Srishyla Education Trust®

GM UNIVERSITY

(Established under the Karnataka State Act No.19 of 2023)

Post Box no-4, P. B Road, Davangere-577006

FACULTY OF ENGINEERING AND TECHNOLOGY

SCST- B.Tech., CSE-DS

D

ate: 24/07/2025

CONTENTS

SL NO	CONTENT	CHECK LIST
1	Director Intimation to conduct BoS Meeting	<input type="checkbox"/>
2	Request Letter to External BoS Members	<input type="checkbox"/>
3	Request Letter-Conference Hall	<input type="checkbox"/>
4	Request Letter-Remuneration	<input type="checkbox"/>
5	Program Documentation copy	<input type="checkbox"/>
6	Review of Scheme	<input type="checkbox"/>
7	Acknowledgement of Remuneration	<input type="checkbox"/>
8	Department Level Pre-BoS Minutes of Meeting	<input type="checkbox"/>
9	Photo Gallery of BoS Meeting	<input type="checkbox"/>



Dr Sanjay Pande M B Director - School of Computer Science & Technology - SCST
<dir.scst@gmu.ac.in>

GMU-SCST-BoS Meeting Invitation-24th July 2025

4 messages

Dr Sanjay Pande M B Director - School of Computer Science & Technology - SCST
<dir.scst@gmu.ac.in>

Tue, Jul 22, 2025 at
12:56 PM

To: veerappabn@gmit.ac.in, "Dr. B N Veerappa" <bnveerappa@gmail.com>, Shivanagowda G M <shivanagowda@gmu.ac.in>, Neelambike S <neelambikes@gmit.ac.in>, Asha K <ashak@gmit.ac.in>, shankars@gmit.ac.in, arunkumarbt@gmit.ac.in, Firoz Khan <firozk@gmit.ac.in>
Cc: VC GMU <vc@gmu.ac.in>, Pro VC GMU <pro-vc@gmu.ac.in>, Registrar GMU <registrar@gmu.ac.in>, "Ms. Anushree C K Personal Secretary - VC" <ps.vc@gmu.ac.in>, "Ms. Soumya K Personal Secretary - PVC" <ps.pvc@gmu.ac.in>

Good morning Sir,

We are hereby requesting you to be available for the BoS meeting to be held on 24th July 2025 at 9:30AM.

Expecting your reply in advance

Request letter is attached for your reference

Dr B N Veerappa.pdf
362K

Firon Khan <firozk@gmit.ac.in>

Tue, Jul 22, 2025 at 12:57 PM

To: Dr Sanjay Pande M B Director - School of Computer Science & Technology - SCST <dir.scst@gmu.ac.in>

Noted with thanks

Regards
Firoz khan
Program Coordinator
ISE/DS/IOT with AI
GM University, Davanagere

[Quoted text hidden]

CAUTION - DISCLAIMER: This e-mail message may contain confidential, proprietary or legally privileged information. Unauthorized use, copying or disclosure of any part is strictly prohibited. If you are not the intended recipient, please contact the sender immediately and delete it from your system. This email message, its content and attachments are from the individual concerned and not necessarily official communication from GMIT, No message or attachment is to be legally binding upon GMIT unless specifically indicated to that effect. Any comments or statements made herein do not necessarily reflect the views of GMIT or its sponsors and affiliates and GMIT accepts no responsibility for any opinions, statements and other information contained in this e-mail that do not relate to the business of GMIT. Although this message and any attachments are believed to be free of any virus or other defects that might affect any computer system, it is the responsibility of the recipient to ensure that it is virus free.

Dr. B N Veerappa <bnveerappa@gmail.com>

Tue, Jul 22, 2025 at 1:11 PM

To: Dr Sanjay Pande M B Director - School of Computer Science & Technology - SCST <dir.scst@gmu.ac.in>

Thank you sir for the information. I will attend the meeting.

With warm regards,
Dr. B N Veerappa

[Quoted text hidden]

Arun Kumar B T <arunkumarbt@gmit.ac.in>

Tue, Jul 22, 2025 at 2:26 PM

To: Dr Sanjay Pande M B Director - School of Computer Science & Technology - SCST <dir.scst@gmu.ac.in>



Dr Sanjay Pande M B Director - School of Computer Science & Technology - SCST
<dir.scst@gmu.ac.in>

GMU_SCST BoS Meeting Invitation 24th July 2025

3 messages

Dr Sanjay Pande M B Director - School of Computer Science & Technology - SCST

Tue, Jul 22, 2025 at

<dir.scst@gmu.ac.in>

12:58 PM

To: ks_shreedhara@yahoo.com, Shivanagowda G M <shivanagowda@gmu.ac.in>, Neelambike S <neelambikes@gmit.ac.in>, Asha K <ashak@gmit.ac.in>, Firoz Khan <firozk@gmit.ac.in>, arunkumarbt@gmit.ac.in, shankars@gmit.ac.in


Cc: VC GMU <vc@gmu.ac.in>, Pro VC GMU <pro-vc@gmu.ac.in>, Registrar GMU <registrar@gmu.ac.in>, "Ms. Anushree C K Personal Secretary - VC" <ps.vc@gmu.ac.in>, "Ms. Soumya K Personal Secretary - PVC" <ps.pvc@gmu.ac.in>

Good morning Sir,

We are hereby requesting you to be available for the BoS meeting to be held on 24th July 2025 at 9:30AM.

