



# SENGUNTHAR ARTS AND SCIENCE COLLEGE

(AFFILIATED TO PERIYAR UNIVERSITY, SALEM AND APPROVED BY AICTE, NEW DELHI)  
AN ISO 9001:2015 CERTIFIED INSTITUTION  
RECOGNISED UNDER SECTION 2(F) AND 12(B) OF UGC ACT 1956 AND ACCREDITED BY NAAC  
TIRUCHENGODE - 637205



## AQAR (2021-2022)

### CRITERION 3 – RESEARCH, INNOVATIONS AND EXTENSION

**3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge**



Since 1991

SENGUNTHAR ARTS AND SCIENCE COLLEGE  
(Affiliated to Periyar University, Salem and Approved by AICTE, New Delhi)  
An ISO 9001:2015 Certified Institution  
Recognised under section 2(f) and 12(B) of the UGC Act 1956  
Accredited by NAAC  
TIRUCHENGODE – 637 205



## TABLE OF CONTENTS

S.No	Particulars	Page.No
<b>Institution Innovation Cell (IIC) Activity</b>		
1	IIC Members and Meeting minutes	3-4
2	IIC -Establishment Certificate given by MHRD	5
3	IICRank Certificates given by MHRD	6-8
4	Appreciation Letter	9-10
<b>Research Cell Activity</b>		
5	Research Policy and Guidelines	11-12
6	Research Committee Members and meeting minutes	13-19
7	Research Centre Approval Copies	21-22
8	Geo-tag photos of Research Laboratory	23-25
9	Project applied under various funding agencies (Govt. & NGO)	26-27
<b>Entrepreneur Development Cell (EDC) Activity</b>		
10	Photos of EDC -Establishment	28
11	SPOKE-Registration form EDC-Members	29-33
12	MSME-UDHAYAM- Registration Certificate	34-35
13	Atal Ranking of Institutions on Innovation Achievements (ARIIA) Certificate Patent Details	36
14	Patent Details	37-43



# SENGUNTHAR ARTS AND SCIENCE COLLEGE

(Affiliated to Periyar University, Salem and Approved by AICTE, New Delhi)

An ISO 9001:2015 Certified Institution

Recognized under section 2(f) and 12(B) of the UGC Act 1956 and Accredited by NAAC

TIRUCHENGODE - 637 205, NAMAKKAL DT, TAMILNADU.

Dr. S. RAVIKUMAR M.Sc., M.E., M.Phil., Ph.D.,  
PRINCIPAL

Date: 09.12.2022

## INSTITUTION'S INNOVATION COUNCIL

The first council meeting of Institution's Innovation Council (IIC), 2022-2023 Sengunthar Arts and Science College IIC President Dr. S. Ravikumar to discuss upon the formulation and function of IIC & shared roles and responsibility among newly joined council members as per the guidelines of MHRD's Innovation cell.

Experts	Designation	No	Name Faculty Members
Senior Faculty Member of the Institution	President	1	Dr S.Ravikumar
Faculty Member	Convener	1	Dr P.Venkatachalam
Faculty Members	Members	5	Dr.P.Ramesh kumar Mr A.Arunachalam Mrs R..Bharathi Mr. R .Mukesh Kannaa Dr.S.Sudhakar
Faculty Member	Internship Coordinator	1	Dr.P.Ramesh kumar
Faculty Members	IPR & EDC Coordinator	2	Mrs R.Bharathi Dr.S.Sudhakar
Faculty Member	NIRF Coordinator	1	Mr A.Arunachalam
Faculty Member	NISP Coordinator	1	Mr. R .Mukesh Kannaa
Faculty Member	Media	1	M R S.Balachadar
IICs Coordinators (Students)	Coordinators	5	Mr V.Kishore Miss.G. Abirami Mr. D.Purusotham Mr.M.Deepak Sureender Miss S. Vijayalakshmi
IIC student members	Members	5	K.S.Abisheik S.Hemalatha S.Santhosh M.Naveen M.Mahavidhya
Representative from Incubation Centre	Member	1	Dr. M.Dhanasu
Technical Expert from Industry	Member	1	Mr.V.S. Ramesh
Alumni Entrepreneur from Host Institute	Member	1	Dr E.S. Karthik
Patent Expert	Special Invitee	1	Mr P.Ponmurugan

ATTESTED

PRINCIPAL

SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.



# SENGUNTHAR ARTS AND SCIENCE COLLEGE

(Affiliated to Periyar University, Salem and Approved by AICTE, New Delhi)

An ISO 9001:2015 Certified Institution

Recognized under section 2(f) and 12(B) of the UGC Act 1956 and Accredited by NAAC

TIRUCHENGODE - 637 205, NAMAKKAL DT, TAMILNADU.

Dr. S. RAVIKUMAR M.Sc., M.E., M.Phil., Ph.D.,  
PRINCIPAL

Date:

The council members are discussed about the objective of IIC, type of activities (IIC calendar Self-Driven, Yukti and ATAL lab), features of IIC portal for monthly report submission mechanism. The council members also discussed about collaborations with organizations to accelerate the activities of IIC. The council also deliberated on quarterly action plan in synchronization with activities and initiatives of other departments, centres and facilities in the Institute working towards promoting IPR, Innovation and Start up.

The council unanimously decided to carry out all the IIC activities in regular basis throughout the year and meet regularly in beginning of every quarter to review the progress made in previous quarter and also to plan for upcoming quarter.

- Action plan of academic year 22-23 was discussed and framed to conduct the following events
- Induction program me conducted for newly batch of students and faculty
- Fresher day UG and PG students
- The skill of faculty was enhanced by conduction FDP
- For technology upgradation we decided to submit proposal for establishment of smart class room
- To motivate the collaborative activities of research, students exchange, faculty exchange of all the departments

The council has agreed to convene next meeting on 25.01.2023

Date: 09.12.2022

Place: Tiruchengode

Signature & Seal

PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
(IIC President of IRO)

ATTESTED

PRINCIPAL

SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.



