



ENTREPRENEURSHIP DEVELOPMENT & INTELLECTUAL PROPERTY

RIGHTS CELL – EDC & IPR CELL

EDC:

The Entrepreneurship Development Cell (EDC) of A.K.T. Memorial College of Engineering and Technology is established with the objective of fostering entrepreneurial mindset, innovation, leadership qualities, and business development skills among students in alignment with the vision and mission of the Institution and the guidelines prescribed by All India Council for Technical Education (AICTE), innovation and entrepreneurship promotion agencies, and other relevant statutory bodies. The EDC promotes entrepreneurship culture among students by encouraging creativity, self-employment, startup initiatives, and industry-oriented innovation activities.

The EDC systematically plans, organizes, and coordinates entrepreneurship development activities such as entrepreneurship awareness programmes, startup mentoring sessions, innovation workshops, business plan competitions, incubation support activities, industry interaction programmes, skill development training, expert lectures, and entrepreneurial motivation programmes. The Cell also encourages students to participate in startup initiatives, innovation challenges, internships, industrial visits, and entrepreneurship development programmes aimed at enhancing problem-solving abilities, leadership qualities, managerial skills, and entrepreneurial competencies.

Further, the EDC maintains records and documentation related to entrepreneurship activities, startup initiatives, innovation programmes, student participation, industry collaborations, and skill development activities conducted by the Institution. The Cell periodically reviews the effectiveness and impact of entrepreneurship development activities and identifies opportunities for promoting innovation, self-employment, startup culture, and industry collaboration. Based on its activities and assessments, the EDC prepares reports and submits recommendations to the Management and the Governing Body of A.K.T. Memorial College of Engineering and Technology for strengthening entrepreneurship development, innovation ecosystem, industry interaction, and holistic student growth across the Institution.

IPR CELL:

The Intellectual Property Rights (IPR) Cell of A.K.T. Memorial College of Engineering



A.K.T MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY

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and Technology is established with the objective of promoting awareness, innovation, creativity, research culture, and protection of intellectual property among students, faculty members, researchers, and innovators in alignment with the vision and mission of the Institution and the guidelines prescribed by relevant statutory and regulatory authorities. The IPR Cell encourages the creation, protection, management, and commercialization of intellectual assets generated through academic, research, innovation, and consultancy activities of the Institution.

The IPR Cell systematically plans, organizes, and coordinates activities such as IPR awareness programmes, patent filing workshops, copyright and trademark awareness sessions, innovation and research seminars, technology transfer initiatives, expert lectures, startup and innovation support activities, and training programmes related to intellectual property protection and management. The Cell also encourages faculty members, students, and researchers to undertake innovative projects, publish research work, file patents, copyrights, trademarks, and design registrations, and participate in research and innovation activities aimed at enhancing the Institution's research and innovation ecosystem.

Further, the IPR Cell maintains records and documentation related to patents, copyrights, trademarks, publications, funded projects, innovations, technology transfer activities, and other intellectual property-related initiatives conducted by the Institution. The Cell periodically reviews the effectiveness and impact of IPR activities and identifies opportunities for strengthening research, innovation, commercialization, and industry collaboration. Based on its activities and assessments, the IPR Cell prepares reports and submits recommendations to the Management and the Governing Body of A.K.T. Memorial College of Engineering and Technology for promoting innovation, research excellence, intellectual property protection, and entrepreneurial development across the Institution.

OBJECTIVES OF EDC:

- To promote entrepreneurial mindset, innovation, creativity, and self-employment opportunities among students and faculty members.
- To encourage students to develop startup ideas, business models, and innovative solutions for societal and industrial needs.
- To organize entrepreneurship awareness programmes, skill development training,



workshops, seminars, and industry interaction activities for enhancing entrepreneurial competencies.

- To provide guidance, mentoring, and support for startup initiatives, business planning, incubation activities, and entrepreneurship development.
- To strengthen collaboration with industries, entrepreneurs, incubation centres, financial institutions, and innovation agencies for promoting entrepreneurship and innovation culture within the Institution.

OBJECTIVES OF IPR CELL:

- To create awareness among students, faculty members, and researchers about Intellectual Property Rights (IPR), innovation, and intellectual asset protection.
- To promote research, innovation, creativity, and technology development activities within the Institution.
- To encourage and support faculty members, students, and researchers in filing patents, copyrights, trademarks, and other intellectual property applications.
- To organize workshops, seminars, training programmes, and awareness activities related to Intellectual Property Rights, patent filing, and technology transfer.
- To strengthen collaboration with industries, research organizations, innovation centres, and patent agencies for promoting research commercialization and innovation ecosystem development.

