

AMRITA SAI INSTITUTE OF SCIENCE & TECHNOLOGY

Accredited by NAAC with "A" grade



Autonomous Institution

Amrita Sai Institute of Science & Technology

*Approved by AICTE, New Delhi; Permanently Affiliated to JNTUK, Kakinada ISO
9001:2015 Certified Institution; Accredited by NAAC with "A" grade Recognized by
UGC under 2(f) and 12(B) of UGC 1956 Act*

Amrita Sai Nagar, Paritala, Krishna District

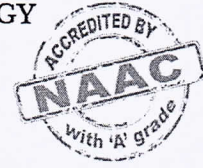
Andhra Pradesh – 521 180

www.amritasai.org.in, 0866-2428399



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(AUTONOMOUS)

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Paritala, Kanchikacherla, Krishna Dist, Andhra Pradesh- 521180.
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IIC Cell

Introduction: We the "Amrita Sai Institute of science and Technology" going to launch IIC in 2021, June. This Cell is going to perform the following:

- It will have a closer interaction between the academic field and professional field.
- It can have a close links with the various industries, to fill the gap needed to the industry and the end product (student) of the institute.

Objective: To help the industries to solve their problems through research, training and even through consultancy (giving some sort of suggestions and guidance) and provide ample opportunities for the students through industrial exposure by means of Internships, training and also for the faculty in development of their skills through upgradation and reroute the growth of the institute.

Function of IIC

- Give industrial exposure to the students and faculty, so that they can enhance their knowledge as per the industry requirements.
- Need to organize workshops, conferences in collaboration with the industries.
- Invite various subject experts / industry experts to fill the gap in academic curriculum.
- Industrial visits- make the faculty and students to visit various industries and let the students / faculty enhance the knowledge and also skills.
- To organize in house trainings for the students through the industries.
- Thus creating, design and development of projects in collaboration with the industries in the institute.
- Placing the students in various companies and industries through Training and Placement Cell.
- Obtaining MOUs between various industries will make closer and can move together.


Principal

PRINCIPAL

Amrita Sai Institute of Science and Technology
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Krishna Dist 521 180



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INSTITUTION INNOVATION CELL

IDEATHON (BUSINESS PLAN COMPETITIONS)

A one-day innovative technical presentation event named "IDEATHON-2021 and 2022 has been organised by the institution innovation cell at amrita sai institute of science and technology

The main intensions are to catalyst and enhance innovative ideas in various disciplined students of ASIST on various areas.

Name of the event : IDEATHON 2021 and 2022
Organized by : institution innovation cell
Place of event : CSE Seminar hall (first floor)

Objective of the Event: An ideathon is a short, intensive, brainstorming event to help young talents generate fresh solutions to existing challenges in their communities. Participants work in teams and use innovative ideation practices such as design thinking to brainstorm on possible solutions. Ideathon helps to engage potential Stakeholders from Academia, Government and Private Sector in the Lab Ecosystem. The main aim of the Ideathon is to develop Innovative skills in students. The Ideathon aims to bring together innovative academicians, researchers and industry to join hands for research development.

About the Program/Event: Ideathon is a unique and transformational leadership programme providing a creative space for leaders to generate ideas that can change people's lives and explore how to lead collaboration in their own organisations. Participants learn about collaborative leadership with peers from other organisations through a live experience of collaboration. During this event, they create fresh ideas to solve real business challenges, presenting back the best of their thinking at the end. They learn practical tools and techniques, develop their own skills and behaviours and have the opportunity to network with leaders from different organizations.



