



INDIAN INSTITUTE OF
TECHNOLOGY, PATNA

STUDENT TECHNICAL COUNCIL

Formally

Technology Club, IIT Patna

For Courses
BSc/Bba/MTech/MBA

Presented by
TC, Core Committee

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Agenda

03

Introduction

04

Vision

05

Mission

06

Key Objectives

7

Introduction
to Wings

10

Positional
Hierarchy &
Functioning

16 - 18

Participation
Model /
Core Values



What is Student Technical Council?

Student Technical Council is a reimagined and upgraded version of the former Technology Club, established with the vision of creating a centralized, well-structured platform that caters to the diverse academic and professional aspirations of students. Recognizing the need for more specialized focus areas, the Student Technical Council was formed to streamline operations and maximize impact by dividing its responsibilities into three dedicated verticals:

- **DISHA** – This wing focuses on career development, providing students with access to training programs, internships, job assistance, resume-building sessions, and guidance for placements. It acts as a bridge between students and industry opportunities.
- **ARTHNITI** – This entrepreneurship and business cell nurtures future innovators and startup enthusiasts by organizing business case competitions, pitch fests, workshops on business models, and sessions with successful entrepreneurs. It aims to foster a culture of innovation and self-sustenance.
- **TATVA** – The technology-centric wing, TATVA, leads all technical initiatives including hackathons, coding competitions, technical fests, workshops, and collaborative tech projects. It provides a platform for students to explore, learn, and innovate in emerging fields like AI, ML, Web3, and more.

The Student Technical Council functions as the central decision-making and coordination body, ensuring synergy between these wings. It promotes cross-domain collaboration, efficient resource utilization, and a unified approach towards student empowerment. By replacing the traditional club model with this structured body, the Council ensures that student initiatives are not only more impactful but also aligned with real-world trends and career pathways.



Why We Exist

Vision

Our vision is to create a vibrant and inclusive student ecosystem that:

- Promotes active participation from every student, regardless of background or prior experience.
- Fosters a culture of collaboration among various clubs, cells, and teams across the campus.
- Empowers students to take initiative, assume responsibility, and grow into capable leaders.
- Encourages holistic development by supporting both technical and non-technical skills.
- Bridges the gap between academic learning and real-world experience through practical involvement.
- Creates a supportive environment where students feel heard, valued, and inspired.
- Enables innovation and creative freedom by giving space to experiment and express.
- Ensures that every activity, event, and role adds tangible value to a student's overall journey.
- Strives for measurable impact in terms of student engagement, personal growth, and collective progress.

Why We Exist

Mission

Our mission is to:

- Make student participation more accessible and inclusive through structured and transparent systems.
- Provide platforms for students to implement their ideas, develop initiatives, and collaborate across disciplines.
- Develop a clear progression path from volunteer roles to leadership positions within clubs and councils.
- Ensure smooth and accountable operations through defined roles, timelines, and documentation.
- Equip students with essential life and career skills such as leadership, communication, planning, and teamwork.
- Build a mentorship-driven ecosystem where experienced members support and uplift new entrants.
- Encourage continuous feedback, dialogue, and improvement across all teams and structures.
- Align club and council activities with larger institutional goals and long-term student development.
- Create opportunities that not only enrich campus life but also contribute meaningfully to students' personal and professional aspirations.

Key Objectives

Enhance Student Participation

- Increase involvement of students across all clubs and cells by making processes more transparent, welcoming, and opportunity-driven.

Organize Impactful Events and Workshops

- Plan and execute high-quality events, sessions, and workshops that offer practical knowledge, exposure, and real value to attendees.

Promote Interdisciplinary Collaboration

- Encourage clubs and cells to work together across domains, fostering innovation, shared learning, and a unified campus culture.

Develop Leadership and Team-Building Skills

- Provide structured roles, responsibilities, and experiences that help students build confidence, communication, and coordination abilities.

Establish a Long-Term Legacy

- Ensure sustainable club functioning through proper documentation, knowledge transfer, and a strong mentorship culture.

DISHA - Career Growth & Training Cell

DISHA is the dedicated wing of the Student Technical Council that focuses on empowering students with the skills, exposure, and support needed to excel in their professional journey. It serves as a bridge between students and the industry, offering curated opportunities in the form of internships, training programs, certification workshops, and placement assistance.