Expecting your reply in advance

Request letter is attached for your reference

 **Dr Shreedhara K S .pdf**
351K

Arun Kumar B T <arunkumarbt@gmit.ac.in>

Tue, Jul 22, 2025 at 1:49 PM

To: Dr Sanjay Pande M B Director - School of Computer Science & Technology - SCST <dir.scst@gmu.ac.in>

Good Afternoon Sir,

Yes Sir, I am attending the BoS meeting to be held on 24th July 2025 at 9:30AM.

Thank you....Sir, for your invitation.

With warm regards

Dr. ARUNA KUMAR B T

B.E.,M.Tech.,Ph.D

Assistant Professor,

Dept. of Computer Science & Engg.

G M Institute of Technology, P B Road,

Davangere-577006

Ph: +91 9945221208

mail: arunkumarbt@gmit.ac.in

[Quoted text hidden]

CAUTION - DISCLAIMER: This e-mail message may contain confidential, proprietary or legally privileged information. Unauthorized use, copying or disclosure of any part is strictly prohibited. If you are not the intended recipient, please contact the sender immediately and delete it from your system. This email message, its content and attachments are from the individual concerned and not necessarily official communication from GMIT. No message or attachment is to be legally binding upon GMIT unless specifically indicated to that effect. Any comments or statements made herein do not necessarily reflect the views of GMIT or its sponsors and affiliates and GMIT accepts no responsibility for any opinions, statements and other information contained in this e-mail that do not relate to the business of GMIT. Although this message and any attachments are believed to be free of any virus or other defects that might affect any computer system, it is the responsibility of the recipient to ensure that it is virus free.

Dr. Shreedhara K.S <ks_shreedhara@yahoo.com>

Tue, Jul 22, 2025 at 8:51 PM

Reply-To: "Dr. Shreedhara K.S" <ks_shreedhara@yahoo.com>

To: Shivanagowda G M <shivanagowda@gmu.ac.in>, Neelambike S <neelambikes@gmit.ac.in>, Asha K <ashak@gmit.ac.in>, Firoz Khan <firozk@gmit.ac.in>, "arunkumarbt@gmit.ac.in" <arunkumarbt@gmit.ac.in>, "shankars@gmit.ac.in" <shankars@gmit.ac.in>, Dr Sanjay Pande M B Director - School of Computer Science & Technology - SCST <dir.scst@gmu.ac.in>



GM UNIVERSITY

E-mail: info@gmu.ac.in, Website: www.gmu.ac.in

Dr. B N Veerappa

Former Professor
Department of Computer Science & Engineering,
University BDT College of Engineering
Davangere.

Dear Sir,

Subject: Request for Board of Studies Meeting

We are writing to request for Board of Studies meeting to discuss academic matters pertaining to GM University, Davangere. These matters are of significant importance and your suggestions and advice will lead us in the right direction. A meeting will allow us to assess the current situation, exchange ideas, and make informed decisions that will positively impact our GM University.

Agenda:

1. Scheme and Syllabus of B.Tech Information Science & Engineering UG Program

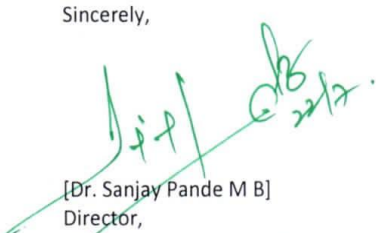
Venue: Senior Dean Chamber, Engineering Block, GM University Campus.

Date and Time: 24/07/2025 at 09.30am.

We look forward to a productive and insightful meeting that will contribute to the continued success of GM University, Davangere.

Thank you for your cooperation.

Sincerely,


[Dr. Sanjay Pande M B]
Director,
GM School of Advance studies &
School of Computer Science & Technology
Faculty of Engineering and Technology,
GM University, Davangere-577006.



GM UNIVERSITY

E-mail: info@gmu.ac.in. Website: www.gmu.ac.in

Dr. Shreedhara K S

Professor

Department of Computer Science & Engineering,
University BDT College of Engineering
Davanagere.

Dear Sir,

Subject: Request for Board of Studies Meeting

We are writing to request for Board of Studies meeting to discuss academic matters pertaining to GM University, Davangere. These matters are of significant importance and your suggestions and advice will lead us in the right direction. A meeting will allow us to assess the current situation, exchange ideas, and make informed decisions that will positively impact our GM University.

Agenda:

1. Scheme and Syllabus of B.Tech Information Science & Engineering UG Program

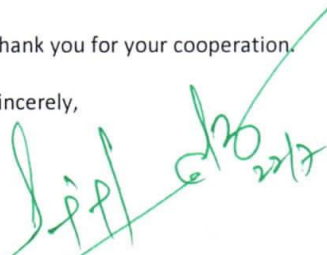
Venue: Senior Dean Chamber, Engineering Block, GM University Campus.