## CERTIFICATE

This is to certify that

**Sengunthar Arts & Science College , TIRUCHENGODE**

has established Institution Innovation Council(IIC) as per the norms of Innovation Cell,  
Ministry of HRD, Govt. of India during IIC Calendar year 2018-19

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

Certificate No : 1398

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

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

Issuing Date: 17-12-2018

**ATTESTED**

5

**PRINCIPAL**  
**SENGUNTHAR ARTS AND SCIENCE COLLEGE**  
**TIRUCHENGODE - 637 205.**



## CERTIFICATE

Institution Innovation Council (IIC) established at

**Sengunthar Arts & Science College , TIRUCHENGODE**

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.

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

Certificate No : 1398

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

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

Issued On : 2019-11-06

**ATTESTED**

6

**PRINCIPAL**  
**SENGUNTHAR ARTS AND SCIENCE COLLEGE**  
**TIRUCHENGODE - 637 205.**



Ministry of  
Education  
Government of India



MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



INSTITUTION'S  
INNOVATION  
COUNCIL  
Ministry of Education, Government of India



## CERTIFICATE

Institution's Innovation Council (IIC) established at

**Sengunthar Arts & Science College, TIRUCHENGODE**

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 2020-21.

Prof. Anil D. Sahasrabudhe  
Chairman  
AICTE

Dr. Abhay Jere  
Chief Innovation Officer  
MOE, Innovation Cell

Mr. Dipan Sahu  
Assistant Innovation Director  
MOE, Innovation Cell

Certificate No : 1398

Issued On : 2022-01-03

ATTESTED

PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.



Ministry of  
Education  
Government of India



MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



INSTITUTION'S  
INNOVATION  
COUNCIL  
Ministry of Education, Government of India



## CERTIFICATE

Institution's Innovation Council (IIC) established at

**Sengunthar Arts & Science College, TIRUCHENGODE**

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

Certificate No : 1398

Issued On : 2022-11-17

**ATTESTED**

PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODES - 637 205.



### Letter of Appreciation

Dear Sir/Madam,

Please accept our sincere gratitude to all the chief functionaries and every members of the IIC Institution's Innovation Council (IIC) of Sengunthar Arts & Science College for the continuous support and contribution towards building the innovation and entrepreneurship culture development in your campus and also extending support to help other IIC institutions towards growth of the IIC network during the academic year 2021-22.

Chief Functionaries of the IIC at Sengunthar Arts & Science College , TIRUCHENGODE

Name	Position
Dr.S.RAVIKUMAR	President
Dr.J.K.KANIMOZHI	NISP Co-ordinator
R.BHARATHI	Innovation Activity,Member
A.Arunachalam	NIRF Coordinator,ARIIA Coordinator
Dr P.VANATHI	Vice President,IPR Activity Coordinator
Mr.B .PRABHU	Internship Activity Coordinator,Start up Activity Coordinator
Dr P.VENKATACHALAM	Convener
Dr M.DANUSH	Member
Dr S.Ravikumar	Social Media
Dr.S.RAVIKUMAR	President

As we are progressing towards a 'quality' driven I&E ecosystem development, we strongly believe that the IIC model and its unique structure is definitely putting your HEI's thoughts, actions and aspirations in a systematic way to achieve inclusive and holistic development of the ecosystem.

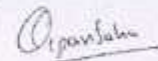
Thank you & regards.

ATTESTED

  
PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

Yours Sincerely,

Dipan Kumar Sahu



Assistant Innovation Director  
MoE's Innovation Cell, Govt. of India

ATTESTED



PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

**SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE**

**Research Policy and Guidelines**

Research is the foundation of knowledge that brings new energy, builds state of the art facilities, promotes research publications, develops collaborations and becomes a part of active community that shares the mission objectives. Taking these into considerations, following Research Policy is implemented in Sengunthar Arts and Science College

**Purpose**

The aim of our Research Policy is to create and support a research culture among the staff and students. It enriches and enhances the professional competence of the faculty members. The Research Activities of our College ensures to follow the established standards and norms relating to safe and ethical conduct of research.

**Objectives**

- To create an enabling environment within the College in order to foster a research culture as well as to provide required support through research framework and guidelines
- To ensure high level of efficient and effective support system to facilitate faculty and researchers in their research activities
- To ensure publications in quality journals, indexed in Scopus/Web of Science and/or with impact factor
- To nurture an environment to undertake research with potential for commercialization
- To establish Research Centre within the College to achieve Excellence
- To create an interdisciplinary collaborations research

**Policy and Guidelines**

1. Undertaking Research

Faculty members of our College are actively involving to undertake research activities. It leads to quality publications, presentations in National/International conferences in reputed Institutions.

2. Obligations of faculty and researchers (including post graduate researchers)

Research output will be considered as one of the criteria for faculty recruitment and promotion along with other academic responsibilities.

3. Academic Dishonesty and Disciplinary Committee

It is expected that each member involved in research – faculty, researchers and postgraduate researchers - will adhere to highest ethical standards of conduct. Highest ethical standards of conduct include data integrity, adhering to ethical guidelines,

**ATTESTED**

  
PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

given from time to time, for carrying out research. Each faculty member and researcher shall follow academic honesty in his/her research work. Faculty and researchers shall be careful not to fall prey to academic dishonesty. A disciplinary committee with the instructions of the Principal shall be formed in order to carry out inquiry when academic dishonesty is reported against an individual/group. Suitable disciplinary action may be initiated, if found guilty, against such individual/group.