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Paritala, Kanchikacherala (MD), NTR(DT).AP, India-521180



IDEATHON

An Innovative Idea Contest for Youth 2022



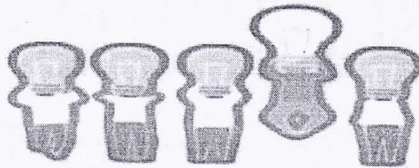
SOLVE REAL-WORLD PROBLEMS COLLABORATIVELY

2022

Submit your ideas:

Product
Business Plan
Start-up plan
Final year project
Mobile apps

Participate in the campaign for
better society and share your idea to
win the competition

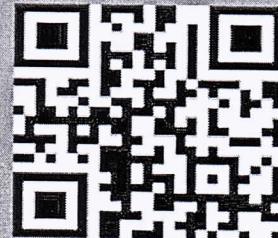


For contact:

94907 94017

94907 97536

For online registration:



Date: 12-07-2022 Time: 9:00am - 4:00pm

Requirements:

1. Idea Supporting Charts/Document/Photographs of Innovate Idea
2. Min 5 Presentation slides PPT/ 3 video explaining idea
3. Profile of the a Idea

Entries should reach to

Dr. M.SASIDHAR

Dr.P.CHIRENJEEVI



AMRITA SAI

INSTITUTE OF SCIENCE AND TECHNOLOGY

AUTONOMOUS

paritala,kanchikacherla(MD),krishna(DT)-AP 521180



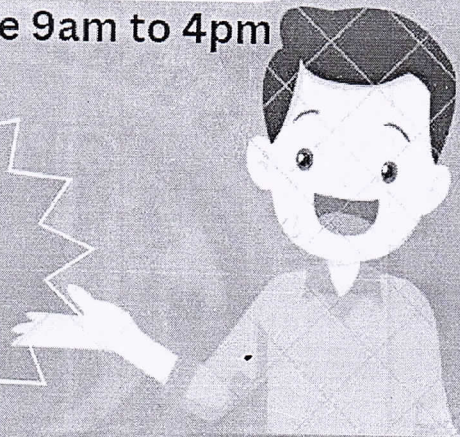
IDEATHON

an Innovative Idea contest for youth 2021

DATE: 06-08-2021 time 9am to 4pm

submit your ideas:

- product,
- bussines plan,
- start-up plan,
- final year projects



REQUIREMENTS:

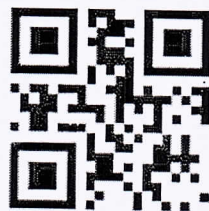
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- 3 Profile of Idea

ENTRIES SHOULD REACH

TO

DR M.SHASIDAR
DR P.CHIRENJEEVI

FOR ONLINE REGISTRATION



94907 94017
94907 97536

participate in campaign for
better society and share your
ideas
to win the competition

LIST OF IDEAS PRESENTED IN THE IDEATHON ACADEMIC YEAR 2021-22

Team	Innovative Idea	Mentor	Name of Participants	Roll number
1	Customer Segmentation Using Machine Learning	K. SUBHASH CHANDRA	21AJ5A0110	V. CHENNA KESWAR
			21AJ5A0108	SK. MUTHUJA VALI
			21AJ1A0105	P. LOKESH
2	Personality prediction System	J. NAGA PRATHIMA	22AJ5A0207	D. VENKATA ROOPESH
			22AJ5A0208	G. VENKATA DURGA PRASAD
			22AJ1A0494	M. GOKUL
3	Covid 19 prediction using chest x Rays	ABDUL FIROZE	22AJ5A0408	J. CHANDRA LEKHA
			22AJ5A0402	A. SRINIVAS
			22AJ5A0412	MD. INTHIYAZ
4	On road vehicle breakdown assistant	KSABARINATH	22AJ1A4455	T. BALAJI
			22AJ1A4426	G. MAHA LAKSHMI
			22AJ1A4442	M. SRAVANI