Date and Time: 24/07/2025 at 09.30am.

We look forward to a productive and insightful meeting that will contribute to the continued success of GM University, Davangere.

Thank you for your cooperation.

Sincerely,


[Dr. Sanjay Pande M B]
GM School of Advance studies &
School of Computer Science & Technology
Faculty of Engineering and Technology,
GM University, Davangere-577006.



ಜಿ. ಎಂ. ವಿಶ್ವವಿದ್ಯಾಲಯ

GM UNIVERSITY

P. B. Road, Davanagere – 577 006 KARNATAKA | INDIA

Date: 21/7/2025

To

The Registrar
GM University
Davanagere - 577006

Dear Sir,

Subject: Request for Booking Conference Hall for Board of Studies Meeting

With respect to the above subject, as we are conducting Board of Studies meeting to discuss academic matters pertaining to **GM University, Davanagere**.

Details of the event are as follows:

Agenda:

Scheme of B.Tech - SCST UG Programs and M.Tech – GMSAS Programs

Venue: Conference hall in the 2nd Floor of Central Library, GM University Campus.

Date and Time: 24/07/2025 at 09.30 AM

Hence, we would like to book the conference hall for the same.

Thank you for your attention to this matter, and we hope to receive a positive response from you soon.

Sincerely,


Dr. Sanjay Pande M B

Director, School of Computer Science and Technology,
Director, GM School of Advanced Studies,
Faculty of Engineering & Technology
GM University, Davanagere-577006



ಬಿ. ಎಂ. ವಿಶ್ವವಿದ್ಯಾಲಯ

GM UNIVERSITY

P. B. Road, Davanagere – 577 006 KARNATAKA | INDIA

Date: 21/07/2025

To,

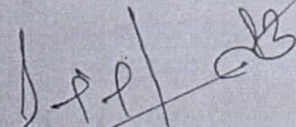
Pro-Vice Chancellor
GM University
Davanagere – 577006

Respected Sir,

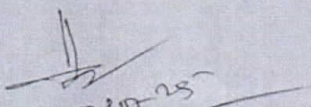
Subject: Request for Remuneration for Conducting Board of Studies Meeting-reg.

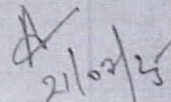
I am writing to address a matter concerning the remuneration for my role in conducting the recent Board of Studies meeting for School of Engineering. The details of the members are listed in the table below.

Sl. No.	Member Name	Designation and Address	Remuneration in Rupees	Date and Time
1	Dr. Shreedhara K.S	Professor, Computer Science and Engineering, University BDT College of engineering-577005.	5000/-	24/07/2025 At 9:00 AM
2	Dr. B N Veerappa	Professor Professor, Computer Science and Engineering, University BDT College of engineering-577005.	5000/-	
Total			10000/-	


Dr. Sanjay Pande M B

Director, School of Computer Science and Technology,
Director, GM School of Advanced Studies,
Faculty of Engineering & Technology
GM University, Davangere-577006


21/07/25


21/07/25

B.Tech. -Computer Science – Data Science

Program Details

Faculty	Engineering and Technology(FET)
School	School of Computer Science and Technology(SCST)
Department	Computer Science and Engineering
Program	B.Tech., Computer Science-Data Science
Dean of Faculty	Dr. S V Prakash
Director of School	Dr. Sanjay Pande M.B.
Program Coordinator	Mr. Firoz khan

1.	Title of the Award	B.Tech.in Computer Science- Data Science
2.	Modes of Study	Full Time
3.	Awarding Institution/Body	GM University
4.	Joint Award	Not Applicable
5.	Teaching Institution	Faculty of Engineering and Technology, GM University
6.	Date of Program Specifications	November-2023
7.	Date of Course Approval by the Academic Council of GMU	---
8.	Next Review Date:	---
9.	Program Approving Regulating Body and Date of Approval	---
10.	Program Accredited Body and Date of Accreditation	---
11.	Grade Awarded by the Accreditation Body	---
12.	Program Accreditation Validity	---
13.	Program Benchmark	N/A

Programme Structure

14. Definition of Credit:

1Hr.Lecture(L)per week	1Credit
2Hr.Tutorial(T)per week	1Credit
2Hr.Practical(P)per week	1Credit

Sl.No.	Program-Category	Credits
1.	Program-Core courses, elective Courses, open electives	130
2.	Technical Competency	10(SDTCD)
3.	Life Skills	3(CASP)
4.	Innovation and Entrepreneurial Skills	3(CIPI)
5.	Environmental Awareness and Community Services	3(SA)
6.	Athletics, Sports, Yoga, Gymnasium	3(SA)
7.	Cultural & Literary Activities	3(SA)
8.	Co-CurricularActivities(Seminar/Conference/Exhibition/TechnicalCompetition)	2(SA&SP)
9.	Placement Training	3(CASP)
Total		130+30=160

Program Overview for Computer Science-Data Science

The Bachelor's program in Computer Science - Data Science (B.Tech. Computer Science - Data Science) offers an all-encompassing and innovative education for students driven to excel in the dynamic field of computer science, data engineering, and intelligent systems. This program is meticulously crafted to provide students with a robust foundation in both theoretical principles and practical applications of computer science, with a specialized focus on data science, fostering a profound understanding of creative problem-solving, data analytics, and emerging technologies in the computer science industry.