#### 4. Faculty

IQAC take the initiatives for Sensitizing/Promoting Research Climate in the institution. Faculty members are advised to prepare Project for govt/non-govt funding agencies like DBT, DST, UGC, CSIR, FIST, SERB, etc. The workload of the Faculty members has been relaxed to engage actively in their research work and providing incentives to publish in scopus/SEI/UGC care list journals. Faculty Development programmes are regularly conducted by expertise resource persons to create research opportunities and make sociable approaches with students and colleagues.

#### 5. Student Research

To enhance quality research output, student internship shall be facilitated to encourage undergraduate/postgraduate students to pursue research activities leading to tangible output. The guidelines were given to the students to publish their articles in reputed journals with high impact factor and in seminars and conferences. IIC and EDC started in the institution to increase the innovative research ideas and Entrepreneur Skill among Students

  
PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

ATTESTED  
  
PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.



**SENGUNTHAR ARTS AND SCIENCE COLLEGE**  
(Affiliated to Periyar University, Salem and Approved by AICTE, New Delhi)  
An ISO 9001:2015 Certified Institution  
Recognised under section 2(f) and 12(B) of the UGC Act 1956  
Accredited by NAAC  
TIRUCHENGODE - 637 205



Date: 12.08.2022

### Research Cell Members

Dr S.RAVIKUMAR Principal	Convener
Dr S.VIJAYARANGAN Director Research Collaborations	Research Advisor
Dr P.VENKATACHALAM Asst. Prof. & Head, PG and Research Dept. of Microbiology	Member
Dr S.SUDHAKAR Asst. Prof. & Head, PG and Research Dept. of Biotechnology	Member
Mr G.INBASEKARAN Asst.Prof. & Head, Dept. of Chemistry	Member
Mr P.SENTHILKUMARAN Asst. Prof. & Head, Dept. of Biochemistry	Member
Dr S.SIVAKUMAR Asst. Professor, Dept. of Computer Science	Member
Dr G.DHANASEKARAN Asst. Professor, Dept. of Botany	Member
Mr A.KUMARESAN Asst. Professor, Dept. of Physics	Member

ATTESTED

PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

Principal

PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

## Research Cell - Minutes of Meeting

12. 8. 2022

The meeting of Research Cell was held on 12. 8. 2022 (FN) at IQAC with the following members and major points were discussed as detailed:

Dr S.RAVIKUMAR Principal	Convener
Dr S.VIJAYARANGAN Director Research Collaborations	Research Advisor
Dr P.VENKATACHALAM Asst. Prof. & Head, PG and Research Dept. of Microbiology	Member
Dr S.SUDHAKAR Asst. Prof. & Head, PG and Research Dept. of Biotechnology	Member
Mr G.INBASEKARAN Asst.Prof. & Head, Dept. of Chemistry	Member
Mr P.SENTHILKUMARAN Asst. Prof. & Head, Dept. of Biochemistry	Member
Dr S.SIVAKUMAR Asst. Professor, Dept. of Computer Science	Member
Dr G.DHANASEKARAN Asst. Professor, Dept. of Botany	Member
Mr A.KUMARESAN Asst. Professor, Dept. of Physics	Member

### Minutes of the Meeting:

Dr.S.RAVIKUMAR, Principal welcomed the members of the Research Cell. Discussion with Dr.R.VIJAYARANGAN, Research Advisor and Members of RC were as under:

- Research plan for every department has to be executed.
- Every department has to identify subject wise research thrust areas, staff research activity, research target groups, Centre of Excellence, external facility (MoU with

ATTESTED



TIKULANURUDDH - 057 208. 208

Government & Non-Governmental organization), infrastructure requirements for research activity and research forum activity.

- Establishment of Incubation Centre – ATAL lab.
- Submission of upcoming project proposal was discussed.
- Various funding schemes of TNSCST, ICSSR and SERB.
- Research advisor also recommended focusing on .NGO-research fund and MOUs

Member's

Signature


Dr S.RAVIKUMAR  
Principal



Dr R.VIJAYARANGAN  
Director Research Collaborations



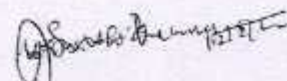
Dr P.VENKATACHALAM  
Asst. Prof. & Head, PG and Research Dept. of Microbiology



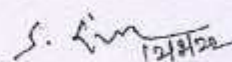
Dr S.SUDHAKAR  
Asst. Prof. & Head, PG and Research Dept. of Biotechnology

Mr G.INBASEKARAN  
Asst. Prof. & Head, Dept. of Chemistry

Mr P.SENTHILKUMARAN  
Asst. Prof. & Head, Dept. of Biochemistry



Dr S.SIVAKUMAR  
Asst. Professor, Dept. of Computer Science



Dr G.DHANASEKARAN  
Asst. Professor, Dept. of Botany



Mr A.KUMARESAN  
Asst. Professor, Dept. of Physics



12/8/22  
Head of the Institution

PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

ATTESTED



PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.



# SENGUNTHAR ARTS AND SCIENCE COLLEGE

(Affiliated to Periyar University, Salem and Approved by AICTE, New Delhi)

An ISO 9001:2015 Certified Institution

Recognised under section 2(F) and 12(B) of the UGC Act 1956 and Accredited by NAAC

TIRUCHENGODE - 637 205



## Research Cell Members

29.12.2020

Dr. S. RAVIKUMAR Principal	-	Convener
Dr. R. VIJAYARANGAN Director-Research & Collaborations	-	Research Advisor
Dr. P. VANATHI Head, PG & Research Department of Biotechnology	-	Co-Convener
Dr. P. VENKATACHALAM Head, PG & Research Department of Microbiology	-	Member
Dr. S. POORNIMA Head, Department of Chemistry	-	Member
Mr. P. SENTHILKUMARAN Head, Department of Biochemistry	-	Member
Mr. A.S. ARUNACHALAM Head, Department of Business Administration	-	Member
Dr. N. VIDHYADEVI Asst. Prof., Department of Business Administration	-	Member
Mr. T.S. VADEVEL Placement Coordinator	-	Member

  
29/12/20  
PRINCIPAL

PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

ATTESTED



PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.