ROLES AND RESPONSIBILITIES OF EDC:

- To cultivate and promote entrepreneurial mindset, innovation culture, creativity, leadership qualities, and self-employment opportunities among students, faculty members, staff, and aspiring entrepreneurs within the Institution.
- To create awareness about entrepreneurship, startup ecosystem, innovation-driven enterprises, business opportunities, Government startup initiatives, and socio-economic development through various awareness and capacity-building programmes.
- To plan, organize, and coordinate Entrepreneurship Development Programmes (EDPs), workshops, seminars, conferences, Faculty Development Programmes (FDPs), boot camps, expert lectures, motivational sessions, symposiums, and entrepreneurship-



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related events.

- To inspire and educate students and faculty members about entrepreneurship, startup development, innovation management, and business establishment through training and mentoring activities.
- To encourage students and faculty members to develop innovative ideas, business models, prototypes, products, and startup initiatives addressing societal, industrial, and technological challenges.
- To identify students with entrepreneurial potential and provide mentoring, counseling, guidance, and motivational support for converting innovative ideas into successful business ventures.
- To establish, coordinate, and manage incubation support facilities for student startups and innovative entrepreneurial ventures.
- To provide physical infrastructure, workspace, mentoring, technical support, networking opportunities, and incubation assistance for budding entrepreneurs and startup teams.
- To facilitate mentoring support for startup development, business planning, feasibility analysis, market research, financial planning, project proposal preparation, business management practices, and commercialization activities.
- To organize business plan competitions, startup idea contests, innovation challenges, hackathons, product exhibitions, and entrepreneurial talent showcase events to nurture creativity, innovation, and problem-solving skills among students.
- To coordinate entrepreneurship-related skill development programmes focusing on leadership, communication, managerial skills, negotiation abilities, financial literacy, marketing strategies, decision-making, and organizational capabilities.
- To facilitate collaboration and interaction with successful entrepreneurs, startup founders, industrial experts, alumni entrepreneurs, incubation centres, investors, venture capital organizations, and innovation ecosystems.
- To establish linkages with industries, MSMEs, incubation centres, innovation hubs, research organizations, financial institutions, startup ecosystems, and Government agencies for entrepreneurship promotion and industrial collaboration.
- To collaborate with industry partners for mentorship, internships, industrial visits, field



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exposure, and real-world entrepreneurial learning opportunities for aspiring entrepreneurs.

- To encourage students and faculty members to participate in entrepreneurship development schemes, startup competitions, innovation grants, incubation programmes, and Government-sponsored initiatives such as Startup India, MSME schemes, and innovation funding programmes.
- To assist students and startup teams in accessing funding opportunities, seed funding, grants, bank loans, incubation support, angel investments, venture capital support, and other financial resources for entrepreneurial ventures.
- To connect startups and innovators with potential investors, venture capitalists, incubation centres, and Government funding agencies for business growth and commercialization support.
- To support students and faculty members in developing prototypes, innovative products, technology-based solutions, and commercialization opportunities through institutional and external support mechanisms.
- To promote awareness regarding Intellectual Property Rights (IPR), patent filing, innovation protection, technology transfer, startup regulations, business ethics, and product commercialization related to entrepreneurial activities.
- To encourage multidisciplinary and interdisciplinary innovation projects addressing real-time industrial, societal, environmental, and technological needs.
- To engage with the local community and promote entrepreneurship as a means for socio-economic development, employment generation, innovation, and sustainable growth.
- To collaborate with various institutional cells, departments, professional societies, Research and Development Cell, Industry Interaction Cell, Innovation Cell, incubation centres, and innovation councils for strengthening the entrepreneurship ecosystem of the Institution.
- To organize awareness programmes on Government policies, startup regulations, sustainability practices, emerging technologies, and entrepreneurship opportunities in various sectors.
- To maintain records and documentation related to entrepreneurship activities, startup



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initiatives, innovation projects, incubation activities, industry collaborations, student participation, funding support, and entrepreneurial achievements of the Institution.

- To monitor the progress, performance, and impact of startup initiatives, entrepreneurial activities, incubation support programmes, and innovation projects undertaken by students and faculty members.
- To prepare annual reports, activity reports, utilization records, and supporting documents related to entrepreneurship development activities and submit them to the Institution Management and concerned authorities.
- To support the Institution in achieving innovation, entrepreneurship, incubation, employability, startup promotion, industry interaction, and accreditation-related quality objectives.
- To periodically review the effectiveness and impact of entrepreneurship development activities and recommend suitable measures for continuous improvement and sustainable entrepreneurial growth within the Institution.

