

Society of Programming, Automation, Robotics, and Knowledge Systems (SPARKS)

Issued by the Founding Members

PREAMBLE

To advance the highest standards of technical mastery, enforce a relentless culture of innovation, and consolidate institutional leadership, it is hereby proclaimed and directed as follows:

1 ESTABLISHMENT

There is hereby created, within the Department of Automation and Robotics, the **Society of Programming, Automation, Robotics, and Knowledge Systems (SPARKS)**. SPARKS shall constitute an official student-led organization operating under the authority and oversight of designated faculty, with the mission of promoting excellence in programming, automation, robotics, and knowledge systems.

2 OBJECTIVES

It is hereby directed that SPARKS shall:

1. Conduct workshops, instructional sessions, and technical training in Artificial Intelligence, Machine Learning, Robotics, Automation, Web Development, and Cloud Computing.
2. Host hackathons, coding contests, and robotics challenges to cultivate technical mastery, teamwork, and problem-solving excellence.



SPARKS

3. Facilitate peer mentorship, collaborative projects, and applied research addressing real-world challenges.
4. Promote participation in national and international competitions, conferences, and entrepreneurial initiatives.
5. Establish a culture of technical ethics, leadership, and responsible innovation among all members.
6. To encourage the design and development of sustainable, energy-efficient, and environmentally responsible robotic systems that contribute to environmental protection and support global sustainable development goals.

3 ORGANIZATIONAL AUTHORITY

1. Faculty Coordinators: Two faculty members shall be appointed to exercise supervisory authority.
2. Coordinators: Seven student leaders shall be elected to administer society operations.
3. Core Team Members: Such members as may be necessary shall be designated for specific projects and events.

4 FACULTY COMMITTEE MEMBERS

Role	Name
Cheif Faculty Co-ordinator	Dr. S.A.H. Rizvi
Deputy Faculty Co-ordinator	Mr. Satyendra Kumar Shukla

5 MEMBERSHIP PROVISIONS

Founding Members

Name	Cohort
Krishna Bajpai	2
Deepesh Kumar	2
Anmol Pandey	2
Gaurav Saini	2
Narendra Nath	2
Mohammad Abdullah Alam	2
Lovekesh	2
Md Sahil	2



6 ORGANIZATIONAL CHARTER

SPARKS shall operate under a structured organizational framework as follows. Each member is assigned to a specific functional/core team, working for the foundation of the Society and all actions are binding under the directives of the faculty coordinator.

Technology Team (TECH)

Name	Role
Krishna Bajpai	Head
Shraddha Verma	Member
Anima Shukla	Member
Anmol Pandey	Member
Harsh Pandey	Member
Mohd. Abdullah Allam	Member
Sushmita	Member
Utkarsh Sahai Srivastava	Member
Abhay	Member

Public Relations Team (PR)

Name	Role
Anmol Pandey	Head
Narendra Nath	Member
Gaurav Saini	Member

Content Team (CONTENT)

Name	Role
Gaurav Saini	Head
Md. Sahil	Member
Abhay	Member
Shraddha Verma	Member
Anima Shukla	Member
Deepesh Kumar	Member
Narendra Nath	Member
Sushmita	Member



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Sponsorship Team (SPONSOR)

Name	Role
Narendra Nath	Head
Abhay	Member
Anmol Pandey	Member
Gaurav Saini	Member
Deepesh Kumar	Member

Event Management Team (EVENT)

Name	Role
Deepesh Kumar	Head
Lovekesh	Member
Sushmita	Member

Financial Team (FINANCE)

- The Financial Team shall consist exclusively of Founding Members.
- This team shall oversee budgeting, sponsorship allocations, and financial compliance of SPARKS activities.
- All financial decisions require joint approval of the Financial Team and the Faculty Coordinator.

Note: Membership in each team is binding. Members are expected to actively contribute to their designated functions. Any failure to perform duties shall be documented and may lead to removal in accordance with the SPARKS Enforcement Clause and Binding Financial Clause.

7 BINDING FINANCIAL CLAUSE

1. All financial transactions, including bills, invoices, and sponsorship receipts, must be duly registered and maintained in the official SPARKS financial register.
2. No bill, invoice, or expenditure shall be approved, disbursed, or recorded without the explicit approval of both the Chief Faculty Coordinator and the Deputy Faculty Coordinator.



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3. All bills and invoices must comply with applicable regulations, including presentation of Goods and Services Tax (GST) details where required.
4. Any member responsible for financial oversight who is found to have discrepancies, irregularities, or violations in financial reporting shall be subject to immediate investigation.
5. Discrepancies must be verified with proper documentary evidence. Upon confirmation, the responsible member may be removed from financial duties or from SPARKS membership entirely, at the discretion of the Founding Members and Core Team, through a formal resolution.
6. Financial accountability is mandatory at all times, and all records must be maintained for audit and verification purposes.