## SENGUNTHAR ARTS AND SCIENCE COLLEGE

(Affiliated to Periyar University, Salem and Approved by AICTE, New Delhi)

An ISO 9001:2015 Certified Institution

Recognised under section 2(f) and 12(B) of the UGC Act 1956

Accredited by NAAC

TIRUCHENGODE - 637 205, NAMAKKAL DT., TAMILNADU

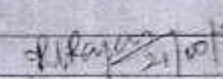

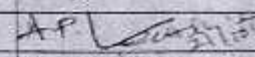

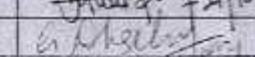
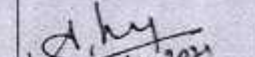
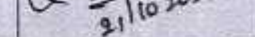


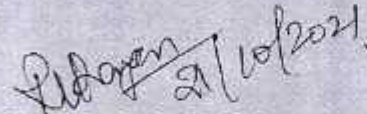
Date: 21.10.2021

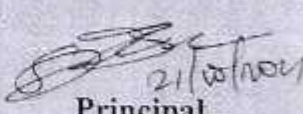
### Research Cell Meeting

#### Agenda:


Students Internship, startup company start, Academic research (Student & Faculty) & Funding.

S.No	Name	Designation	Department	Signature
1	Dr.R.Vijayarangan	Director	Research & collaboration	 21/10/2021
2	Dr.S.P.Suriyaraj	CTO & Head-R & D	Ardor Biomed India pvt ltd, Pollachi, Coimbatore	
3	Dr.P.Venkatachalam	HOD	Microbiology, SASC	
4	Dr.P.Vanathi	HOD	Biotechnology, SASC	
5	Mr.P.Senthilkumaran	HOD	Biochemistry, SASC	
6	Dr. G.Dhanasekaran	HOD	Botany, SASC	
7	Mr.N.Hariprabhu	Asst.professor	Chemistry, SASC	
8	Mr. A.Kumaresan	Asst.professor	Electronics & Physics, SASC	

  
Director-Research & Collaboration

  
Principal

ATTESTED

  
PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.



Since 1991

# SENGUNTHAR ARTS AND SCIENCE COLLEGE

(Affiliated to Periyar University, Salem and Approved by AICTE, New Delhi)

An ISO 9001:2015 Certified Institution

Recognised under section 2(f) and 12(B) of the UGC Act 1956 and Accredited by NAAC

TIRUCHENGODE - 637 205



## Research Cell - Minutes of Meeting

29.12.2020

The meeting of Research Cell was held on 29.12.2020 (FN) at IQAC with the following members and major points were discussed as detailed:

Dr. S. RAVIKUMAR Principal	-	Chair Person
Dr. R. VIJAYARANGAN Director-Research & Collaborations	-	Research Advisor
Dr. P. VANATHI Head, PG & Research Department of Biotechnology	-	Member
Dr. P. VENKATACHALAM Head, PG & Research Department of Microbiology	-	Member
Dr. S. POORNIMA Head, Department of Chemistry	-	Member
Mr. P. SENTHILKUMARAN Head, Department of Biochemistry	-	Member
Mr. A.S. ARUNACHALAM Head, Department of Business Administration	-	Member
Dr. N. VIDHYADEVI Asst. Prof., Department of Business Administration	-	Member
Mr. T.S. VADEVEL Placement Coordinator	-	Member

Minutes of the Meeting:

Dr. S. RAVIKUMAR, Principal welcomed the members of the Research Cell. Discussion with Dr. R. VIJAYARANGAN, Research Advisor and Members of RC were as under:

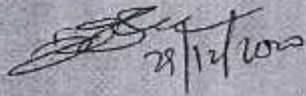
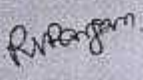
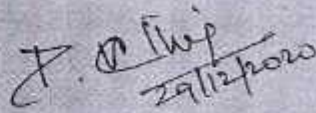

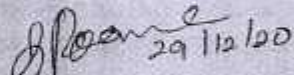
ATTESTED

PRINCIPAL

SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

- Research plan for every department has to be executed.
- Every department has to identify subject wise research thrust areas, staff research activity, research target groups, Centre of Excellence, external facility (MoU with Government & Non-Governmental organization), infrastructure requirements for research activity and research forum activity.
- Establishment of Incubation Centre – E-YUVA (BIRAC).
- Submission of upcoming two project proposal was discussed.
- Various funding schemes of BIRAC and ICSSR were suggested.
- International and National collaboration with our college was also recommended by research advisor.

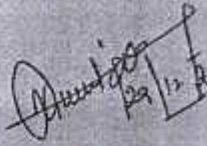
Certain suggestions and modification were also given by Research Advisor on visiting laboratories and staff room such as Vision, Mission of Department in vinyl board, faculty members name list updating, laboratory equipment details in vinyl board, class room identification in vinyl board.

Member's	Signature
Dr. S. RAVIKUMAR Principal	-  28/12/2020
Dr. R. VIJAYARANGAN Director-Research & Collaborations	-  R. Vijayarangan
Dr. P. VANATHI Head, PG & Research Department of Biotechnology	-  29/12/2020
Dr. P. VENKATACHALAM Head, PG & Research Department of Microbiology	-  A.P. Venkatchalam 29/12/20
Dr. S. POORNIMA Head, Department of Chemistry	-  29/12/20

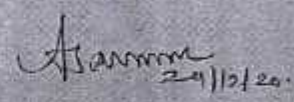
**ATTESTED**

  
PRINCIPAL,  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

Mr. P. SENTHILKUMARAN  
Head, Department of Biochemistry

-   
29/12/20

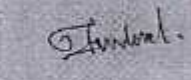
Mr. A.S. ARUNACHALAM  
Head, Department of Business Administration

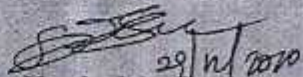
-   
29/12/20

Dr. N. VIDHYADEVI  
Asst. Prof., Department of Business Administration

-   
29/12/20

Mr. I.S. VADEVEL  
Placement Coordinator

-   
29/12/20

  
29/12/2020  
Head of the Institution

**ATTESTED**

  
PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.