Through career counseling sessions, resume and LinkedIn optimization drives, mock interviews, and collaborations with companies and startups, DISHA ensures that students are not just academically strong, but also industry-ready. It fosters a growth-oriented mindset by helping students identify their career path early and equipping them with the right tools to pursue it confidently.

Whether it's guiding a fresher towards their first internship or assisting a final-year student with job placements, DISHA stands as a pillar of career support, development, and direction.



Sub Clubs

DISHA will comprise several focused sub-clubs, each dedicated to a specific aspect of career development and student empowerment. These include:

- **Resume & Portfolio Building Club:** Helping students craft impactful resumes, optimize LinkedIn profiles, and build professional portfolios.
- **Mock Interview & Group Discussion Club:** Conducting regular mock interviews, group discussions, and peer feedback sessions to boost confidence and interview skills.
- **Skill Development & Certification Club:** Organizing workshops, training sessions, and facilitating access to industry-recognized certifications.
- **Internship Search & Referral Club:** Assisting students in finding relevant internships, guiding cold-emailing techniques, and building referral networks.
- **Career Guidance & Counselling Club:** Offering personalized mentorship, career path planning, and expert sessions on higher studies and competitive exams.
- **Soft Skills & Communication Club:** Focusing on improving communication, public speaking, professional etiquette, and workplace readiness.
- **Alumni Networking & Mentorship Club:** Connecting current students with alumni for guidance, industry insights, and opportunities.
- **Industry Collaboration & Placement Support Club:** Building partnerships with companies, organizing recruitment drives, and providing placement assistance.

ARTHNITI – Entrepreneurship & Innovation Cell



ARTHNITI is the Student Technical Council's wing dedicated to promoting entrepreneurship and business skills among students. It provides platforms for idea development, mentorship, workshops, and networking to help students transform their innovative ideas into successful ventures. By connecting students with industry experts and resources, ARTHNITI nurtures leadership and drives startup culture on campus. It encourages students to think creatively, take calculated risks, and develop the practical skills needed to launch and sustain their own businesses in a competitive environment.



Sub Clubs

ARTHNITI will comprise several focused sub-clubs, each dedicated to nurturing entrepreneurship, innovation, and business skills among students. These include:

- **Startup Ideation & Validation Club:** Helping students brainstorm, validate, and refine business ideas through workshops and mentorship.
- **Business Model & Strategy Club:** Teaching students how to design sustainable business models, develop strategies, and understand market dynamics.
- **Pitch & Presentation Club:** Organizing pitch practice sessions, investor readiness workshops, and communication skill development.
- **Entrepreneurship Skill Development Club:** Conducting sessions on finance basics, marketing, legal aspects, and operations for startups.
- **Incubation & Mentorship Club:** Connecting budding entrepreneurs with mentors, incubators, and startup ecosystems.
- **Networking & Collaboration Club:** Facilitating partnerships, collaboration with industry experts, and entrepreneur meetups.
- **Funding & Grants Club:** Guiding students on startup funding sources, grant applications, and crowdfunding.
- **Events & Competitions Club:** Managing business plan competitions, hackathons, and entrepreneurship summits.

TATVA – Technology & Research Cell

TATVA is the dedicated wing of the Student Technical Council's that aims to nurture technical expertise and promote a research-oriented mindset among students. It serves as a vibrant platform for students to explore emerging technologies, engage in innovative projects, and develop problem-solving skills through workshops, seminars, hackathons, and collaborative research initiatives.

By bridging the gap between academic learning and real-world technology applications, TATVA connects students with industry experts, researchers, and tech communities. This helps cultivate creativity, critical thinking, and a passion for continuous learning, empowering students to become future-ready technologists and innovators.



Sub Clubs

TATVA will comprise several focused sub-clubs, each dedicated to a key area of technology:

- **WebWizer: Web Development Club:** Hands-on workshops and projects on modern web technologies.
- **Mech-X: Robotics Club:** Building and programming robots through competitions and practical learning.
- **Pixelerate: Design Club:** Training and projects in UI/UX and graphic design skills.
- **Appistry: App Development Club:** Developing mobile apps with coding challenges and workshops.
- **Analytical Arena: Data Analytics & Science Club:** Teaching data analysis, visualization, and interpretation.
- **Synapse: AI, ML & Deep Learning Club:** Exploring AI and machine learning through projects and research.
- **HackShield: Cybersecurity Club:** Promoting ethical hacking and cybersecurity skills.
- **CodeRED: Competitive Programming Club:** Enhancing algorithmic problem-solving via contests and practice.