Team	Innovative Idea	Mentor	Name of Participants	Roll number
5	Human edge detection using python	K. SUBHASH CHANDRA	21AJ1A0301	G. HARI KRISHNA
			21AJ1A0305	Y.PAVAN NAGA GOPI
			22AJ5A0321	ITHI RAJU
6	Book E-Commers site	ABDUL RAHAMAN	22AJ5A0308	K. RAMA KRISHNA
			22AJ5A0309	K. BOSE
			22AJ5A0312	M. SAI KIRAN NAIK
7	Speech emotion recognition.	VELAGAPUDI SRAVANI	21AJ1A0536	G.SARADA
			21AJ1A0556	K.SANDHYA RANI
			21AJ1A0517	K.SUNITHA
8	Text based RPG game	ABDUL RAHAMAN	21AJ1A0537	G.LINGARAO
			21AJ1A0530	A.SWARNA LATHA
			21AJ1A0540	G. ANJALI DEVI
9	Image Capturing	K. SUBHASH CHANDRA	21AJ1A4449	S.PAVANI
			21AJ1A4424	G.VINITHA

Team	Innovative Idea	Mentor	Name of Participants	Roll number
			21AJ1A4419	MD FAHAD FAIZ
10	Face recognition using opencv machine learning	ABDUL FIROZE	20AJ1A0415	B. KEERTHI
			20AJ1A0418	B. DIVYA
			20AJ1A0431	D. SRAVANI
			20AJ1A05A4	V.MADHAVI
11	Chat app with firebase	J. NAGA PRATHIMA	20AJ1A0582	P.SRI VARSHA
			20AJ1A05A8	P.RAJESWARI

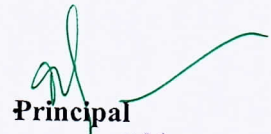
LIST OF IDEAS PRESENTED IN THE IDEATHON ACADEMIC YEAR 2022-23

Team	Innovative Idea	Mentor	Name of Participants	Roll number
1	Privacy Preserving Priority Classification on Patient Health Data in Remote eHealthcare System	ABDUL RAHAMAN	21AJ1A5851	S. LANVANYA
			21AJ1A5844	P.SRILATHA
			21AJ1A5819	P. ABHINAYA
			21AJ1A5805	CH. BINDUSRI
2			21AJ1A4449	S. PAVANI

			21AJ1A4461	V. VAGDEVI
			22AJ5A5846	P. BHAVANA DURGA
	Bus identification device for the blind people	J. NAGA PRATHIMA	22AJ5A5856	V. KEERTHI
			21AJ5A0106	P. REVANTH KUMAR
			20AJ1A0101	B. PAVAN KALYAN
			20AJ1A0113	Y. KALYAN PRODHAN
3	Clustering based collaborative filtering using intensivized/penalised user model	ABDUL FIROZE	21AJ5A0107	P.PUSHPA
			21AJ5A0108	SK. MUTHUJA VALI
			20AJ1A0110	R. RAGHURAM NAIK
4	Option Dynamics-Based Group Recommender Systems	VELAGAPUDI SRAVANI	20AJ1A0107	K. SANJEEVA GOUD
			20AJ1A0111	R. NAGA LAKSHMI
5	Intrusion detection model using machine learning algorithms on big data environment	K. SUBHASH CHANDRA	22AJ1A4434	K. VINAY

			22AJ1A4457	N. NARENDRA
			22AJ1A4419	G. ASHOK REDDY
			21AJ1A0202	CHITTEM BINDU MADHAVI
			21AJ1A0203	DHULIPUDI NIHARIKA
			21AJ1A0207	MALAPATI NAGAMANI
6	Drowsiness detection using open cv based on face recognition	K. SABARINATH	22AJ5A0223	LALAM BHARGAVI
			21AJ1A0205	MADDULA PAVAN KUMAR
			21AJ1A0206	MADUGULA RAHUL
			22AJ5A0230	RANGA JAGADISH
7	Bitcoin price prediction using machine learning	K. SUBHASH CHANDRA	21AJ1A0213	PULI VIJAY KUMAR
			22AJ1A4479	SK. FAYAZ ALI
8	Migrating the IBM product applications to cloud migration using containers and red hat	ABDUL FIROZE	22AJ1A4493	V. PAVAN KUMAR

open shift container platform		22AJ1A4417	D. CHENNA KESAAVA ARJUN
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STARTUP POLICY

Vision:

The National Student and Faculty Startup Policy is initiated by MHRD's Innovation Cell and AICTE. It is a guiding framework to envision an education system oriented towards start-ups and entrepreneurship opportunities for student and faculties.