Over the course of four years, students engage in a well-structured curriculum that seamlessly integrates core engineering principles with specialized courses in computer science and data science. The program emphasizes a hands-on approach, integrating projects, system design, and internships to empower students to apply theoretical knowledge to real-world challenges in computer science and data science.

Key areas of study include fundamental computer science concepts, data structures, algorithms, database management systems, data analytics, machine learning applications, and ethical data practices. Students also gain proficiency in utilizing cutting-edge programming languages, database tools, and analytics software, preparing them for the challenges of the contemporary computer science and data science industry.

The B.Tech. Computer Science - Data Science program aims to equip graduates for diverse career opportunities across various sectors, including data engineering, information management, data analytics, and intelligent systems. Potential career paths encompass roles in technology companies, data-driven industries, research and development, and entrepreneurship within the computer science and data science domain.

The interdisciplinary nature of the program opens avenues for exploring diverse applications, enabling graduates to contribute to advancements in technology, intelligent systems, and data-driven solutions. Continuous learning and staying abreast of the latest industry trends are essential for graduates to thrive in the rapidly evolving field of computer science and data science. The program spans eight semesters, providing a holistic education that prepares students for a successful and impactful career in the dynamic realm of computer science and data science innovation.

16	<p>Program Educational Objectives(PEOs)for Computer Science -Data Science</p> <p>The Bachelor's program in Computer Science - Data Science aims to produce graduates who, upon successful completion of the program, will achieve the following educational objectives:</p> <p>PEO-1:KnowledgeandTechnicalSkills</p> <p>Graduates will possess a robust foundation in computer science and data science principles, encompassing data structures, algorithms, database management systems, information retrieval, and machine learning applications. They will be equipped with the knowledge and technical skills necessary to analyze, design, implement, and optimize information systems and intelligent solutions. Graduates will be well-prepared to address real-world challenges in diverse sectors, including data engineering, information management, analytics, and emerging technologies.</p> <p>PEO-2:ProfessionalCompetenceandLeadership</p> <p>The program aims to instill in graduate’s technical competencies, practical skills, and leadership abilities, preparing them for success in the dynamic field of computer science and data science. Graduates will excel in various roles within technology companies, information industries, research and development, and entrepreneurial ventures within the computer science and data science domain. They will be capable of assuming both technical and leadership positions, contributing significantly to advancements in technology and innovation. The program emphasizes the development of professionals who can lead and drive positive change in the evolving landscape of computer science and data science.</p> <p>PEO-3:Holistic Development and Adaptability</p> <p>The program is designed to nurture critical thinking, creativity, innovation, collaboration, effective communication, information literacy, flexibility, adaptability, leadership, responsibility, and social and cross- cultural interaction skills. Graduates will demonstrate the ability to adapt to evolving professional environments, ensuring they contribute effectively to the irrespctive fields. The interdisciplinary nature of the program prepares graduates for diverse career trajectories, fostering holistic development and lifelong learning.</p> <p>The overarching goal of the B.Tech in Computer Science - Data Science is to produce graduates who are well- prepared to meet the challenges of the dynamic computer science and data science industry, contribute to technological advancements, and make a positive impact on society.</p>
17	<p>Program Outcomes(POs)(Graduate Attributes)</p> <p>PO-1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and</p>

an engineering specialization to the solution of complex engineering problems.

PO-2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO-3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO-4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO-

5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO-6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO-7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO-8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO-9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO-10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO-11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary

	<p>environments.</p> <p>PO-12:Life long learning:Recognize the need for,and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.</p>
	<p>Program Specific Outcomes(PSOs):</p> <p>Upon successful completion of the Bachelor's program in Computer Science - Data Science, graduates will possess the capability to:</p> <p>PSO-1: Analyse and Address Data Science Challenges</p> <p>Graduates will demonstrate the ability to analyze complex requirements in data science, identify challenges, and articulate problems with necessary specifications.</p> <p>Leveraging their understanding of data science principles, graduates will deliver innovative solutions, addressing issues in areas such as data engineering, information retrieval, and intelligent systems.</p> <p>PSO-2:ApplyDataScienceConcepts inSystem Development</p> <p>Graduates will be equipped to envision, model, design, implement, and test data science systems and solutions. They will demonstrate proficiency in addressing technical challenges within the field of data science, utilizing their knowledge of data structures, algorithms, and data management methodologies to create efficient, reliable, and innovative applications.</p> <p>PSO-3: Conduct and Lead Experimental Validation in Data Science</p> <p>After completing the program, graduates will showcase the capability to strategize, coordinate, and execute experiments for the validation and verification of data science systems and solutions. They will adeptly use laboratory techniques and software tools for designing and simulating data processes, and will be prepared to assume leadership roles in research projects, effectively managing teams and resources in the context of data science.</p> <p>These Program Specific Outcomes are tailored to ensure that graduates are not only well-versed in the theoretical aspects of data science but also possess the practical skills and leadership qualities required to make meaningful contributions in the field. The outcomes emphasize the application of data science principles in addressing real-world challenges and the development of innovative solutions in the realm of data science and engineering.</p>

