Srishyla Educational Trust (R)
GM UNIVERSITY
(Established under the Karnataka State Act No. 19 of 2023)
P. B. Road, Davanagere, Karnataka - 577 006
Toll Free No.: 18001237099, Ph: +91 93640-99720 /721
E-mail: info@gmu.ac.in, Website: www.gmu.ac.in

SCHOOL OF ENGINNERING AND TECHNOLOGY

School: SCHOOL OF COMPUTER SCIENCE & TECHNOLOGY

Program: Dept. of CS-Cyber Security & CS-Information Security

Board of Studies (BOS)

Minutes of Meeting for the
Academic Year 2025-26

GM UNIVERSITY

Srishyla Educational Trust (R)
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SCHOOL OF ENGINNERING AND TECHNOLOGY

SCHOOL OF COMPUTER SCIENCE & TECHNOLOGY

Dept. of CS-Cyber Security & CS-Information

Date:24.07.2025

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7	Acknowledgement of remuneration	☐
8	Photo gallery Of Bos Meeting	☐

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]

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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 <dir.scst@gmu.ac.in> Tue, Jul 22, 2025 at 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

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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>

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.

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, Davangere-577006

ಜಿ. 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, Computer Science and Engineering, University BDT College of engineering–577005.	5000/-	
Total			10000/-	

21/07/25

21/07/25

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

B.Tech. – CS-Cyber Security (CS-CY)

Program Details

Faculty	Engineering and Technology (FET)
School	School of Computer Science and Technology (SCST)
Department	Computer Science & Engineering
Program	B.Tech., Computer Science - Cyber Security (CS-CY)
Director of School	Dr. Sanjay Pande M.B.
Head of Department	Dr. Aruna Kumar B T

1.	**Title of the Award**	B.Tech., Computer Science - Cyber Security (CS-CY)
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

14.	**Program Overview for Compute Science -Information Security** The Bachelor's program in Computer Science and Information Security (B.Tech. Computer Science and Information Security) delivers a comprehensive and forward-looking education for students aspiring to excel in the dynamic convergence of computer science, software engineering, and the crucial domain of information security. Meticulously crafted, the program aims to provide students with a robust foundation in both theoretical principles and practical applications of computer science, nurturing a profound understanding of creative problem-solving, software design, and cutting-edge technologies in the computer science and information security industry. Over the span of four years, students immerse themselves in a meticulously structured curriculum that seamlessly blends core engineering principles with specialized courses in computer science and information security. The program employs a hands-on approach, integrating software projects, system design, and internships to empower students to apply theoretical knowledge to real-world challenges in computer science and information security. Key areas of study encompass programming principles, algorithms, data structures, artificial intelligence, machine learning, software development methodologies, computer networks, and specialized information security techniques. Proficiency is developed in using leading programming languages, development tools, and simulation software, ensuring graduates are well-prepared for the complexities of the contemporary computer science and information security industry. The B.Tech. Computer Science and Information Security program aim to equip graduates for diverse career opportunities across various sectors, with a specific focus on securing information systems and networks. Potential career paths encompass roles in technology companies, information security firms, government agencies, research and development, and entrepreneurship within the computer science and information security domain. The interdisciplinary nature of computer science and information security provides avenues to explore diverse applications, enabling graduates to contribute to technological advancements, innovative software solutions, and the development of secure systems. Emphasizing continuous learning and staying abreast of the latest industry trends, the program ensures graduates thrive in the rapidly evolving field of computer science and information security. Spanning eight semesters, the program delivers a holistic education