The guidelines provide ways for developing entrepreneurial agenda, managing Intellectual Property Rights (IPR) ownership, technology licensing and equity sharing in Start – ups or enterprises established by faculty and student and encourage them to actively pursue path of innovation and entrepreneurship.

Our vision is to develop high quality technical human resource capable of doing cutting edge research and innovation and deep-tech entrepreneurship.

Mission:

- To establish vibrant and dynamic Startup Ecosystem across all the departments.
- To enable the institute to actively engage students, faculties and staff in innovation and entrepreneurship related activities.
- To create a space for Collaboration, Co-creation, Business Relationships and Knowledge Exchange.
- To facilitate the institute in terms of Intellectual Property (IP) ownership management, technology licensing and equity sharing.

Objectives:

- Innovation Development
- Entrepreneurship Exposure and Skills Development
- Support Facilities for Start-up Services
- Inter – Institutional Partnership
- Network with Regional and national Start-up Eco-System
- Industry Support, Corporate & private Partnership Linkage

- Technology Commercialization

Goals:

- Developing critical thinking skills to motivate students and faculties with entrepreneurial abilities.
- Building Innovation and Incubation ecosystem by providing resources available at the institute.
- In-house competency development to serve potentiality to the incubators.
- Strengthen the intra and inter institutional linkage with ecosystem enablers at different levels.
- Defining Key Performance Indicators (KPIs) for Entrepreneurial Performance Impact Assessment.

Startup Policy for Students and Faculty

1. Strategies and Governance

- Investment in the entrepreneurial activities should be a part of the Institutional financial strategy. Minimum 1% fund of the total annual budget of the institution should be allocated for funding and supporting innovation and startups related activities through creation of separate 'Innovation fund'.
- The strategy should also involve raising funds from diverse sources to reduce dependency on the public funding. Bringing in external funding through government (state and central) such as DST, DBT, MHRD, AICTE, TDB, TIFAC, DSIR, CSIR, BIRAC, NSTEDB, NRDC, Startup India, Invest India, MeitY, MSDE, MSME, etc.* and non-government sources should be encouraged.
- To support technology incubators, academic institutes may approach private and corporate sectors to generate funds, under Corporate Social Responsibility (CSR) as per Section 135 of the Company Act 2013.
- Institute may also raise funding through sponsorships and donations. Institute should actively engage alumni network for promoting Innovation & Entrepreneurship (I&E).
- Importance of Innovation and entrepreneurial agenda should be known across the institute and should be promoted and highlighted at institutional programs such as conferences, convocations, workshops, etc.
- Development of entrepreneurship culture should not be limited within the boundaries of the institutions.

- i. College will be act as a driving force in developing entrepreneurship culture in its vicinity (regional, social and community level). This shall include giving opportunity for regional startups, provision to extend facilities for outsiders and active involvement of the institute in defining strategic direction for local development.
- ii. Strategic international partnerships should be developed using bilateral and multilateral channels with international innovation clusters and other relevant organizations. Moreover, International exchange programs, internships, engaging the international faculties in teaching and research should also be promoted.

2. Startups Enabling Institutional Infrastructure

- a. College has to create facilities within the campus for supporting pre-incubation (e.g. IIC's as per the guidelines by MHRD's Innovation Cell, EDC, IEDC, New-Gen IEDC, Innovation Cell, Startup Cell, Student Clubs, etc.) and Incubation acceleration by mobilizing resources from internal and external sources.
- b. This Pre-Incubation / Incubation facility should be accessible 24x7 to students, staff and faculty of all disciplines and departments across the institution.