Semester-1			
S.No.	Course Code	Course Title	Credits
1.	UE23CS101	Foundational Mathematics for Computer Science	4.5
2.	UE23CS102	Analog & Digital Fundamentals	4
3.	UE23CS103	Smart Materials And Devices For Computer Science	4
4.	UE23PSC104	Problem Solving through C Programming	4
5.	UE23IDT105	Innovative Design Thinking	1
6.	UE23SSP106	Soft Skills And Professional Communication	1.5
7.	23CSL17	Data Analytics	1
8.	23CSP18	Capstone Project-1 On C Programming	1
9.	23CSR19	Presentation On Research Paper	1
Total			22
Semester-2			
S.No.	Course Code	Course Title	Credits
1.	UE23CS1201	Applied Mathematics for Computer Science	3
2.	UE23CS1202	Applied Physics for Computer Science	3
3.	UE23CS1203	Data Structures and Algorithms	3
4.	UE23CS1204	Python Programming	3
5.	UE23CS1205	Fundamentals of Computer Networks	2
6.	UE23CS1206	Fundamentals of Database Management	2
7.	UE23CS1207	Capstone Project	2
8.	HG23TCSS01	Embracing Data Structures and Algorithms for Project Development	
9.	HG23TPLS01	Life Skills	
10.	HG23SAEA01	Environmental Awareness and Community Services	
Total			18
Semester-3			
S.No.	Course Code	Course Title	Credits
1.	UE23CS2301	Management and Entrepreneurship	2
2.	UE23CS2302	Algorithm Design and Complexity Analysis	3
3.	UE23CS2303	Internet of Things	2
4.	UE23CS2304	Object Oriented Programming	3
5.	UE23CS2305	Computer Organization and Digital Circuits/Architecture	3
6.	UE23CS2306	Operating System Concepts	3
7.	UE23CS2307	Project Based Learning on Management& Entrepreneurship	2
8.	SDTCD	Technical Competency	02
9.	CASP	Life Skills	01
10.	CIBI	Innovation and Entrepreneurial Skills	00
11.	SA	Environmental Awareness and Community Services	01
12.	SA	Athletics, Sports, Yoga, Gymnasium	00
13.	SA	Cultural & Literary Activities	00
14.	SASP	Co-Curricular Activities (Seminar/Conference/Exhibition/Technical Competition)	00
15.	CASP	Placement Training	01
Total			23

Semester-4			
S.No.	Course Code	Course Title	Credits
1.	UE23CS2401	Machine Learning	3
2.	UE23CS2402	Data Mining & Data Warehousing	3
3.	UE23CS2403	Discrete Structures for Computing	2
4.	UE23CS2404	Advanced Data Base Management System and PL/SQL	3
5.	UE23CS2405	Automata Theory and Compiler Design	3
6.	UE23CS2406	Project based learning on building a Machine Learning Model	2
7.	SDTCD	Technical Competency	02
8.	CASP	Life Skills	01
9.	CIBI	Innovation and Entrepreneurial Skills	01
10.	SA	Environmental Awareness and Community Services	01
11.	SA	Athletics, Sports, Yoga, Gymnasium	01
12.	SA	Cultural & Literary Activities	01
13.	SASP	Co-Curricular Activities (Seminar/Conference/Exhibition/Technical Competition)	00
14.	CASP	Placement Training	01
Total			24

Semester-5			
S.No.	Course Code	Course Title	Credits
1.	UE23DS3501	Data Visualization	3
2.	UE23CS3502	Cloud Computing and its Applications	3
3.	UE23DS3503	Data wrangling using Python	3
4.	UE23DS3504	Data Science Tools-Tableau	3
5.	UE23DS3505	Project based learning on Tableau	3
6.	UE23DS35XX	Professional Elective-1	3
7.	SDTCD	Technical Competency	02
8.	CASP	Life Skills	00
9.	CIBI	Innovation and Entrepreneurial Skills	00
10.	SA	Environmental Awareness and Community Services	00
11.	SA	Athletics, Sports, Yoga, Gymnasium	01
12.	SA	Cultural & Literary Activities	00
13.	SASP	Co-Curricular Activities (Seminar/Conference/Exhibition/Technical Competition)	00
14.	CASP	Placement Training	01
Total			22

Semester-6			
S.No.	CourseCode	Course Title	Credits
1.	UE23DS3601	Pattern Analysis in Data Science	3
2.	UE23DS3602	Data Analytics with Hadoop	4
3.	UE23DS3603	DevOps Essentials	4
4.	UE23DS3604	Project based learning on DevOps	3
5.	UE23DS36XX	Professional Elective – 2	3
6.	SDTCD	Technical Competency	02
7.	CASP	Life Skills	00
8.	CIBI	Innovation and Entrepreneurial Skills	01
9.	SA	Environmental Awareness and Community Services	00
10.	SA	Athletics, Sports, Yoga, Gymnasium	00
11.	SA	Cultural & Literary Activities	01
12.	SASP	Co-Curricular Activities (Seminar/Conference/Exhibition/Technical Competition)	00
13.	CASP	Placement Training	00
Total			21