	that readies students for a successful and impactful career in the dynamic realm of computer science and information security innovation.
	Program Educational Objectives (PEOs) for Computer Science - Information Security **PEO-1: Knowledge and Technical Skills:** The Bachelor's program in Computer Science and Information Security strives to furnish graduates with a strong foundation in computer science and engineering principles, covering algorithms, data structures, artificial intelligence, and machine learning. Post-completion, graduates will possess the knowledge and technical skills requisite for analyzing, designing, implementing, and optimizing software systems and intelligent solutions. Their competencies will extend to addressing real-world challenges, especially in the realm of information security, ensuring the confidentiality, integrity, and availability of information systems and networks. **PEO-2: Professional Competence and Leadership** Our program is dedicated to instilling in graduates the technical expertise, practical skills, and leadership acumen essential for success in the dynamic and critical field of computer science and information security. Graduates will excel in various roles within technology companies, information security firms, research and development, and entrepreneurial ventures within the broad spectrum of the computer science domain. They will be adept at assuming both technical and leadership positions, contributing significantly to technological advancements and innovation, with a specific emphasis on securing information systems. **PEO-3: Holistic Development and Adaptability** The program aspires to nurture critical thinking, creativity, innovation, collaboration, effective communication, information literacy, flexibility, adaptability, leadership, responsibility, and social and cross-cultural interaction skills. Graduates will showcase their ability to adapt to evolving professional environments, ensuring they contribute effectively to the dynamic and challenging field of computer science and information security. The interdisciplinary nature of the program is designed to prepare graduates for diverse career trajectories, fostering holistic development and a commitment to lifelong learning. The overarching goal of the B.Tech. in Computer Science and Information Security is to produce graduates who are well-prepared to tackle the challenges of the dynamic computer science and information security industry. They are poised to contribute to technological advancements, enhance innovation, and positively impact the security of information systems and society.

Program Outcomes (POs) (Graduate Attributes)

PO-1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and 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 environments.

Programme Structure

18. **Definition of Credit**:

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

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-Curricular Activities (Seminar/Conference/Exhibition/Technical Competition)	2(SA&SP)
9.	Placement Training	3(CASP)
	Total	**130+30=160**

18. Courses and Credits:

Semester-1			
S. No.	Course Code	Course Title	Credits
1.	UE25CY1101	Foundational Mathematics for Computer Science	3
2.	UE25CY1102	Analog & Digital Fundamentals	3
3.	UE25CY1103	Advanced Materials Integration in Computing Technology	3
4.	UE25CY1104	Problem Solving through C Programming	3
5.	UE25CY1105	Web Designing & Programming	3
6.	UE25CY1106	Project Based Learning / mini project on Web Designing	2
7.	SDTCD	Technical Competency	0
8.	CASP	Life Skills	0
9.	CIBI	Innovation and Entrepreneurial Skills	0
10.	SA	Environmental Awareness and Community Services	0
11.	SA	Athletics, Sports, Yoga, Gymnasium	0
12.	SA	Cultural & Literary Activities	0
13.	SASP	Co-Curricular Activities (Seminar/Conference/Exhibition/Technical Competition)	0
14.	CASP	Placement Training	0
Total			**17**

Semester-2			
S. No.	Course Code	Course Title	Credits
1.	UE25CY1201	Applied Mathematics for Computer Science	3
2.	UE25CY1202	Applied Physics for CSE	3
3.	UE25CY1203	Data Structures & Algorithms	3
4.	UE25CY1204	Python Programming	3
5.	UE25CY1205	Fundamentals of Computer Networks	2
6.	UE25CY1206	Fundamentals of DBMS	2
7.	UE25CY1207	Project Based Learning / mini project	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	00
Total			**22**

Semester-3			
S. No.	Course Code	Course Title	Credits
1.	UE24CY2301	Algorithm Design and Complexity Analysis	4
2.	UE24CY2302	Internet of Things	3
3.	UE24CY2303	Object Oriented Programming	3
4.	UE24CY2304	Computer Organization and Architecture	3
5.	UE24CY2305	Operating System Concepts	3
6.	UE24CY2306	Project Based Learning / mini project	2
7.	SDTCD	Technical Competency	02
8.	CASP	Life Skills	01
9.	CIBI	Innovation and Entrepreneurial Skills	00
10.	SA	Environmental Awareness and Community Services	01
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			**24**