Core Steering Committee

→ President

Key Responsibilities

1. Lead Senate meetings and guide the team towards achieving goals.
2. Act as the main liaison between students and college administration.
3. Listen to student concerns and work on effective solutions.

→ V. President

Key Responsibilities

1. Assist the President and step in during their absence.
2. Coordinate activities between different wings and teams.
3. Support strategic planning and help ensure smooth operations.

→ G. Secretary

Key Responsibilities

1. Manage official communications and maintain records of meetings.
2. Prepare agendas, minutes, and important documents for the Senate.
3. Ensure effective information flow between the Senate and students.

→ Treasurer

Key Responsibilities

1. Manage and oversee the budget and financial resources.
2. Keep accurate records of all financial transactions.
3. Plan and allocate funds for various student activities and events.

Assisting Positions



Editor in Chief (EIC)

Key Responsibilities

1. Oversee all content creation and ensure quality, consistency, and creativity.
2. Lead the editorial team across all cells and maintain brand voice.
3. Plan, review, and finalize publications, reports, and official communications.

Functional Committee



DISHA Cell Head

Major Responsibilities

- Organize and oversee training programs, internships, and career guidance initiatives for students.
- Coordinate with industry experts and educational partners to bring relevant opportunities.
- Monitor and evaluate the progress of students' skill development activities under DISHA.



ARTHNITI Cell Head

Major Responsibilities

- Lead entrepreneurship and business-related events, workshops, and startup support activities.
- Facilitate connections between student entrepreneurs and potential investors or mentors.
- Encourage innovation and practical learning in financial and business management.



TATVA Cell Head

Major Responsibilities

- Supervise technology-driven projects, hackathons, and research initiatives within the cell.
- Manage and coordinate various tech sub-clubs (web dev, robotics, AI, cybersecurity, etc.).
- Promote skill-building in emerging technologies and organize related workshops and competitions.



Organizational Teams Under STC



1. Event Management Team

- Logistics, planning, venue management
- Scheduling, anchor coordination, audience flow

2. Content & Documentation Team

- Brochures, event reports, internal docs
- Mail drafts, proposals, SOPs, press release material

3. Design Team

- Posters, presentations, merch design, certificates
- Branding consistency across events

4. Marketing & Promotions Team

- Social media, PR, influencer outreach
- Collaborations & page growth

5. Sponsorship & Outreach Team

- Getting sponsors, partner companies & funding
- College/company outreach

6. Technical Team

- Websites, registration portals, live scoreboards, automation
- Backend/frontend support for events

7. Photography & Videography Team

- Photoshoots, reels, after-movies
- Coverage of events, editing & archiving

8. Discipline & Volunteer Management Team

- Volunteer training, duties allotment
- Crowd management, guest support

9. Feedback & Research Team

- Collect participant feedback
- Analyze responses, prepare impact reports
- Suggest future improvements

Standard Internal Structure for Each Team

→ Positions and Descriptions

- **Team Lead** – Overall in-charge, primary decision-maker, responsible for leadership and team management.
- **Associate Lead** – Co-lead who assists in execution, supports leadership, and steps in during the Team Lead's absence.
- **Operational Coordinator** – Handles planning, timeline management, and task distribution across the team.
- **Executive** – Core execution team members who are responsible for completing assigned tasks efficiently.
- **Quality Reviewer** – Conducts the final check, ensuring quality control, proper formatting, and output validation.
- **Extended Roles** - Additional roles may be defined in the future based on the evolving needs of each team. While specific roles have not been finalized yet, the structure will remain flexible to allow for the creation and assignment of new responsibilities as required. If necessary, teams may also be divided into different segments to manage tasks more effectively. All future selections will be carried out by the Core Team and Team Leads through an internal screening or interview process.

→ Internal Working

1. Team Lead
2. Associate Lead
3. Operational Coordinator
4. Executive
5. Extended Roles



Cell & Club Centric Internal Structure

→ Positions and Descriptions

1. **Core Team** – Leads all cells, ensures inter-cell coordination and alignment with overall vision.
2. **Cell Council** – Includes all Club Leads and senior advisors; drives planning, strategy, and cross-club guidance.
3. **Advisory Head** – Provides strategic guidance, mentorship, and ensures alignment with long-term institutional goals.
4. **Club Lead** – Heads a specific club, responsible for vision, team leadership, and major decisions.
5. **Associate Lead** – Supports the Club Lead in execution and steps up when the lead is unavailable.
6. **Operational Coordinator** – Plans activities, manages workflow, and ensures timely execution of tasks.
7. **Quality Reviewer** – Checks final outputs for quality, consistency, and adherence to standards.
8. **Volunteer / Associate** – Supports the team with ground-level work, logistics, and basic tasks.
9. **Optional Roles** – Specialized roles as per club needs and activities.