8 BINDING FACULTY COORDINATOR CLAUSE

1. The Head of the Department of Mechanical Engineering shall serve as the Chief Faculty Coordinator of SPARKS and hold overall supervisory authority.
2. The Chief Faculty Coordinator shall nominate a faculty member Automation & Robotics from the Department of Mechanical Engineering and Automation to act as Deputy Faculty Coordinator.
3. The Deputy Faculty Coordinator shall assist the Chief Faculty Coordinator at all times, assume full responsibility in the Chief's absence, and ensure continuous coordination of SPARKS activities.
4. Both the Chief and Deputy Faculty Coordinators are charged with enforcing compliance with all SPARKS rules, overseeing operations, and approving all official decisions.
5. In the event of dereliction, failure, or neglect of duties by the Chief Faculty Coordinator or Deputy Faculty Coordinator, the Founding Members, including Core Team Members, are empowered to take corrective action through a formal resolution adopted by a two-thirds majority. Such corrective action may include removal from office or reassignment of responsibilities.
6. Following such a resolution, the Founding Members and Core Team Members shall elect a new Coordinator from among the faculty of the Department of Mechanical Engineering or Automation and Robotics within seven (7) days. The newly elected Coordinator shall assume all supervisory and enforcement responsibilities immediately, and this action shall be binding without requiring concurrence from the Head of Department.



9 BINDING MEMBERSHIP CLAUSES

1. The number of founding members is hereby fixed and shall not be increased.
2. Membership is contingent upon continuous and active participation.
3. Any founding member who fails to discharge responsibilities shall be removed. Removal shall be documented and submitted to the Faculty Coordinator.
4. Absence from meetings and failure to complete assigned tasks shall be strictly recorded. Such records shall be grounds for removal without exception.
5. All members are ordered to maintain discipline, uphold the reputation of SPARKS, and commit fully to its objectives.

10 BINDING STOCK AND INVENTORY CLAUSE

1. All physical assets, equipment, and resources of SPARKS shall be recorded in an official Stock and Inventory Register.
2. The Stock Register shall include item descriptions, quantities, acquisition dates, and current custodians.
3. No item may be issued, moved, or disposed of without the explicit approval of both the Chief and Deputy Faculty Coordinators.
4. Any discrepancies, losses, or misuse of assets must be immediately reported and verified with supporting evidence.
5. Members found responsible for discrepancies or violations in inventory management may be removed from SPARKS or relieved of their duties, at the discretion of the Founding Members and Core Team, through a formal resolution.
6. The Stock and Inventory Register shall be maintained continuously and be available for audit or inspection at any time.

11 BINDING CODE OF CONDUCT CLAUSE

1. All members of SPARKS shall uphold the highest standards of integrity, professionalism, and discipline at all times.
2. Members are expected to act in a manner that preserves and enhances the reputation, mission, and objectives of SPARKS.
3. Any conduct that undermines the society, its members, or its activities shall be deemed a serious violation.
4. Violations of this Code of Conduct shall be documented and addressed promptly by



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the Chief and Deputy Faculty Coordinators.

5. Corrective actions may include formal warnings, suspension of duties, removal from office, or termination of membership, as determined by the Founding Members and Core Team through a formal resolution.

6. Compliance with this Code of Conduct is mandatory and non-negotiable for all members, including elected or appointed officers.

12 BINDING REPORTING CLAUSE

1. All SPARKS teams shall submit comprehensive reports on activities, projects, finances, and inventory management to the Chief and Deputy Faculty Coordinators on a monthly basis.

2. Submitted reports shall be meticulously archived in the official SPARKS records, maintained for audit, inspection, and historical reference.

3. Failure to comply with reporting obligations shall constitute a breach of duty. Members found non-compliant shall be subject to disciplinary measures, including removal from office or termination of membership, as determined by the Founding Members and Core Team through a formal resolution.

4. Reporting compliance is mandatory for all members, and no exception shall be permitted under any circumstances.

13 BINDING CONFLICT RESOLUTION CLAUSE

1. Any dispute, disagreement, or conflict among SPARKS members shall be immediately referred to the Chief and Deputy Faculty Coordinators for mediation and resolution.

2. If the dispute remains unresolved, the Founding Members, together with the Core Team, shall constitute a Resolution Committee empowered to issue a binding and final decision.

3. All decisions rendered under this clause shall be absolute, enforceable, and must be respected and complied with by all members without exception.

4. Compliance with the Resolution Committee's decision is mandatory, and any member failing to adhere shall be subject to disciplinary action, including removal from office or termination of membership.