ROLES AND RESPONSIBILITIES OF IPR CELL:

- To promote awareness and understanding of Intellectual Property Rights (IPR) among students, faculty members, researchers, innovators, and staff members of the Institution.
- To create awareness regarding various forms of intellectual property such as patents, copyrights, trademarks, industrial designs, geographical indications, trade secrets, and other intellectual assets.
- To encourage and foster a culture of research, innovation, creativity, product development, technology-based problem solving, and innovation-driven entrepreneurship within the Institution.
- To plan, organize, and coordinate IPR awareness programmes, workshops, seminars, conferences, Faculty Development Programmes (FDPs), expert lectures, training programmes, and awareness campaigns related to intellectual property protection and management.
- To motivate and guide students, faculty members, innovators, and researchers in identifying innovative ideas, inventions, research outcomes, and creative works suitable



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for intellectual property protection and commercialization.

- To provide guidance and technical support for patent search, prior art search, patent drafting, patent filing, copyright registration, trademark registration, design registration, and other IPR-related procedures.
- To facilitate the filing, prosecution, maintenance, and monitoring of patents, copyrights, trademarks, industrial designs, and other intellectual property rights arising from research, consultancy, innovation, and academic activities of the Institution.
- To assist innovators and researchers in maintaining confidentiality and protecting intellectual assets generated through academic, research, consultancy, collaborative, and sponsored projects.
- To coordinate with patent attorneys, IPR consultants, legal experts, innovation agencies, Government organizations, and research bodies for effective implementation of IPR-related activities and legal compliance.
- To develop, recommend, and implement institutional policies, guidelines, and procedures related to intellectual property ownership, technology transfer, licensing, revenue sharing, innovation protection, and commercialization activities.
- To manage and maintain the Institution's intellectual property portfolio, including patents, copyrights, trademarks, publications, innovations, funded projects, technology transfers, and related intellectual assets.
- To identify inventions, innovations, creative works, and research outputs developed by faculty members, students, and researchers and assess their potential for commercialization, licensing, startup development, and industrial applications.
- To conduct periodic audits and reviews of the Institution's intellectual property portfolio to evaluate its value, commercialization potential, impact, and opportunities for further development.
- To encourage faculty members and students to undertake innovative projects, applied research, interdisciplinary research, industry-oriented research, and product development activities leading to intellectual property generation.
- To support technology transfer, commercialization of innovations, startup initiatives, incubation activities, prototype development, and industry collaboration based on intellectual property generated within the Institution.



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- To promote collaboration with industries, research laboratories, incubation centres, innovation hubs, professional bodies, Government agencies, and academic institutions for strengthening the research, innovation, and IPR ecosystem.
- To create awareness about Government schemes, innovation grants, startup support programmes, funding opportunities, incentives, and policies related to IPR, innovation, and entrepreneurship.
- To encourage ethical research practices, academic integrity, plagiarism prevention, responsible use of intellectual property, and adherence to research ethics within the Institution.
- To organize innovation expos, project exhibitions, competitions, idea presentation events, patent showcases, and innovation challenges to promote creativity, innovation, and intellectual contributions among students and faculty members.
- To collaborate with the Entrepreneurship Development Cell (EDC), Innovation Cell, Incubation Centre, Research and Development Cell, Industry Interaction Cell, and other institutional bodies for promoting innovation-driven entrepreneurship and technology commercialization.
- To maintain systematic records and documentation related to patents, copyrights, trademarks, publications, innovations, funded projects, commercialization activities, and technology transfer initiatives of the Institution.
- To monitor the status and progress of patent applications, granted patents, copyrights, trademarks, licensing activities, and other intellectual property assets of the Institution.
- To prepare annual reports, activity reports, utilization records, audit reports, and supporting documents related to IPR activities and submit them to the Institution Management and concerned authorities.
- To support the Institution in achieving research, innovation, incubation, entrepreneurship, technology transfer, and accreditation objectives in alignment with statutory and quality assurance requirements.
- To periodically review the effectiveness and impact of IPR activities and recommend suitable measures for strengthening innovation, intellectual property generation, research commercialization, and institutional research excellence.



COMPOSITION OF EDC:

The following members, along with the nominees representing the Management, Academic Administration, Departments, Faculty Members, Industry Experts, Entrepreneurs, Alumni, Startup Mentors, Students, and other stakeholders, are hereby designated as members of the Entrepreneurship Development Cell (EDC) of A.K.T. Memorial College of Engineering and Technology for the effective planning, organization, implementation, monitoring, and continuous improvement of entrepreneurship development activities, innovation initiatives, startup promotion programmes, industry interaction activities, and skill development initiatives in accordance with the guidelines of All India Council for Technical Education (AICTE), entrepreneurship promotion agencies, innovation support organizations, and the objectives of the Institution.

COMPOSITION OF IPR CELL:

The following members, along with the nominees representing the Management, Academic Administration, Departments, Faculty Members, Researchers, Innovation and Startup Ecosystem Representatives, Industry Experts, Legal/IPR Professionals, Students, and other stakeholders, are hereby designated as members of the Intellectual Property Rights (IPR) Cell of A.K.T. Memorial College of Engineering and Technology for the effective planning, organization, implementation, monitoring, and continuous improvement of intellectual property awareness, research promotion, innovation management, patent facilitation, technology transfer, and intellectual asset protection activities in accordance with the guidelines of relevant statutory authorities, innovation agencies, IPR regulatory frameworks, and the objectives of the Institution.