PERIYAR UNIVERSITY, SALEM - 11.



From  
The Registrar,  
Periyar University,  
Salem - 636 011.

To  
The Secretary & Correspondent,  
Sengunthar Arts & Science College,  
Tiruchengode - 637 205.

No. PUR/B5/04123/2003

Date: 19.06.2003

Sir,

Sub: Periyar University, Salem - Minutes of the 36th Meeting of the  
Syndicate - Follow up action - Reg.  
Ref: Item No. III (9) of the 36th Meeting of the Syndicate held on  
7.06.2003.

-- 000 --

In pursuance of the reference cited, I am by direction to inform you that the  
Syndicate has resolved to grant provisional recognition to the following department for  
doing research work leading to M.Phil & Ph.D. Full-Time and Part-Time Programme.  
The provisional affiliation is to be renewed every year.

S.No.	Name of the Department	Recognition granted
01.	Microbiology	M.Phil & Ph.D. (Full-Time & Part-Time)

The No. of Candidates to be admitted in Microbiology department for M.Phil &  
Ph.D course are given below:

S.No	Name of the Department	M.Phil & Ph.D	No of Candidates
01.	Microbiology	Ph.D - M.Phil -	4 per Guide 4 per Guide (subject to a maximum of 12 for the Department)

Yours faithfully,

R. Senthil Kumar  
Registrar. 19/6.

19/6

ATTESTED

PRINCIPAL

SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

ATTESTED

PRINCIPAL

SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.



பெரியார் பல்கலைக்கழகம்  
சேலம்-636 011



ஆய்வுரை

பதிவாளர்,  
பெரியார் பல்கலைக்கழகம்,  
சேலம்- 636 011

பெற்றார்

முதல்வர்,  
செயலாற்றைக் கலை மற்றும் அறிவியல் கல்லூரி,  
சிதிரசெங்கோடு

பெ.ப/ப/வி5/ 009203/2008

நாள்: 04-08-2008.

ஐயா:

பொருள்: பெரியார் பல்கலைக்கழகம் - 2008-09ம் ஆண்டிற்கு - உயிரி தொழில்நுட்பவியல் துறையில் - ஆய்வியல் நினைவுரை பட்ட படிப்பிற்கு உயிரி தொழில்நுட்பவியல் துறையை ஆய்வுத்தரையாக அங்கீகாரம் வழங்குவது - தொடர்பாக.

- பார்வை:
- 1) தங்கள் கல்லூரி முதல்வரின் கடித எண் 853/SASC/M.Phil-Biotechnology/2008-09 நாள்: 29-04-2008.
  - 2) இவ்வனுபவக் கடித நாள்: 04-07-2008.
  - 3) 22-05-2008 அன்று சட்டபெற்றார் 63வது ஆட்சிக் குழு கட்டத்தின் பொருள் நில இனம் 26 (a) (b).
  - 4) பா. வல்லுநர்களின் அறிக்கை 22-07-2008.

பார்வை (1)ல் கண்ட தங்களுக்கான கடிதத்திற்கு, தங்கள் கல்லூரிக்கு 2008-09ம் ஆண்டிலிருந்து உயிரி தொழில்நுட்பவியல் ஆய்வியல் நினைவுரை (முழு மற்றும் பகுதி நேரம்) பட்ட படிப்பு தொடங்குவதற்கு தங்கள் கல்லூரியில் உயிரி தொழில்நுட்பவியல் துறையை ஆய்வு துறையாக அங்கீகாரம் வழங்கி ஒப்புதல் அளிக்கப்படுகிறது.

மேலும், ஒரு தேரியாளருக்கு நான்கு மாணவர்கள் மற்றும் துறைக்கு அதிகப்பட்சமாக 12 மாணவர்களுக்கு மிகாமல் (முழு மற்றும் பகுதி நேரம்) சேர்க்கைக்கு அனுமதி வழங்கப்படுகிறது.

இத்கடிதம் பெற்றுகொண்ட மைக்கரான் ஒப்புகையை உடன் அனுப்பி வைக்கவும்.

நகல்:  
தேர்வாளரைப் பெரியார் பல்கலைக்கழகம், சேலம்-11

பதிவாளர்(பொ).

PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

KVP

ATTESTED

PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.



**SENGUNTHAR ARTS AND SCIENCE COLLEGE**  
(Affiliated to Periyar University, Salem and Approved by AICTE, New Delhi)  
An ISO 9001:2008 Certified Institution  
Recognised under section 2(f) and 12(B) of the UGC Act 1956  
Accredited by NAAC Tiruchengode – 637 205  
**PG & RESEARCH DEPARTMENT OF MICROBIOLOGY**  
**DEPARTMENT OF MICROBIOLOGY**



