



## Evidence(s)

### THE-Impact Ranking



**HEI: TRIDENT ACADEMY OF TECHNOLOGY**

**COUNTRY: INDIA**

**WEBSITE: <https://tat.ac.in/activities/>**

**SDG 9: Industry, Innovation and Infrastructure**

The Trident Academy of Technology has established an Institution's Innovation Council (IIC) to promote a culture of innovation, entrepreneurship, and sustainability on campus. This council, aligned with the guidelines of the Ministry of Education's Innovation Cell (MIC), encourages students and faculty to develop innovative solutions that address real-world challenges, with a strong emphasis on sustainability. Through workshops, hackathons, and ideation sessions, IIC fosters critical thinking and problem-solving skills that are essential for sustainable development. This initiative not only supports the Sustainable Development Goals (SDGs) but also enhances the institution's commitment to creating a green, innovative campus.

The Ministry of Education, Govt of India, Through Innovation cell (MIC) launched the Institutions Innovation Council (IIC) programme in collaboration with AICTE for Higher of educational Institutions(HEIs) to systematically foster culture of innovation an startup ecosystem in educational institutions. Following Moes an MICs Guidelines, Trident Academy of Technology has constitute Trient Academy of Technology Institution Innovation Council (TAT IIC) an has involved large number of faculty , staffs an students in various innovation an entrepreneurship relate activities such as ideation, problem solving, proof of concept development , design thinking, IPR, Project handling an management at Pre incubation an Incubation stage. As per the norms of MoE an MIC the institute has constitute a TAT Institution Innovation Council to implement the various activities.

<b>Roles</b>	<b>Name and details</b>	<b>Dept</b>	<b>Designation</b>
President	Deba.Narayan.Pattanayak		Principal
Vice President	Dr. Sakuntala Mohapatra	School of Engg	DEan- School of Engg
Convener	Dr. Manas Ranjan Chowhury	MBA	Assoc Prof
Innovation Activity Coordinator	Er. S.K.M Ali	ETC	Asst. Prof
Internship Activity Coordinator	Shri Nani Gopal Das	Placement	Director
Startup Activity Coordinator	Dr. Arup Sarkar	Biotech	Prof
IPR Activity Coordinator	Dr. Millee Panigrahi	ETC	Ho ETC
Social Meia	Shri Sumanta Sahoo	MCA	Asst Prof
ARIIA Coordinator	Shri Kaustuv eb	MCA	HoD-MCA
NIRF Coordinator	Shri Biswaranjan Nanad	MCA	Asst Prof
Member	Mrs Arpita Nibeita	CST	HoD CST
Member	Er Biswajit Nayak	CIV	Asst Prof
Member	Dr. Diptimayee Sahoo	MBA	Assoc Prof
Member	Er. Mohini Prasa Mishra	Ata Science	HoD Data Science



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Member	Er. Ashis ku Barik	Mech	Asst. Prof
Member	Er. Satya Sunar Mishra	Electrical	Asst. Prof
Member	Er Shuvendra Tripathy	ETC	Asst. Prof
Member	Shri Bimal Mohapatra	MBA	Asst. Prof