3. Nurturing Innovations and Start ups

- a. While defining their processes, institutions will ensure to achieve following:
 - i. Incubation support: Offer access to pre-incubation & Incubation facility to start ups by students, staff and faculty for mutually acceptable time-frame.
In case an institute doesn't have dedicated facility / infrastructure of its own, then it may reach out to nearest incubation facilities in other HEIs in order to facilitate access to their students, staff and faculty.
 - ii. Will allow licensing of IPR from institute to start up: Ideally students and faculty members intending to initiate a startup based on the technology developed or co-developed by them or the technology owned by the institute, should be allowed to take a license on the said technology on easy term, either in terms of equity in the venture and / or license fees and / or royalty to obviate the early stage financial burden.
 - iii. Will allow setting up a startup (including social startups) and working part-time for the startups while studying / working: College may allow their students / staff to work on their innovative projects and setting up startups (including Social Startups)

or work as intern / part-time in startups (incubated in any recognized HEIs / Incubators) while studying / working. Student Entrepreneurs may earn 2 / 3 credits for working on innovative prototypes / Business Models / IPR. Institute may need to develop clear guidelines to formalize this mechanism. Student inventors may also be allowed to opt for startup in place of their mini project /major project, seminars, summer trainings. The area in which student wants to initiate a startup may be interdisciplinary or multidisciplinary. However, the student must describe how they will separate and clearly distinguish their ongoing research activities as a student from the work being conducted at the start up.

- b. Students who are under incubation, but are pursuing some entrepreneurial ventures while studying should be allowed to use their address in the institute to register their company with due permission from the institution.
- c. Students entrepreneurs should be allowed to sit for the examination, even if their attendance is less than the minimum permissible percentage as per college norms, with due permission from the institute.
- d. College allow students to take a semester / year break (or even more depending upon the decision of review committee constituted by the institute) to work on their startups and re-join academics to complete the course. Student entrepreneurs may earn academic credits for their efforts while creating an enterprise. Institute should set up a review committee for review of start up by students, and based on the progress made, it may consider giving appropriate credits for academics.
- e. College provides accommodation to the entrepreneurs within the campus for some period of time.
- f. College permits, faculty and staff to take off for a semester / year (or even more depending upon the decision of review committee constituted by the institute) as sabbatical / unpaid leaves / casual leave for working on startups and come back. Institution permits for utilizing the resource to faculty / students / staff wishing to establish start up as a fulltime effort. Te seniority and other academic benefits during such period may be preserved for such staff or faculty.

- g. Institute will facilitate the startup activities technology development by allowing students faculty staff to use institute infrastructure and facilities, as per the choice of the potential entrepreneur in the following manners:
- i. Short-term / six months / one-year part-time entrepreneurship timing.
 - ii. Mentorship support on regular basis.
 - iii. Facilitation in a variety of areas including technology development, ideation, creativity, design thinking, fund raising, financial management, cash-flow management, new venture planning, business development, product development, social entrepreneurship, product costing, marketing, brand-development, human resource management as well as law and regulations impacting a business.
 - iv. Institute may also link the startups to other seed-fund provides / angel funds / venture funds or itself may set up seed-fund once the incubation activities mature.
- h. In return of the services and facilities, institute may take 2% to 3% equity stake in the startup company, based on brand used, faculty contribution, support provided and used of Institute's IPR (a limit of 3% is suggested so that institute has no legal liability arising out of startup. The institute should normally take much lower equity share, unless its full-time faculty / staff have substantial share). Other factors for consideration should be space, infrastructure, mentorship support, seed-funds, support for accounts, legal, patents etc.
- For staff and faculty, institute can take no more than 20% of share that staff / faculty takes while drawing full salary from the institution; however, this share will be within the 7% cap of company shares, listed above.
 - No restriction on shares that faculty / staff can take, as long as they do not spend more than 20% of office time on the startup in advisory or consultative role and do not compromise with their existing academic and administrative work / duties. In case the faculty staff holds the executive or managerial position for more than three months in a startup, then they will go on sabbatical / leave without pay / earned leave.
- i. Institute could extend this startup facility to alumni of the institute as well as outsiders.
 - j. Participation in startup related activities needs to be considered as a legitimate activity of faculty in addition to teaching, R&D projects, industrial consultancy and management duties and must be considered while evaluating the annual performance of the faculty.