**M.PHIL AND PH.D RESEARCH LABORATORY**

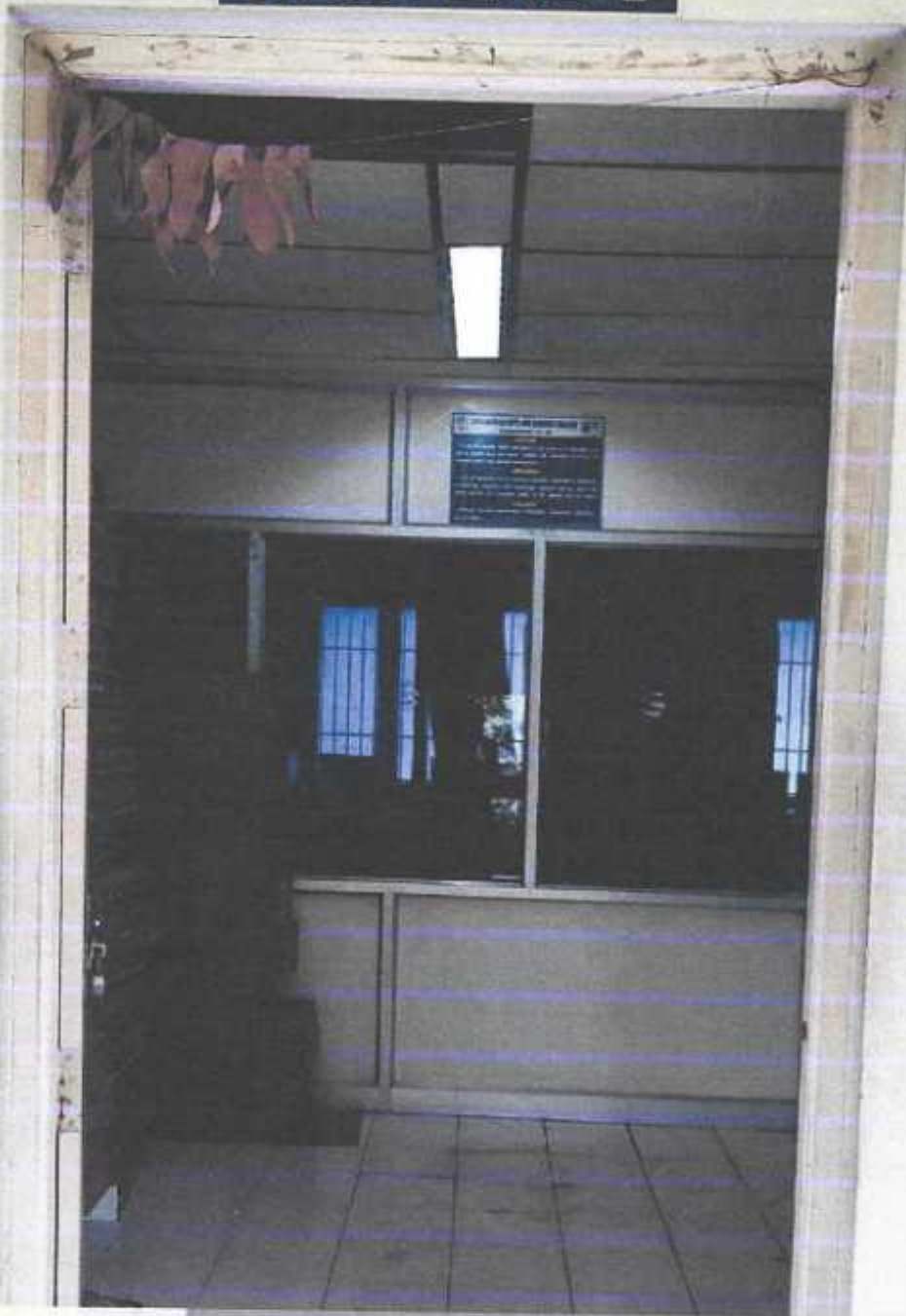


**ATTESTED**

**PRINCIPAL**  
**SENGUNTHAR ARTS AND SCIENCE COLLEGE**  
**TIRUCHENGODE - 637 205.**

6

MCA LAB-I



MCA RESEARCH LAB

SENGUNTHAR ARTS AND SCIENCE COLLEGE

Tamil Nadu

India

28°C

82°F

2021-10-06(Wed) 13:11

ATTESTED

PRINCIPAL

SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.





# MCA RESEARCH LAB

SENGUNTHAR ARTS AND SCIENCE COLLEGE



Tamil Nadu

India

28°C

82°F

2021-10-06(Wed) 13:10



PRINCIPAL,  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
VIRUCHINAGAR - 637 205.



Since 1991

**SENGUNTHAR ARTS AND SCIENCE COLLEGE**  
(Affiliated to Periyar University, Salem and Approved by AICTE, New Delhi)  
An ISO 9001:2015 Certified Institution  
Recognised under section 2(f) and 12(B) of the UGC Act 1956  
Accredited by NAAC  
TIRUCHENGODE – 637 205



**DETAILS OF THE PROJECT APPLIED TO VARIOUS GOVT. FUNDING AGENCIES FROM THE ACADEMIC YEAR, 2017 – 2022**

S.No	Name of the PI	Department	Year	Funding Agency & Scheme	Title of the Project
1	Dr P. Ventachalam	Microbiology	2017	TNSCST	Bioprospects of marine actinomycetes against multi drug resistant Mycobacterium tuberculosis
2	Dr.P.Ventachalam	Microbiology	2018	DST	Synthesis of nanofungicides, characterization and their potency against phytopathogens
3	Dr.P.Vanathi	Biotechnology	2019	DST - SEED	Empowerment and Development of Rural women with training in adaptable techniques
4	Dr.P.Vanathi	Biotechnology	2020	SERB	Role of the ligand based targeted cancer therapy using biopolymer with bioactive compounds
5	Dr.P.Vanathi	Biotechnology	2020	DBT	Formulation of biocompatible Withania somnifera, chitooligomer gel and graft on diabetic wound healing
6	Dr.G.DhanaSekaran	Botany	2020	TNSCST	Evaluation of antiviral properties of selected medicinal plants on sars-covona pseudoviral particles
7	Dr.S.Ravikumar	Electronics	2021	NCSTC (STEMM)	Designed to meet the living/learning standards on science - Hands on activities for school teachers & students of Namakkal district
8	Dr.P.Vanathi	Biotechnology	2021	BIRAC – BIG GRANT	Role of liposomes encapsulated biosynthesized nanoparticle of Datura innoxia against Alzheimer's disorder: In vitro and In vivo