### List of Patents filed by our Staff

Sl. No.	Patent Application No.	Inventor Name	Title of the Patent	Details
1	201931026396	Dr. Manas Ranjan Senapati	MOLECULARLY IMPRINTED POLYMER AND A METHOD THEREOF FOR SELECTIVE REMOVAL OF NAPHTHALENE SULPHONATES	<a href="https://drive.google.com/file/d/1lvF8_GvJENIXBYyMB5yls40Z4xy7899E/view?usp=sharing">https://drive.google.com/file/d/1lvF8_GvJENIXBYyMB5yls40Z4xy7899E/view?usp=sharing</a>
2	201931026396	Dr. Sanjita Mohanty	MOLECULARLY IMPRINTED POLYMER AND A METHOD THEREOF FOR SELECTIVE REMOVAL OF NAPHTHALENE SULPHONATES	<a href="https://drive.google.com/file/d/1lvF8_GvJENIXBYyMB5yls40Z4xy7899E/view?usp=sharing">https://drive.google.com/file/d/1lvF8_GvJENIXBYyMB5yls40Z4xy7899E/view?usp=sharing</a>
3	L-88761/2020	SHUVENDRA KU TRIPATHY	A NOVEL IOT BASED BABY SWING MONITORING, ALERT AND SECURITY SYSTEM	<a href="https://drive.google.com/file/d/1uRMyyT8fPE3ecfJoRaXK0y0YFJ3S6jyO/view?usp=sharing">https://drive.google.com/file/d/1uRMyyT8fPE3ecfJoRaXK0y0YFJ3S6jyO/view?usp=sharing</a>



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4	20204100 1994	Dr. Manas Ranjan Senapati	BLOOD GLUCOSE LEVEL DETECTION : NOTIFICATION BLOOD GLUCOSE LEVEL USING INFRARED SIGNAL	<a href="https://drive.google.com/file/d/1ffOh54gzU-z8rYo1L1cveVa-z0aomPID/view?usp=sharing">https://drive.google.com/file/d/1ffOh54gzU-z8rYo1L1cveVa-z0aomPID/view?usp=sharing</a>
5	20202100 2674	Dr. Manas Ranjan Senapati	IAD-SYSTEM: INTELLIGENT ALCOHOL LEVEL DETECTION AND NOTIFICATION SYSTEM	<a href="https://drive.google.com/file/d/1v5htIzX50bVDRYgZrAUAFNuevXNk0d8/view?usp=sharing">https://drive.google.com/file/d/1v5htIzX50bVDRYgZrAUAFNuevXNk0d8/view?usp=sharing</a>
6	20204101 5034	DAKSHYA PRASAD PATI	METHOD FOR EFFECTIVE CUSTOMER ENGAGEMENT USING MULTI-LAYERED FEED FORWARD NEURAL NETWORK AND FUZZY LOGIC	<a href="https://drive.google.com/file/d/1FGng6nb0DAgH6B700KFfc5Wip2KCgSgr/view?usp=sharing">https://drive.google.com/file/d/1FGng6nb0DAgH6B700KFfc5Wip2KCgSgr/view?usp=sharing</a>
7	20204101 5034	MANAS RANJAN CHOWDHURY	METHOD FOR EFFECTIVE CUSTOMER ENGAGEMENT USING MULTI-LAYERED FEED FORWARD NEURAL NETWORK AND FUZZY LOGIC	<a href="https://drive.google.com/file/d/1FGng6nb0DAgH6B700KFfc5Wip2KCgSgr/view?usp=sharing">https://drive.google.com/file/d/1FGng6nb0DAgH6B700KFfc5Wip2KCgSgr/view?usp=sharing</a>
8	20204102 9533	AKSHAYA KUMAR DASH	NEURAL-NETWORK BASED METHOD FOR DATA PARTITIONING AND PARAMETER LEARNING USING FUZZY TERM IDENTIFICATION	<a href="https://drive.google.com/file/d/1OqYZq02uRSaVUs0al33NG31sEyEdShP/view?usp=sharing">https://drive.google.com/file/d/1OqYZq02uRSaVUs0al33NG31sEyEdShP/view?usp=sharing</a>
9	20204102 9533	DAKSHYA PRASAD PATI	NEURAL-NETWORK BASED METHOD FOR DATA PARTITIONING AND PARAMETER LEARNING USING FUZZY TERM IDENTIFICATION	<a href="https://drive.google.com/file/d/1OqYZq02uRSaVUs0al33NG31sEyEdShP/view?usp=sharing">https://drive.google.com/file/d/1OqYZq02uRSaVUs0al33NG31sEyEdShP/view?usp=sharing</a>
10	20204102 9533	MANAS RANJAN CHOWDHURY	NEURAL-NETWORK BASED METHOD FOR DATA PARTITIONING AND PARAMETER LEARNING USING FUZZY TERM IDENTIFICATION	<a href="https://drive.google.com/file/d/1OqYZq02uRSaVUs0al33NG31sEyEdShP/view?usp=sharing">https://drive.google.com/file/d/1OqYZq02uRSaVUs0al33NG31sEyEdShP/view?usp=sharing</a>
11	20203104 8659	Lohit Kumar Sahoo	IOT ENABLED AND TIMELY REMIINDER SMART MEDICINE BOX	<a href="https://drive.google.com/file/d/15AfbD69CaaxPlwxH_YbhTSqWnvC-ukWt/view?usp=sharing">https://drive.google.com/file/d/15AfbD69CaaxPlwxH_YbhTSqWnvC-ukWt/view?usp=sharing</a>