Every faculty may be encouraged to mentor at least one startup (2/3 Faculty from each department).

- k. Product development and commercialization as well as participating and nurturing of startups and would now be added to a bucket of faculty-duties and each faculty would choose a mix and match of these activities (in addition to minimum required teaching guidance) and then respective faculty are evaluated accordingly for their performance and promotion.
- l. Institutions might also need to update / change / revise performance evaluation policies for faculty and staff as stated above.

4. Product Ownership Rights for Technologies Developed at Institute

- a. When institute facilities / funds are used substantially or when IPR is developed as a part of curriculum / academic activity, IPR is to be jointly owned by inventors and the institute.
 - i. Inventors and institute could together license the product / IPR to any commercial organization, with inventors having the primary say. License fees could be either / or a mix of
 - 1. Upfront fees or one-time technology transfer fees.
 - 2. Royalty as a percentage of sale-price.
 - 3. Shares in the company licensing the product.
 - ii. If one or more of the inventors wish to incubate a company and license the product to this company, the royalties would be no more than 4% of sale price, preferably 1 to 2%, unless it is pure software product. If it is shares in the company, shares will again be 1% to 4%. For a pure software product licensing, there may be a revenue sharing to be mutually decided between the institute and the incubated company.
- b. Institute IPR cell or incubation center will only be a coordinator and facilitator for providing services to faculty, staff and students. They will have no say on how the invention is carried out, how it is patented or how it is to be licensed. If institute is to pay for patent filing, they can have a committee which can examine whether the IPR is worth patenting.
The committee should consist of faculty who have experience and excelled in technology translation. If inventors are using their own funds or non-institute funds, then they alone should have a say in patenting.

- c. All institutes decision-making body with respect to incubation /IPR/technology licensing will consist of faculty and experts who have excelled in technology translation. Other faculty in the department /institute will have no say, including heads of department, heads of institutes, deans or registrars.
- d. Interdisciplinary research and publication on startup and entrepreneurship should be promoted by the institutions.

5. Organizational Capacity, Human Resources and Incentives

- a. Institute should recruit staff that has a strong innovations and entrepreneurial /industrial experience, behavior and attitude. This will help in fostering the I & E culture.
 - i. Some of the relevant faculty members with prior exposure and interest should be deputed for training to promote I & E.
 - ii. To achieve better engagement of staff in entrepreneurial activities, institutional policy on career development of staff should be developed with constant up skilling.
- b. Periodically some external subject matter experts such as guest lecturers or alumni can be engaged strategic advice and bringing in skills which are not available internally.
- c. Faculty and staff should be encouraged to do courses on Innovation, entrepreneurship management and venture development.
- d. In order to attract and retain right people, institute should develop academic and non-academic incentives and reward mechanisms for all staff and stakeholders that actively contribute and support entrepreneurship agenda and activities.
 - i. The reward system for the staff may include sabbaticals, office and lab space for entrepreneurial activities, reduced teaching loads, awards, trainings, etc.
 - ii. The recognition of the stakeholders may include offering use of facilities and services, strategy for shared risks as guest teachers, fellowships, associateships, etc.
 - iii. A performance matrix should be developed and used for evaluation of annual performance.

6. Creating Innovation Pipeline and Pathways for Entrepreneurs at Institute Level

- a. To ensure of maximum students to innovation and pre incubation activities at their early stage and to support the pathway form ideation to innovation to market mechanisms should be devised at institution level.