Semester-4			
S. No.	Course Code	Course Title	Credits
1.	UE24CY2401	Machine Learning	3
2.	UE24CY2402	Data Mining & Data Warehousing	3
3.	UE24CY2403	Discrete Structures for Computing	2
4.	UE24CY2404	Advanced DBMS + NoSql	3
5.	UE24CY2405	Automata Theory and Compiler Design	3
6.	UE24CY2406	Project Based Learning / mini project 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.	UE23CY3501	Advance Machine Learning	3
2.	UE23CY3502	Software Engineering	3
3.	UE24CC3503	Web Application and Data Security	3
4.	UE23CY3504	Web Application & Database Security	3
5.	UE23CY3505	Project Based Learning / mini project	3
6.	UE23CY35XX	Professional Elective – 1 Cyber Security and Cyber Law	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.	Course Code	Course Title	Credits
1.	UE23CY3601	Secure Programming	3
2.	UE23CY3602	Defensive Security	3
3.	UE23CY3603	Blockchain Technology	3
4.	UE23CY3604	Project Based Learning / mini project on Block Chain	3
5.	UE23CY36XX	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			**19**

Semester-7			
S. No.	Course Code	Course Title	Credits
1.	UE23CY4701	Intellectual Property Rights	3
2.	UE23CY4702	Industry Internship	3
3.	UE23CY4703	Project - 1	4
4.	UE23CY47XX	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	00
10.	SA	Cultural & Literary Activities	01
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.	UE23CY4801	Engineering Project Management	3
2.	UE23CY4802	Project - 2	3
3.	UE23CY48XX	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/Technical Competition)	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	UE23CY3540	Devops Essential	3
2	UE23CY3541	Principles of Artificial Intelligence	3
3	UE23CY3542	Software Engineering	3
	UE23CY3543	Ethical Hacking	3
	UE23CY3544	Information Network Security	3
	UE23CY3545	Advanced Cryptography	3

List of Professional Electives offered for 6th Semester

Sl	Course Code	Course Title	Credits
1	UE23CY3640	Wireless Adhoc Networks	3
2	UE23CY3641	Malware Analysis	3
3	UE23CY3642	Sensor and Sensing Systems	3
	UE23CY3643	Security threat and Vulnerability	3
	UE23CY3644	Data wrangling using Python	3
	UE23CY3645	Cyber Security and Secure Systems	3

List of Open Electives offered for 7th Semester

Sl	Course Code	Course Title	Credits
1	UE23CY4780	M& E	2
2	UE23CY4781	Biology of Enginers	2
3	UE23CY4782	Nano Technology	2

List of Open Electives offered for 8th Semester

Sl	Course Code	Course Title	Credits
1	UE23CY4880	Renewable Energy Resources	2
2	UE23CY4881	Agricultural Robotics	2
3	UE23CY4882	Occupational Health & Safety	2

19	**Program Delivery and Program Attainment** 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.
20	Teaching and Learning Methods 1. Face to Face Lectures using Audio-Visuals 2. Laboratory work/Field work/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	**Attendance** 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.
22	**Assessment and Grading** 1. Every course will be assessed for a weight of 100 2. There are 4 components: a. Quiz -15% b. Class Tests: 25% c. Application Based open assignments/ Activity/project-based learning/problem-based learning andany such assessment: 20% d. Semester End Examination: 40% 3. Based on total marks scored grade is Awarded. If marks scored is: 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 **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. **4.** End of each semester –grade card will be issued with SGPA displayed
23	**Award of Degree** 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, open elective) for the award of the degree**. **Award of Degree Certificate:** Students will be issued consolidated grade card with CGPA displayed and GM University Degree Certificate. **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 anycourse over 8 semesters and completing the program within the specified period of 4 years (8 semesters) will be awarded Gold Medal.
24	**Student Support for Learning** 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	**Quality Control Measures** 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)

26. Mapping of POs with Cos.

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12
Course- 1												
CO1												
CO2												
CO3												
CO4												
CO5												
CO6												
Course -2												
CO1												
CO2												
CO3												
CO4												
CO5												
CO6												
-												
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-												

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

Date: 24/7/2025

BOS MINUTES OF MEETING

Date	24/7/2025	Time	9.30pm to 12.30pm
School Title	School of Computer Science and Technology		
Program Title	B.Tech in Cyber Security (CY) and Information Security (IY)		