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12	20203104 8659	Mir Manjur Elahi	IOT ENABLED AND TIMELY REMINDER SMART MEDICINE BOX	<a href="https://drive.google.com/file/d/15AfbD69CaaxPlwxH_YbhTSqWnvC-ukWt/view?usp=sharing">https://drive.google.com/file/d/15AfbD69CaaxPlwxH_YbhTSqWnvC-ukWt/view?usp=sharing</a>
13	20203104 8659	Mohamme d Nadeem Iqbal	IOT ENABLED AND TIMELY REMINDER SMART MEDICINE BOX	<a href="https://drive.google.com/file/d/15AfbD69CaaxPlwxH_YbhTSqWnvC-ukWt/view?usp=sharing">https://drive.google.com/file/d/15AfbD69CaaxPlwxH_YbhTSqWnvC-ukWt/view?usp=sharing</a>
14	20203104 8659	Smrutirekh a Mahanta	IOT ENABLED AND TIMELY REMINDER SMART MEDICINE BOX	<a href="https://drive.google.com/file/d/15AfbD69CaaxPlwxH_YbhTSqWnvC-ukWt/view?usp=sharing">https://drive.google.com/file/d/15AfbD69CaaxPlwxH_YbhTSqWnvC-ukWt/view?usp=sharing</a>
15	20211003 14	AKSHAYA KUMAR DASH	SYSTEM FOR ISSUE ALERT OF SECURITY BREACH USING MACHINE LEARNING AND FUZZY LOGIC	<a href="https://drive.google.com/file/d/1ZuhYHbDbnfLnIHcdTOU8k4ZK5xgFbDr0/view?usp=sharing">https://drive.google.com/file/d/1ZuhYHbDbnfLnIHcdTOU8k4ZK5xgFbDr0/view?usp=sharing</a>
16	20211003 14	DAKSHYA PRASAD PATI	SYSTEM FOR ISSUE ALERT OF SECURITY BREACH USING MACHINE LEARNING AND FUZZY LOGIC	<a href="https://drive.google.com/file/d/1ZuhYHbDbnfLnIHcdTOU8k4ZK5xgFbDr0/view?usp=sharing">https://drive.google.com/file/d/1ZuhYHbDbnfLnIHcdTOU8k4ZK5xgFbDr0/view?usp=sharing</a>
17	20211003 14	MANAS RANJAN CHOWDHU RY	SYSTEM FOR ISSUE ALERT OF SECURITY BREACH USING MACHINE LEARNING AND FUZZY LOGIC	<a href="https://drive.google.com/file/d/1ZuhYHbDbnfLnIHcdTOU8k4ZK5xgFbDr0/view?usp=sharing">https://drive.google.com/file/d/1ZuhYHbDbnfLnIHcdTOU8k4ZK5xgFbDr0/view?usp=sharing</a>
18	20213100 7726	Lohit Kumar Sahoo	FUZZY LOGIC BASED FAULT CURRENT PREDICTION IN DOUBLE FED INDUCTION GENERATOR WIND TURBINE	<a href="https://drive.google.com/file/d/1rhoz0ExteP3G8PW_4Ifcd-9WAEcdH27O/view?usp=sharing">https://drive.google.com/file/d/1rhoz0ExteP3G8PW_4Ifcd-9WAEcdH27O/view?usp=sharing</a>
19	20211027 81	Lohit Kumar Sahoo	A System for Fault Analysis of PI And Fuzzy Logic Controlled DFIG-Based Grid Connected Wind Energy Conversion System	<a href="https://drive.google.com/file/d/1dDdo8QmJaGx6YvbnTp74RYKtUEzrpUxC/view?usp=sharing">https://drive.google.com/file/d/1dDdo8QmJaGx6YvbnTp74RYKtUEzrpUxC/view?usp=sharing</a>