- i. Spreading awareness among students, faculty and staff about the value of entrepreneurship and its role in career development or employability should be a part of the institutional entrepreneurial agenda.
 - ii. Students / Staff should be taught that Innovation (technology, process or business innovation) is a mechanism to solve the problems of the society and consumers. Entrepreneurs should innovate with focus on the market niche.
 - iii. Students should be encouraged to develop entrepreneurial mindset through experiential learning by exposing them to training in cognitive skills (e.g. design thinking, critical thinking, etc), by inviting first generation local entrepreneurs or experts to address young minds. Initiatives like idea and innovation competitions, hackathons, workshops, boot camps, seminars, conferences, exhibitions, mentoring by academic and industry personnel, throwing real life challenges, awards and recognition should be routinely organized.
 - iv. To prepare the students for creating the start up through the education, integration of education activities with enterprise-related activities should be done.
- b. The institute should link their start ups and companies with wider entrepreneurial ecosystem and by providing support to students who show potential, in pre-startup phase. Connecting student entrepreneurs with real life entrepreneurs will help the students in understanding real challenges which may be faced by them while going through the innovation funnel and will increase the probability of success.
 - c. The institute should establish Institution's Innovation Councils (IICs) as per the guidelines of MHRD's Innovation Cell and allocate appropriate budget for its activities. IICs should guide institution in conducting various activities related to innovation, startup and entrepreneurship development. Collective and concentrated efforts should be undertaken to identify, scout, acknowledge, support and reward proven student ideas and innovations and to further facilitate their entrepreneurial journey.
 - d. Institute must develop a ready reckoner of Innovation Tool Kit, which must be kept on the homepage on institute's website to answer the doubts and queries of the innovators and enlisting the facilities available at the institute.

7. Norms for Faculty Startups

- a. For better coordination of the entrepreneurial activities, norms for faculty to do startups should be created by the institutions. Only those technologies should be taken for faculty startups which originate from within the same institute.
 - i. Role of faculty may vary from being an owner / direct promoter, mentor, consultant or as on-board member of the startup.
 - ii. Institutes should work on developing a policy on 'conflict of interests' to ensure that the regular duties of the faculty don't suffer owing to his /her involvement in the startup activities.
 - iii. Faculty startup may consist of faculty members alone or with students or with faculty of other institutes or with alumni or with other entrepreneurs.
- b. Faculty must clearly separate and distinguish on-going research at the Institute from the work conducted at the startup / company.
- c. In case of selection of a faculty start up by an outside national or international accelerator, a maximum leave (as sabbatical /existing leave /unpaid leave / casual leave / earned leave) of one semester / year (or even more depending upon the decision of review committee constituted by the institute) may be permitted to the faculty.
- d. Faculty must not accept gifts from the startup.
- e. Human subject related research in startup should get clearance from ethics committee of the institution.

8. Pedagogy and learning Interventions for Entrepreneurship Development

- a. Diversified approach should be adopted to produce desirable learning outcomes, which should include cross disciplinary learning using mentors, labs, case studies, games, etc. in place of traditional lecture-based deliver.
 - i. Student Clubs / bodies / departments must be created for organizing competitions, boot camps, workshops, awards, etc. these bodies should be involved in institutional strategy planning to ensure enhancement of the student's thinking and responding ability.
 - ii. Institutes should start annual 'INNOVATION & ENTREPRENEURSHIP AWARD' to recognize outstanding ideas, successful enterprises and contributors for promoting innovation and enterprises ecosystem within the institute.