**ATTESTED**

PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

38

9	Dr.P.Vanathi	Biotechnology	2021	Patent	Fabrication of Collagen enriched Nanochitooligomer composite gel graftfor wound tissue regeneration
10	Dr.G.Dhanasekaran	Botany	2021	Patent	Fabrication of Collagen enriched Nanochitooligomer composite gel graftfor wound tissue regeneration
11	Dr P.Ashokkumar	Microbiology	2021	TNSCST	Synthesis of Silver Nanoparticles by Chemical and Biological Methods for Antibacterial Activity
12	Dr T.Navamani	Microbiology	2021	TNSCST	Isolation and characterization of biosurfactant producing bacteria from oil contaminated soil and enhancing of biosurfactant production using agricultural waste material.
13	Dr.P.Venkatachalam	Microbiology	2021	TNSCST	A Statistical Survey of Occurrence and Persistence Of Various Diseased Symptoms In Covid-19 Recovered Cases Around Tiruchengode
14	Dr.P.Venkatachalam	Microbiology	2022	TNSCST	A Comparative Study of Physiochemical, Microbial Composition of Panchagavya Prepared from the Raw Materials of Local Breed Cows.
15	Dr.P.Venkatachalam	Microbiology	2022	ICSSR	An Anthropogenic Effect of Cauvery Water on Public Health in Namakkal District

**ATTESTED**

  
**PRINCIPAL**  
**SENGUNTHAR ARTS AND SCIENCE COLLEGE**  
**TIRUCHENGODE - 637 205.**

## EDC CELL INAUGURATION PHOTOS DECEMBER-2016

**SENGUNTHAR ARTS & SCIENCE COLLEGE**  
TIRUCHENGODE

Affiliated to Panna University, Salem. Approved by AICTE, New Delhi.  
An ISO 9001:2008 Certified Institute.  
Recognized under section 22 and 22B of the UGC Act, 1956.  
Accredited by NAAC.

**INAUGURATION**  
of  
**ENTREPRENEURSHIP DEVELOPMENT CELL (EDC)**  
*Be the Game Changer*

DATE : 30.12.2016    TIME : 10.30 A.M    VENUE : MCA Conference Hall

**SENGUNTHAR**  
**ARTS AND SCIENCE COLLEGE**

(Affiliated to Panna University, Salem and Approved by AICTE, New Delhi)  
An ISO 9001:2008 Certified Institute.  
Recognized under section 22 and 22B of the UGC Act, 1956 and Accredited by NAAC.  
Tiruchengode - 637 205, Marudhai St., Tiruchengode.

**INAUGURATION OF ENTREPRENEURSHIP DEVELOPMENT CELL (EDC)**  
Venue : M.C.A. Conference Hall/A.C. Date : 30-12-2016 Time : 10.30 A.M

**Message Addressed:**  
**DR. S. ANJUSUDAM**  
Principal, Sengunthar Arts and Science College,  
Tiruchengode, Panna University, Salem.

**Presidential Address:**  
**DR. JAYASINGH T.S. BALAKRISHNAN**  
President, Sengunthar Education Trust,  
Tiruchengode.

**Invitation:**  
**PROF. ER. R. RAJASCRAMAN** (I),  
Secretary & Correspondent,  
Sengunthar Arts and Science College,  
Tiruchengode.

**Inaugural Address:**  
**PROF. K. BALASUBRAMANIAM**, M.A., M.Phil.,  
Dean & 2014 Guest of Honor,  
Sengunthar Arts and Science College,  
Tiruchengode.

**Chief Guest Address:**  
**MR. R. SWANESAN**  
President,  
Federation of M. Trade and Industry Associations  
(FATMA), Salem.

**Vote of Thanks:**  
**DR. P. SALLADHARAN**  
Joint Professor, Dean of A.C.  
Sengunthar Institute of Management,  
Sengunthar Arts and Science College,  
Tiruchengode.



**ATTESTED**

  
**PRINCIPAL,**  
**SENGUNTHAR ARTS AND SCIENCE COLLEGE**  
**TIRUCHENGODE - 637 205.**

**ATTESTED**

  
**PRINCIPAL,**  
**SENGUNTHAR ARTS AND SCIENCE COLLEGE**  
**TIRUCHENGODE - 637 205.**



# ENTREPRENEURSHIP DEVELOPMENT AND INNOVATION INSTITUTE

Department of MSME - Government of Tamil Nadu



a compass for your business destination

## INNOVATION ENTREPRENEURSHIP DEVELOPMENT PROGRAM

### SPOKE INSTITUTION REGISTRATION FORM

1. NAME OF THE INSTITUTION : SENGUNTHAR ARTS AND SCIENCE COLLEGE
2. STREAM OF INSTITUTION :  University  Affiliated  Autonomous
3. CATEGORY :  Government  Government aided  Self finance
4. AFFILIATED UNIVERSITY : PERIYAR UNIVERSITY SALEM.
5. NAME OF HUB INSTITUTION :  1.CED, Anna University, Chennai  
 2.MIT campus, Anna University, Chennai  
 3.UCE, Anna University, Villupuram  
 4.University of Madras, Chennai  
 5.Sona College of Technology, Salem  
 6.Periyar University, Salem  
 7.Anna University Regional Campus, Coimbatore  
 8.Bharathiyar University, Coimbatore  
 9.UCE, Anna University, Arni  
 10.Sastra University, Thanjavur  
 11.UCE, BIT Campus, Anna University, Trichy  
 12.Bharathihasan University, Trichy  
 13.Alagappa University, karaikudi  
 14.Thyagaraja College of Engineering, Madurai  
 15.Madurai Kamarajar University, Madurai  
 16.Anna University Regional campus, Tirunelveli  
 17.UCE, Anna University, Nagercoil
6. YEAR OF ESTABLISHMENT : 1991
7. LOCALITY TYPE :  Rural  Urban
8. STUDENT GENDER :  MEN  WOMEN  BOTH
9. HIGHEST LEVEL OF PROGRAMME OFFERED :  Phd  PG  UG  Diploma /Others
10. WHETHER THE INSTITUTION HAS INCUBATOR FACILITY? :  YES  NO

**ATTESTED**

  
PRINCIPAL

SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.