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20	20214102 7526	Dr. Sakuntala Mahapatra	DESIGNING AN ELECTRIC CIRCUIT BY USING A NEURAL NETWORK WITH BAYESIAN INFERENCE TO SELECT SUB-ROUTES FOR CONNECTING ELEMENTS	<a href="https://drive.google.com/file/d/13EA7fZgsDLapEFbH7EIHz9MCc6BS_RPQ/view?usp=sharing">https://drive.google.com/file/d/13EA7fZgsDLapEFbH7EIHz9MCc6BS_RPQ/view?usp=sharing</a>
21	20211040 17	Dr. Sakuntala Mahapatra	INTELLIGENT CIRCUIT ENABLE ELECTRONIC PORTABLE APPARATUS FOR MEDICINE REMINDER	<a href="https://drive.google.com/file/d/1u85Vu1tJX_xulMunx4UTXCgUXZYsu1I2/view?usp=sharing">https://drive.google.com/file/d/1u85Vu1tJX_xulMunx4UTXCgUXZYsu1I2/view?usp=sharing</a>
22	20211041 17	AKSHAYA KUMAR DASH	Method of Coastal Communication and Response System during Tropical Cyclone using Mobile Ad-hoc Network	<a href="https://drive.google.com/file/d/1sBFTXsIUtxv0r-A2fj1Ud6OWm8xBusQ1/view?usp=sharing">https://drive.google.com/file/d/1sBFTXsIUtxv0r-A2fj1Ud6OWm8xBusQ1/view?usp=sharing</a>
23	20211041 17	DAKSHYA PRASAD PATI	Method of Coastal Communication and Response System during Tropical Cyclone using Mobile Ad-hoc Network	<a href="https://drive.google.com/file/d/1sBFTXsIUtxv0r-A2fj1Ud6OWm8xBusQ1/view?usp=sharing">https://drive.google.com/file/d/1sBFTXsIUtxv0r-A2fj1Ud6OWm8xBusQ1/view?usp=sharing</a>
24	20211041 17	MANAS RANJAN CHOWDHURY	Method of Coastal Communication and Response System during Tropical Cyclone using Mobile Ad-hoc Network	<a href="https://drive.google.com/file/d/1sBFTXsIUtxv0r-A2fj1Ud6OWm8xBusQ1/view?usp=sharing">https://drive.google.com/file/d/1sBFTXsIUtxv0r-A2fj1Ud6OWm8xBusQ1/view?usp=sharing</a>
25	20211070 39	MANAS RANJAN CHOWDHURY	AUTONOMOUS QoS BASED CATASTROPHIC DISASTER COMMUNICATION SYSTEM IN MOBILE AD HOC NETWORK USING ANT COLONY OPTIMIZATION	<a href="https://drive.google.com/file/d/10mRio76IJD29mPsPhLapvBc7QIz8Cmjw/view?usp=sharing">https://drive.google.com/file/d/10mRio76IJD29mPsPhLapvBc7QIz8Cmjw/view?usp=sharing</a>
26	20211040 45	Dr. Sakuntala Mahapatra	FAILURE NODES DETECTION AND RECOVERY SYSTEM IN CLOUD COMPUTING TO IMPROVE RESOURCES RELIABILITY	<a href="https://drive.google.com/file/d/17w0gV_hGN56Uh9zFZ6BoBs4ZuSx1glVv/view?usp=sharing">https://drive.google.com/file/d/17w0gV_hGN56Uh9zFZ6BoBs4ZuSx1glVv/view?usp=sharing</a>