- iii. For creating awareness among the students, the teaching methods should include case studies on business failure and real-life experience reports by startups.
 - iv. Innovation champions should be nominated from within the students /faculty /staff for each department / stream of study.
- b. Entrepreneurship education should be imparted to students at curricular / co-curricular /extra – curricular level through elective /short term or long-term courses on innovation, entrepreneurship and venture development. Validated learning outcomes should be made available to the students.
- i. Integration of expertise of the external stakeholders should be done in the entrepreneurship education to evolve a culture of collaboration and engagement with external environment.
 - ii. In the beginning of every academic session, institute should conduct an induction program about the importance of I&E so that freshly inducted students are made aware about the entrepreneurial agenda of the institute and available support systems. Curriculum for the entrepreneurship education should be continuously updated based on entrepreneurship research outcomes. This should also include case studies on failures.
 - iii. Industry linkages should be leveraged for conducting research and survey on trends in technology, research, innovation, and market intelligence.
 - iv. Sensitization of students should be done for their understanding on expected learning outcomes.
 - v. Student innovators, startups, experts must be engaged in the dialogue process while developing the strategy so that it becomes need based.
 - vi. Customized teaching and training materials should be developed for startups.
 - vii. It must be noted that not everyone can become an entrepreneur. The entrepreneur is a leader, who would convert an innovation successfully into a product, others may join the leader and work for the startup. It is important to understand that entrepreneurship is about risk taking. One must carefully evaluate whether a student is capable and willing to take risk.

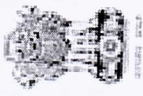
9. Entrepreneurial Impact Assessment

Impact assessment of institute's entrepreneurial initiatives such as pre-incubation, incubation, entrepreneurship education should be performed regularly using well defined evaluation parameters.

- i. Monitoring and evaluation of knowledge exchange initiatives, engagement of all departments and faculty in the entrepreneurial teaching and learning should be assessed.
- ii. Number of startups created, support system provided at the institutional level and satisfaction of participants, new business relationships created by the institutes should be recorded and used for impact assessment.
- iii. Impact should also be measured for the support system provided by the institute to the student entrepreneurs, faculty and staff for pre-incubation, incubation, IPR protection, industry linkages, exposure to entrepreneurial ecosystems, etc.


Principal

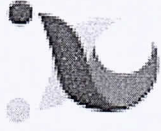
PRINCIPAL
Amrita Sai Institute of Science and Technology
Amrita Sai Nagar, Paritala
Krishna Dist - 521 131



सत्यमेव जयते
 Government of India
 Ministry of Human Resource
 Development



MHRD'S
INNOVATION CELL
 (GOVERNMENT OF INDIA)



**INSTITUTION'S
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 COUNCIL**
 MHRD'S INNOVATION CELL



CERTIFICATE

Institution Innovation Council (IIC) established at

Amrita Sai Institute of Science and Technology

had undertaken various activities prescribed by Innovation Cell, Ministry of HRD, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2018-19.

SAD elms

**Prof. Anil D. Sathasrabudhe
 Chairman, AICTE**

Certificate No : 371

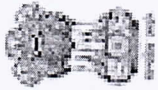
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**Shri. R. Subrahmanyam
 Secretary, MHRD**

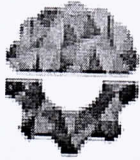
Abhay Jere

**Dr. Abhay Jere
 CIO, MHRD, Innovation Cell**

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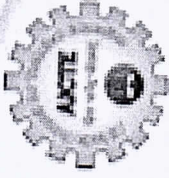
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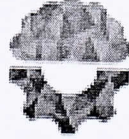
had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2021-22.

Dr. Abhay Jere
Chief Innovation Officer
MOE, Innovation Cell

Mr. Dipan Sahu
Assistant Innovation Director
MOE, Innovation Cell



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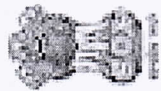
Prof. Anil D. Sahasrabudhe
Chairman, AICTE

Sh. Amit Khare
Secretary, Department of Higher Education, MOE

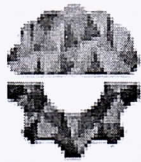
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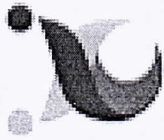
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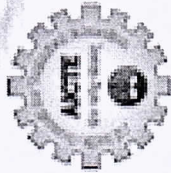
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Chairman
AICTE

Dr. Abhay Jere
Chief Innovation
Officer
MOE, Innovation
Cell

Mr. Dipan Sahu
Assistant Innovation Director
MOE, Innovation Cell