Name of the Person	Position	Signature
Dr. H.D. Maheshappa Pro-Vice Chancellor GM University Davangere – 577006 Email: pro-vc@gmu.ac.in	Chairperson	29/7/25
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 Email: directorfet.scst@gmu.ac.in	Chairman	
Dr. Shreedhara K.S Professor, Computer Science and Engineering, University BDT College of engineering Email: ks_shreedhara@yahoo.com	External Member	
Dr. B N Veerappa Former Professor, Computer Science and Engineering, University BDT College of engineering Email: bnveerappa@gmail.com	External Member	
Dr. Aruna Kumar B T Professor and Head Department of CS-Cyber Security (CY) and CS-Information Security(IY) GM University Davanagere. Email:arunkumarbt@gmit.ac.in	Member	
Mr.Kotreshi S N Assistant Professor	Internal Member	

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Department of Information Science and Engineering GM University Davanagere. Email:		

Agenda	Review of Scheme (I Sem to VIII Sem) for B.Tech in Information Science and Engineering
Recommendation made by the Expert members	• **Replacement of Courses:** o It was resolved to replace the subject "Ethical Hacking" with "Software Engineering" in the curriculum for Vth Semester. o The change is aimed at aligning the curriculum with foundational industry practices and improving core software development understanding. • **Professional Electives:** o Members recommended making Professional Elective subjects lab-oriented wherever applicable to ensure hands-on practical learning. o It was decided to retain Professional Electives as common across specializations to offer a broader learning scope. ▪ Advanced Cryptography ▪ Ethical Hacking ▪ Data Privacy o • **Removal of Subjects:** o The following subjects were proposed for removal due to content other department relevance: ▪ Principles of Artificial Intelligence ▪ Devops Essential • **Terminology Alignment:** o The term "Agile" was suggested to be retained or added to relevant subject titles to reflect current industry practices and methodologies.
Incorporation made in the existing program Document	**5th semester 2023 scheme, CS-Cyber Security (CS-CY),The recommended courses are** 1. Advanced Machine Learning 2. Software Engineering 3. Data Privacy 4. Web Application & Database Security 5. Project based Learning (Case Study) 6. Professional Elective-1 (Ethical Hacking)

	Professional Elective-1 1.Cloud Computing and its Applications 2.Ethical Hacking 3.Cyber Security and Cyber Law **5th semester 2023 scheme CS-Information Security (CS-IY),The recommended courses are** 1. Advanced Machine Learning 2. Software Engineering 3. Malware Analysis 4. Information Network Security 5. Project based Learning (Case Study) 6. Professional Elective-1 (Data Privacy) **Professional Elective-1** 1.Cloud Computing and its Applications 2.Data Privacy 3.Advance Cryptography
Proposed Next Meeting Date	March/April - 2026

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

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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.

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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,

24/7.

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

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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
Davangere

Dear Professor,

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

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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,

24/7

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

Received 24.07.25

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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						
CS-CC	1	1		2		6
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, Davangere-577006

2/07/25

See 10 letter from G.H. can provide other [illegible] from Hostel

MR Sir,

22/07/25

Sir, Pl. approve

24/7

Note lunch for 15 members

Srishyla Educational Trust (R)
GM UNIVERSITY
(Established under the Karnataka State Act No. 19 of 2023)
P. B. Road, Davanagere, Karnataka - 577 006
Toll Free No.: 18001237099, Ph: +91 93640-99720 /721
E-mail: info@gmu.ac.in, Website: www.gmu.ac.in

Faculty of Engineering & Technology
School of Computer Science and Technology

B. Tech in CS-Cyber Security and
B. Tech in CS-Information Security

Photo Gallery of BOS Meeting Academic Year 2025-26

1. Bos Meeting

2.Group Photo

3. HOD's discussion with BOS Members

4. Dr. Sanjay Pande M B, Director of SCST, discussion With Panel members

5. Lunch with BOS Team and Committee Members.