→ Internal Working

1. **Core Team**
2. **Cell Council**
3. **Club Lead**
4. **Associate Lead**
5. **Operational Coordinator**
6. **Quality Reviewer**
7. **Volunteers**



Student Participation Model

Participation Model (Student Engagement Framework)

1. Open Entry Points

These are the first touchpoints where any student can enter the ecosystem:

- Event Participation (workshops, competitions, talks)
- Open Calls (design, tech, writing, logistics, etc.)
- Orientation & Info Sessions
- Online Forms / Volunteer Recruitment

Focus: Awareness, accessibility & first interaction

2. Volunteer / Contributor Phase

Students begin contributing in small but meaningful ways:

- Event-day support (logistics, registrations, coordination)
- Content creation / designing / social media
- Photography / documentation / editing
- Technical support (website, apps, analytics, etc.)

Focus: Building comfort, ownership, and familiarity with club structure

3. Executive / Core Member Phase

Students take responsibility for planning and execution:

- Lead small teams or sub-tasks under events
- Handle backend logistics and coordination
- Represent club in meetings and planning sessions
- Ideate and initiate smaller independent projects

Focus: Execution, accountability, and skill-building

4. Coordinator / Lead Phase

Students are now capable of managing club or cell functions:

- Take leadership roles (Club Lead, Operational Coordinator, etc.)
- Oversee event pipeline, team management, task delegation

Student Participation Model

- Oversee event pipeline, team management, task delegation
- Represent the club externally (inter-college, sponsors, etc.)
- Mentor juniors and document workflows

Focus: Leadership, communication, long-term thinking

5. Advisory / Council Phase

Senior leaders provide strategic guidance and continuity:

- Act as advisors or Cell Council members
- Review and approve plans, maintain quality standards
- Ensure alignment with long-term vision
- Train upcoming leads and manage transitions

Focus: Vision alignment, legacy, governance

Growth Path / Transition Flow

Participant → Volunteer → Executive → Coordinator → Club Lead → Cell Council / Advisory

Key Principles of the Participation Model

- **Inclusivity First** – Everyone should feel welcome and have access to contribute
- **Skill-Based Growth** – Roles and promotions based on contribution & learning, not popularity
- **Transparent Pathways** – Students should know how to move from one level to the next
- **Mentorship-Driven** – Each level helps the one below it, ensuring sustainability
- **Documentation & Feedback** – Every role involves recording learnings and collecting feedback

Core Values & Work Ethics

1. Student-Centric Mindset

All actions, events, and initiatives are driven with the intention to create value for the student community. Participation, inclusivity, and learning remain our central goals.

2. Collaboration Over Competition

We encourage inter-club coordination, shared goals, and joint efforts over isolated functioning. The strength of our ecosystem lies in unity.

3. Ownership and Accountability

Every member, regardless of role, takes full responsibility for their tasks. We appreciate proactive problem-solving and learning from both successes and failures.

4. Consistency and Commitment

Dedication, discipline, and regular involvement are the foundation of our culture. We value those who show up consistently and stay aligned with the club's objectives.

5. Respect and Inclusivity

We promote a respectful, diverse, and open environment where every voice is heard and appreciated, regardless of background, skill level, or experience.

6. Quality Over Quantity

Whether it's an event, a design, a tech build, or documentation — our focus is on delivering high-quality outcomes that reflect our professionalism and attention to detail.

7. Growth Through Mentorship

We believe in a sustainable model where every student is guided by someone senior and eventually gives back by mentoring others.

8. Transparent Communication

We maintain clear, honest, and timely communication within and across teams. Feedback is welcomed, and decisions are documented.

9. Impact-Driven Execution

Every initiative must have a clear purpose and measurable outcome. Our work is guided by the value it adds to the student experience.

10. Legacy and Continuity

We document our learnings, systems, and experiences to ensure future teams have a solid foundation to build upon — sustaining growth beyond individuals.



Thank You