Semester-7			
S.No.	Course Code	CourseTitle	Credits
1.	UE23CS4701	Software Engineering	3
2.	UE23CS4702	Industry Internship	3
3.	UE23CS4703	Project-1	4
4.	UE23CS47XX	Open Elective -1	4
5.	SDTCD	Technical Competency	00
6.	CASP	Life Skills	00
7.	CIBI	Innovation and Entrepreneurial Skills	00
8.	SA	Environmental Awareness and Community Services	00
9.	SA	Athletics, Sports, Yoga, Gymnasium	01
10.	SA	Cultural & Literary Activities	00
11.	SASP	Co-Curricular Activities(Seminar/Conference/Exhibition/Technical Competition)	01
12.	CASP	Placement Training	00
Total			16

Semester-8			
S.No.	Course Code	Course Title	Credits
1.	UE23CS4801	Engineering Project Management	3
2.	UE23CS4802	Project-2	3
3.	UE23CS48XX	Open Elective -2	6
4.	SDTCD	Technical Competency	00
5.	CASP	Life Skills	00
6.	CIBI	Innovation and Entrepreneurial Skills	01
7.	SA	Environmental Awareness and Community Services	00
8.	SA	Athletics, Sports, Yoga, Gymnasium	00
9.	SA	Cultural & Literary Activities	00
10.	SASP	Co-Curricular Activities (Seminar/Conference/Exhibition/TechnicalCompetition)	01
11.	CASP	Placement Training	00
Total			14

List of Electives Offered

List of Professional Electives offered for 5th Semester

Sl	Course Code	Course Title	Credits
1.	UE24CS3540	Devops Essential	3
2.	UE24CS3541	Principles of Artificial Intelligence	3
3.	UE24CS3542	Software Engineering	3
4.	UE24CS3543	Ethical Hacking	3
5.	UE24CS3544	Information Network Security	3
6.	UE24CS3545	Advanced Cryptography	3

List of Professional Electives offered for 6th Semester

Sl	Course Code	Course Title	Credits
1.	UE24CS3640	Wireless Adhoc Networks	3
2.	UE24CS3641	Malware Analysis	3
3.	UE24CS3642	Sensor and Sensing Systems	3
4.	UE24CS3643	Security threat and Vulnerability	3
5.	UE24CS3644	Data wrangling using Python	3
6.	UE24CS3645	Cyber Security and Secure Systems	3

List of Open Electives offered for 7th Semester

Sl	Course Code	Course Title	Credits
1	UE24CS4780	M& E	2
2	UE24CS4781	Biology of Engineers	2
3	UE24CS4782	Nano Technology	2

List of Open Electives offered for 8th Semester

Sl	Course Code	Course Title	Credits
1.	UE24CS4880	Renewable Energy Resources	2
2.	UE24CS4881	Agricultural Robotics	2
3.	UE24CS4882	Occupational Health & Safety	2

19	<p>Program Delivery and Program Attainment</p> <p>The program comprises several courses, each delivered according to the specifications outlined in the course documents. At the conclusion of each course, both course attainments and program attainments are computed. These attainments undergo analysis during Course Assessment Board and Program Assessment Board meetings, leading to recommendations for enhancements in subsequent offerings.</p>
20	<p>Teaching and Learning Methods</p> <ol style="list-style-type: none"> 1. Face to Face Lectures using Audio-Visuals 2. Laboratory work/Fieldwork/Workshop 3. Project Based Learning 4. Problem Based Learning 5. Group Exercises/Assignments 6. Demonstrations 7. Guest Lectures 8. Industry Visit 9. Workshops, Group Discussions, Debates, Presentations 10. Project Work 11. Project Exhibitions 12. Technical Competitions
21	<p>Attendance</p> <p>A minimum of 85% attendance is essential to appear for semester end examinations. Condoning of attendance Shortage is as per the Academic Regulations of B.Tech Programme.</p>
22	<p>Assessment and Grading</p> <ol style="list-style-type: none"> 1. Every course will be assessed for a weight of 100 2. There are 4 components: <ol style="list-style-type: none"> a. Quiz-15% b. Class Tests:25% c. Application Based open assignments/ Activity/project-based learning/problem-based learning and any such assessment:20% d. Semester End Examination:40% 3. Based on total marks scored grade is Awarded. If marks scored is: <ol style="list-style-type: none"> a. 91 and above O (outstanding); 81-90: A+ (Excellent); 71-80: A (Very Good); 61-70: B+ (Good); 51-60: B (Above Average); 40-50: C (Average); below 40: D (Not satisfactory) b. If one scores D grade, the candidate is required to re-register for the course (for core courses only, students can exercise their choice in case of electives or open electives – means they can re-register or register for a different elective course) and earn the required credits