Sl. No.	Name	Role	Designation
1.	Dr. T.S. Sivakumaran	Chairperson	Principal
2.	Mr. K. Meyyanathan	Member	Advocate
3.	Mr. P. Ramachandaran	Member	AO – Office
4.	Mr. A. Balamurgan	Convener	AP – Mech
5.	Mr. S. Gulasekarapandiyan	Member	AP – Civil
6.	Mrs. P. Kamatchi	Member	AP – CSE



7.	Mr. A. Silambarasan	Member	AP – ECE
8.	Mr. J. Dhamodharan	Member	AP – EEE
9.	Mrs. T. Aruna	Member	AP – IT
10.	Mrs. T. Pradebha	Member	AP – AIDS
11.	Dr. K.Seenuvasan	Member	AP – S&H

EXPECTED OUTCOMES OF EDC:

- Enhanced entrepreneurial mindset, innovation culture, creativity, and self-employment orientation among students and faculty members.
- Increased participation of students and faculty members in entrepreneurship development programmes, startup initiatives, innovation challenges, and business competitions.
- Development of innovative business ideas, prototypes, startup ventures, and technology-based solutions addressing societal and industrial needs.
- Improved leadership, communication, managerial, financial, and decision-making skills among students through entrepreneurship and skill development activities.
- Strengthened collaboration with industries, entrepreneurs, incubation centres, investors, Government agencies, and startup ecosystems for entrepreneurial growth and industry interaction.
- Increased awareness and utilization of Government startup schemes, innovation grants, incubation support, and funding opportunities among students and aspiring entrepreneurs.
- Establishment and effective utilization of incubation support systems for mentoring and nurturing student startups and entrepreneurial ventures.
- Enhanced employability, startup creation, innovation capabilities, and entrepreneurial competencies among students and faculty members.
- Promotion of interdisciplinary innovation, research commercialization, and industry-oriented entrepreneurial activities within the Institution.
- Contribution towards institutional growth in the areas of innovation, entrepreneurship, incubation, startup development, industry collaboration, and accreditation-related quality enhancement.



EXPECTED OUTCOMES OF IPR CELL:

- Increased awareness and understanding of Intellectual Property Rights (IPR) among students, faculty members, researchers, and innovators within the Institution.
- Enhanced research, innovation, creativity, and technology development activities leading to intellectual property generation and knowledge creation.
- Increased number of patents, copyrights, trademarks, design registrations, research publications, and other intellectual property filings by students and faculty members.
- Improved participation of students and faculty members in research, innovation, product development, and technology commercialization activities.
- Strengthened culture of ethical research practices, academic integrity, plagiarism prevention, and responsible use of intellectual property within the Institution.
- Enhanced collaboration with industries, research organizations, incubation centres, innovation agencies, and professional bodies for research and innovation development.
- Increased awareness and utilization of Government schemes, innovation grants, startup support programmes, and funding opportunities related to IPR and innovation activities.
- Development of innovative products, prototypes, startups, and technology-based solutions through effective intellectual property protection and commercialization support.
- Strengthened institutional intellectual property portfolio through systematic documentation, monitoring, protection, and management of intellectual assets.
- Contribution towards institutional excellence in research, innovation, entrepreneurship, technology transfer, incubation, and accreditation-related quality enhancement activities.

SDG MAPPING FOR EDC:

The activities and initiatives of the Entrepreneurship Development Cell (EDC) are aligned with the following United Nations Sustainable Development Goals (SDGs):



SDG	SDG Title	EDC Contribution
SDG 4	Quality Education	Promotes entrepreneurial education, skill development, innovation, leadership training, and experiential learning among students.
SDG 8	Decent Work and Economic Growth	Encourages entrepreneurship, startup development, self-employment, employability enhancement, and job creation initiatives.
SDG 9	Industry, Innovation and Infrastructure	Supports innovation, startup ecosystem development, incubation activities, research commercialization, and industry collaboration.
SDG 10	Reduced Inequalities	Provides equal opportunities for students from diverse backgrounds to participate in entrepreneurship and innovation activities.
SDG 11	Sustainable Cities and Communities	Encourages innovative and sustainable entrepreneurial solutions addressing societal and community development challenges.
SDG 12	Responsible Consumption and Production	Promotes sustainable business practices, responsible innovation, green entrepreneurship, and resource-efficient technologies.
SDG 17	Partnerships for the Goals	Strengthens collaboration with industries, entrepreneurs, incubation centres, financial institutions, Government agencies, and innovation ecosystems for entrepreneurship development.

SDG MAPPING FOR IPR CELL:

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