14 ENFORCEMENT CLAUSE

1. The Faculty Coordinator shall possess ultimate and binding authority to enforce all provisions of this Executive Order, ensuring strict compliance with the objectives, mission, and regulations of SPARKS.
2. The Faculty Coordinator is expressly empowered to:
 1. Suspend, reprimand, or remove any member, officer, or team head for misconduct, negligence, dereliction of duty, or violation of the rule.
 2. Override, nullify, or dissolve any decision, recommendation, or resolution made by the Founding Members, Core Team, or any functional team if such decisions are inconsistent with the objectives, mission, or best interests of SPARKS.
 3. Monitor and enforce adherence to all operational, financial, inventory, reporting, and conduct obligations of SPARKS members.
 4. In the event that SPARKS fails to uphold its mandate or deviates from its objectives, the Initial Founding Members, together with the Chief and Deputy Faculty Coordinators, shall assume full authority over the society. They may, at any time, remove any current member, including officers, and hold them accountable for all matters relating to SPARKS operations, projects, finances, and obligations.
 5. Ensure that a contact register containing up-to-date details of all Initial Founding Members and Faculty Coordinators is maintained at all times, to facilitate communication, accountability, and continuity of governance.
 6. Review and audit all major decisions, financial transactions, inventory management, and reports submitted by teams, with the power to demand revisions, corrective actions, or disciplinary measures as necessary.
 7. Convene emergency meetings with Founding Members and Core Team Members to address critical issues, disputes, or failures in adherence to this Executive Order, with authority to issue binding resolutions.
3. The Faculty Coordinator's authority is supreme within the scope of SPARKS governance and is to be exercised in the interest of the society's integrity, continuity, and mission. All members are bound to comply fully with directives issued by the Faculty Coordinator.
4. All Faculty members shall be governed by the Binding Faculty Coordinator Clause. They are required to fully comply with all duties, responsibilities, and authorities



outlined therein. Any failure to adhere to these provisions shall be deemed a breach of this Executive Order and may result in corrective action, including suspension or removal from their coordinating role as given the above mentioned section.

15 ENVIRONMENTAL SUSTAINABILITY INITIATIVE

1. Sustainable Robotics Development

The SPARKS Robotics Club is committed to integrating environmental responsibility into the design, development, and deployment of robotic systems. We promote sustainable engineering practices that minimize ecological impact while fostering innovation.

2. Energy-Efficient Robotic Systems

Our projects emphasize:

- Development of low-power embedded systems and optimized control algorithms.
- Use of energy-efficient motors, sensors, and microcontrollers.
- Smart power management techniques including sleep modes and adaptive control.

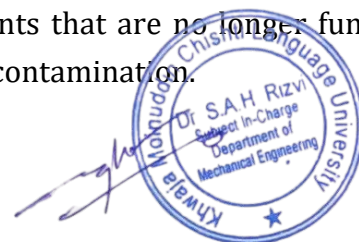
3. Sustainable Material Usage

SPARKS prioritizes responsible material selection by:

- Encouraging the use of recyclable and biodegradable materials where feasible.
- Reusing components from previous projects to reduce electronic waste.
- Promoting modular designs that allow repair and upgrades instead of full replacements.

4. Waste Reduction and E-Waste Management

The club will implement structured e-waste collection and disposal mechanisms in collaboration with certified recycling agencies. Components that are no longer functional will be responsibly recycled to prevent environmental contamination.



5. Green Innovation Projects

SPARKS will actively encourage robotics solutions that contribute to sustainability, including:

- Agricultural automation for efficient resource usage.
- Environmental monitoring robots (air quality, water quality, soil health).
- Smart energy management and renewable energy integration projects.

6. Awareness and Responsible Engineering Culture

Workshops, seminars, and competitions organized by SPARKS will include sessions on sustainable engineering practices, ethical robotics, and environmental responsibility in technology development.

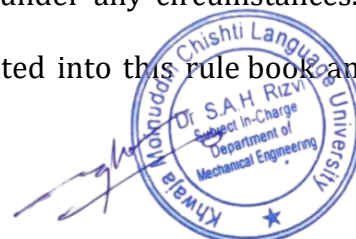
Through conscious innovation and sustainable engineering practices, SPARKS aims to cultivate technically proficient engineers who are equally committed to environmental stewardship and long-term ecological balance.

16 AMENDMENTS

1. This Proposal may be amended only under the following conditions:

1. A written proposal for amendment must be endorsed by at least two-thirds of the Founding Members.
2. All proposed amendments must receive explicit written approval from the Faculty Coordinator.
3. No amendment, modification, or alteration shall dilute, remove, or change any binding clause of SPARKS governance, including, but not limited to, clause binding Membership Clause, membership requirements, Financial Provisions, and Faculty Coordinator provisions. All binding clauses are immutable and shall remain fully effective and enforceable at all times. They cannot be altered, suspended, or circumvented by any resolution, vote, or amendment under any circumstances.

2. Amendments, once approved, shall be incorporated into this rule book and take immediate effect.



SPARKS

EFFECTIVE DATE

This Proposal shall take effect immediately upon issuance and shall remain binding until formally amended as per Section VII.



Issued and Signed,
Department of Mechanical Engineering