	<p>c. A minimum of overall 40% is required for completion of course by acquiring minimum grade(pass)with a minimum of 40% in each component.</p>
	<p>4. End of each semester–grade card will be issued with SGPA displayed</p>
23	<p>Award of Degree</p> <p>Every student registering for the program need to complete a minimum of 160 credits, completing a minimum of 130 credits in academic courses(Core,elective,openelective) for the award of the degree.</p> <p>Award of Degree Certificate:</p> <p>Students will be issued consolidated grade card with CGPA displayed and GM University Degree Certificate.</p> <p>Award of Gold Medal: A student with highest CGPA(Not less than 9.0 on a scale of 10) in the class without getting a D grade in any course over 8 semesters and completing the program within the specified period of 4 years (8 semesters) will be awarded Gold Medal.</p>
24	<p>Student Support for Learning</p> <ol style="list-style-type: none"> 1. Course Notes 2. Reference Books in the Library 3. Magazines and Journals 4. Internet Facility 5. Computing Facility 6. Laboratory Facility 7. Workshop Facility 8. Staff Support 9. Lounges for Discussions 10. Any other support that enhances their learning
25	<p>Quality Control Measures</p> <ol style="list-style-type: none"> 1. Review of Course Notes 2. Review of Question Papers and Assignment Questions 3. Student Feedback 4. Moderation of Assessed Work 5. Opportunities for students to see their assessed work 6. Review by external examiners and external examiners reports 7. Staff Student Consultative Committee meetings 8. Student exit feedback 9. Course Assessment Board(CAB) 10. Programme Assessment Board(PAB)



Srishyla Education Trust®

GM UNIVERSITY

(Established under the Karnataka State Act No.19 of 2023)

Post Box no-4, P B Road, Davangere-577006

FACULTY OF ENGINEERING AND TECHNOLOGY

SCST- B.Tech., CSE-DS

Agenda	Review of Scheme 2023(I to VI) for B.Tech in CSE-DS
Recommendation made by the Expert members	<p>1. Curriculum Review</p> <ul style="list-style-type: none">Renaming the subject "Data Wrangling using Python" to "Data Wrangling" for better generalization. It was recommended to remove the tool-specific mention to allow flexibility in content delivery.It was suggested to list common subjects offered across departments in a single table and assign a uniform subject code for each, based on the core (offering) department. This ensures consistency and avoids duplication in subject listings.
Incorporation made in the existing program document	No major changes were required, as the updates were accommodated within the existing structure of the program document.
Proposed Next Meeting Date	March/April-2026

Mr. Firoz Khan
HOD
Department of CSE-DS
GM University

Dr. Sanjay Pande M B
Director
SCST
GM University



ಜಿ. ಎಂ. ವಿಶ್ವವಿದ್ಯಾಲಯ

GM UNIVERSITY

P. B. Road, Davanagere – 577 006 KARNATAKA | INDIA

Date: 24/07/2025

To
Account Section,
GM University

Subject: Request for Remuneration for External Members of BoS Meeting – School of
Computer Science & Technology

Respected Sir/Madam,

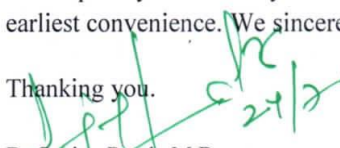
I hope this letter finds you well.

This is to bring to your kind attention that the Board of Studies (BoS) meeting for the **School of Computer Science & Technology**, GM University, was successfully conducted on 24-07-2025. The meeting was attended by the designated Director, Head's of respective department, internal members as well as the invited **external experts**, who provided valuable insights and recommendations to enhance the curriculum and academic standards of our programs. In recognition of their time, expertise, and contributions, we kindly request the release of remuneration/honorarium for the following external members as per the university norms:

Name of External Member	Designation	Affiliation	Amount (as per norms)	Account Details
Dr. Shreedhara K S	Professor	University BDT, Davangere	Rs. 5000/-	Account No:54042072827 IFSC Code: SBIN0040108 PAN NO:4JCPS6916J
Dr. B N Veerappa	Former Professor	University BDT, Davangere	Rs.5000/-	Account No:54042077031 IFSC Code: SBIN0040108 PAN NO:AGGPB4265N

We request you to kindly initiate the process for the disbursement of the remuneration at the earliest convenience. We sincerely appreciate your support and cooperation in this regard.

Thanking you.


Dr Sanjay Pande M B
Director,
School of Computer Science & Engineering
GM School of Advanced Studies,
Faculty of Engineering & Technology
GM University, Davanagere.



ಜಿ. ಎಂ. ವಿಶ್ವವಿದ್ಯಾಲಯ
GM UNIVERSITY

P. B. Road, Davanagere – 577 006 KARNATAKA | INDIA

Date: 24-07-2025

To,
Dr. Shreedhara K S
Professor
Department of Computer Science & Engineering,
University BDT College of Engineering
Davanagere

Dear Professor,

Subject: Heartfelt Thanks for Your Valuable Contribution as External Member – Board of Studies

On behalf of the School of Computer Science & Engineering, GM University, I would like to extend our sincere gratitude for your valuable participation as the **External Member of the Board of Studies (BoS)**.