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27	348759-001	MANAS RANJAN CHOWDHURY	A VERTEBRAL AUGMENTATION NEEDLE ASSEMBLY	<a href="https://drive.google.com/file/d/1v-Q0q8edOnCli_jlrFx6iT3NpYu_2_2S/view?usp=sharing">https://drive.google.com/file/d/1v-Q0q8edOnCli_jlrFx6iT3NpYu_2_2S/view?usp=sharing</a>
28	L-109003/2021	SHUVENDRA KUMAR TRIPATHY	AN IOT SECURITY BASED E-PARKING FRAMEWORK FOR SMART CITY APPLICATION	<a href="https://drive.google.com/file/d/1BR3vxAg3F9JoA-IFcl8Y75czSauibEXs/view?usp=sharing">https://drive.google.com/file/d/1BR3vxAg3F9JoA-IFcl8Y75czSauibEXs/view?usp=sharing</a>
29	349737-001	Diptiranjan Panda	Fire extinguisher bracket and roll bar Mount assembly	<a href="https://drive.google.com/file/d/1WehB3O39X-xbU5Y1_dofxPi_6gDBdGp5/view?usp=sharing">https://drive.google.com/file/d/1WehB3O39X-xbU5Y1_dofxPi_6gDBdGp5/view?usp=sharing</a>



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#### Total no. of startups by our Students

Sl. No	Incubatee Startup Name	Startup Name/ Contact details	Other Details
1	Sarvesh Pathak	Bring my Food <a href="http://www.bringmyfood.in">www.bringmyfood.in</a> 9439080490	It is an online food ordering portal for delivering food in Bhubaneswar city.
2	Pritam Ku Behera	Tetratrion Technologies Pvt Ltd <a href="http://www.tetratrion.com">www.tetratrion.com</a> 6370550145	Provides web design and application services, AI/ML solutions, ecom development, Data Science and Analytics etc
3	Soumya Ranjan Mangaraj	BCure Brundaban Health Hub Pvt Ltd <a href="http://www.bcure.co.in">www.bcure.co.in</a> 9348910702	Provides online personalized and comprehensive Healthcare services
4	Shashank Agarwal	Desitech Tirustore Pvt Ltd <a href="http://www.desitech.co.in">www.desitech.co.in</a> 8908508600	Desitech is an e-commerce specializes in online sale, Offline stores, distribution and supply of mobile accessories
5	Ajit Kumar Gouda	NoCGPA <a href="http://www.nocgpa.com">www.nocgpa.com</a> 7789865106	An learning Platform which provides training on software development and software testing
6	Chandrakant Haran Singh	Digiswift <a href="http://www.thedigiswift.com">www.thedigiswift.com</a> 7609924157	Digital Marketing promotional activities
7	Chandrakant Haransingh	Rent It Now <a href="http://www.rentitnow.co.in">www.rentitnow.co.in</a> 7609924157	Subscription based solutions for businesses
8	Subham Routray	Prime Caves <a href="http://www.primecaves.com">www.primecaves.com</a> 7008105210	Engaged in development of Society management applications
9	Haraprasad Pradhan	Agrodyaan Pvt Ltd <a href="http://www.agrodyaan.com">www.agrodyaan.com</a>	Mushroom seeds making, cultivation and value addition.
10	Piyush Singh	FIXXLINK Pvt Ltd <a href="http://www.sign-bridge.in">www.sign-bridge.in</a> 8598855750	FIXXLINK working for creating a bridge between the hearing and the deaf and mute communities