Your insightful suggestions, expert guidance, and constructive feedback during the meeting have immensely contributed to enriching our curriculum design and academic planning. Your industry-academic perspective helped us align our syllabus with current technological trends and future industry demands, thereby enhancing the overall quality of our academic offerings.

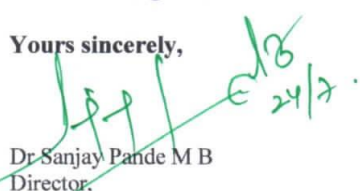
We truly appreciate the time and effort you dedicated to reviewing our programs and sharing your expertise with our faculty team. Your presence in the BoS has been instrumental in strengthening our vision of academic excellence and innovation.

We look forward to your continued support and collaboration in our future academic endeavors.

Once again, thank you for your esteemed contribution.

With warm regards,

Yours sincerely,


Dr. Sanjay Pande M B
Director,
School of Computer Science & Engineering
GM School of Advanced Studies,
Faculty of Engineering & Technology
GM University, Davanagere.

Received
Dr. Shreedhara K S



ಜಿ. ಎಂ. ವಿಶ್ವವಿದ್ಯಾಲಯ

GM UNIVERSITY

P. B. Road, Davanagere – 577 006 KARNATAKA | INDIA

Date: 24-07-2025

To,
Dr. B N Veerappa
Former Professor
Department of Computer Science & Engineering,
University BDT College of Engineering
Davanagere

Dear Professor,

Subject: Heartfelt Thanks for Your Valuable Contribution as External Member – Board of Studies

On behalf of the School of Computer Science & Engineering, GM University, I would like to extend our sincere gratitude for your valuable participation as the **External Member of the Board of Studies (BoS)**.

Your insightful suggestions, expert guidance, and constructive feedback during the meeting have immensely contributed to enriching our curriculum design and academic planning. Your industry-academic perspective helped us align our syllabus with current technological trends and future industry demands, thereby enhancing the overall quality of our academic offerings.

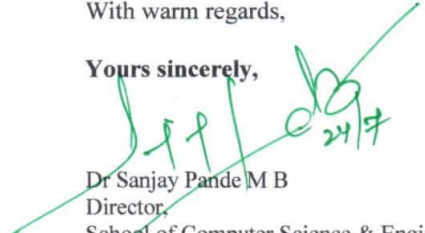
We truly appreciate the time and effort you dedicated to reviewing our programs and sharing your expertise with our faculty team. Your presence in the BoS has been instrumental in strengthening our vision of academic excellence and innovation.

We look forward to your continued support and collaboration in our future academic endeavors.

Once again, thank you for your esteemed contribution.

With warm regards,

Yours sincerely,


Dr Sanjay Pande MB
Director,
School of Computer Science & Engineering
GM School of Advanced Studies,
Faculty of Engineering & Technology
GM University, Davanagere.

Received 
24-07-25



ಜಿ. ಎಂ. ವಿಶ್ವವಿದ್ಯಾಲಯ

GM UNIVERSITY

P. B. Road, Davanagere – 577 006 KARNATAKA | INDIA

Date: 21/7/2025

To

The Pro-Vice-Chancellor

GM University

Davanagere - 577006

Respected Sir,

Subject: Request for Tea and Lunch for BOS Meeting

With reference to the above subject, we are conducting the **Board of Studies (BOS) meeting** to discuss important academic matters pertaining to **GM University, Davanagere**.

In this regard, I am here by submitting the details of the BOS meeting members along with the date, time, and number of members, and request you to kindly arrange **tea, and lunch** as per the following schedule:

- **Date:** 24/07/2025 **Time:** 9:30 AM onwards **Place:** Conference Hall 2, GM University

Member attending Meeting	Director	HOD	No. External Member	No. of Internal Member	(Tea and Snacks)	Lunch
CSE	1	1	2	2	8	6
ISE	1	1		2		6
CS-AIML	1	1		2		6
CS-DS	1	1		2		6
CS-AI-IoT						
CS-CY	1	1		2		6
CS-IY	1	1		2		6
CS-CC						
CS-BC-BS						

Kindly do the needful. Thanking you.

Sincerely,

Dr. Sanjay Pande M B

Director, School of Computer Science and Technology,

Director, GM School of Advanced Studies,

Faculty of Engineering & Technology

GM University, Davanagere-577006

Note lunch for 15 members

21/07/25
See to the...
MR S...
PI. approve
21/7



Srishyla Education Trust®

GM UNIVERSITY

(Established under the Karnataka State Act No.19 of 2023)

Post Box no-4, P B Road, Davangere-577006

FACULTY OF ENGINEERING AND TECHNOLOGY

SCST- B.Tech., CSE-DS

Date: 24-07-2025

Photo Gallery of BOS Meeting Academic Year 2025-26



Mr. Firoz Khan
HOD, Department of CSE-DS
GM University

Dr. Sanjay Pande M B
Director, SCST
GM University

Dr. H D Maheshappa
Pro-Vice Chancellor
GM University