# ENTREPRENEURSHIP DEVELOPMENT AND INNOVATION INSTITUTE

Department of MSME - Government of Tamil Nadu



a compass for your business destination

If Yes, Please mention the Specialization

11. ADDRESS : SENGUNTHAR ARTS AND SCIENCE COLLEGE  
SALEM ROAD, TIRUCHENGODE NAMAKKAL DT  
PIN. 637205

12. INSTITUTION CONTACT NO. : 04288-283575

13. EMAIL OF INSTITUTION : info@senguarts.co.in

14. WEBSITE : www.senguarts.co.in

15. DO YOU HAVE AN ENTREPRENEURSHIP ADVISORY COMMITTEE/COUNCIL?

YES  NO

IF YES PLEASE GIVE DETAILS:

16. Total No. of members in the Advisory Committee:

S.No	Name of the Member	Role/Position	E-mail id	Contact no.
1.	Dr. S. RAVIKUMAR	PRINCIPAL	info@senguarts.co.in	9865951305
2.	Mr. B. PRABHU	ASST. PROF	hodbba@senguarts.co.in	9843812636
3.	Dr. V. R. PALANIVELU	HOD- MBA PU	Puedphub2021@gmail.com	9865461065
4.	Mr. S. NIVETHAN	AUDITOR	snivethanassociates@gmail.com	9965572069
5.	Mr. GANESH PANDIAN	TMBL, BRANCH MANAGER	tiruchengodu@tmbank.in	04288 252442
6.	Mr. N. SIVANESAN	PRESIDENT TVK	ramkigroups@gmail.com	9443166067
7.	Mr. S. MOHANRAJ	ENTREPRENEUR	rajbhav267@gmail.com	8248282760

17. NO. OF FACULTY ENGAGED IN ENTREPRENEURSHIP DEVELOPMENT ACTIVITIES: 7

18. HEAD OF THE INSTITUTION

NAME OF HEAD OF THE INSTITUTION : Dr. S. RAVIKUMAR M.Sc., M.Phil., Ph.D.,

DESIGNATION : PRINCIPAL

MOBILE NO. : 98427 53229

EMAIL ID : info@senguarts.co.in

**ATTESTED**

  
PRINCIPAL

SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.



# ENTREPRENEURSHIP DEVELOPMENT AND INNOVATION INSTITUTE

Department of MSME - Government of Tamil Nadu



a compass for your business destination

19.

## EDC - FACULTY COORDINATOR

NAME OF FACULTY : Mr. B. PRABHU  
 DESIGNATION : HOD & ASST PROF  
 DEPARTMENT : BUSINESS ADMINISTRATION  
 MOBILE NO : 9843812636  
 EMAIL ID : bprabhuinfo@gmail.com

20.

## EDC - DEPARTMENT COORDINATOR

S.no	Department	Name of the Coordinator	Designation	E-mail id	Contact no.
1.	ELECTRONICS	Dr.S.RAVIKUMAR	HOD	hodelectronics@senguarts.co.in	9865951305
2.	MICROBIOLOGY	Dr.A.P.VENKATACHALAM	HOD	hodmicrobiology@senguarts.co.in	9842574782
3.	Commerce CA	Dr.L.RAJENDRAN	HOD	hodcommerceca@senguarts.co.in	8248675290
4.	COMMERCE	Dr.M.REVATHY	HOD	hodcommerce@senguarts.co.in	9788037645
5.	BUSINESS ADMIN	Mr.A.S.ARUNACHALAM	ASST PROF	arunmalvel@gmail.com	9842054440
6.	BIO-CHEM	Mr.P.SENTHIL KUMARAN	HOD	hodbiochemistry@senguarts.co.in	9965019928
7.	COMP SCIENCE	Mr.G.SENTHIL KUMAR	ASST PROF	Sathyabea15@gmail.com	9952835308

## 21. SETTING UP OF E CELL:

a) Location of E cell : TRAINING & PLACEMENT CELL b) Availability of Space:2397 in sqft

c) Facilities available: i) Internet Yes ii) Telephone Yes

d) Budget allotted for the year (or proposed to be allotted):Rs 25000/-

**ATTESTED**

PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.



# ENTREPRENEURSHIP DEVELOPMENT AND INNOVATION INSTITUTE

Department of MSME - Government of Tamil Nadu



Prepares for your business destination

## TERMS & CONDITIONS

1. The Institution shall form an Advisory committee for advising the matters related entrepreneurship, innovation, and startup promotion. The committee is responsible for nominating the EDC and Department coordinators for promotion of entrepreneurship & innovation-related initiatives.
2. The Institution shall assure to nominate & send EDC coordinators and other faculties to the programmes conducted by EDII under IEDP.
3. Institution shall assure to conduct the following activities:
  - a. To publish and disseminate various events through posters, websites, notice boards, and prominent places in the college premises.
  - b. Organize lectures, workshops, and seminars in different domains by the mentors and experts in the field to create awareness and sharpen the knowledge of the students towards entrepreneurship.
  - c. Mentorship support to students who have business ideas appreciable by the institution and also create a network with the hub by giving proper direction for converting the business ideas/projects into viable business model.
  - d. To build relationship with alumni for long-standing growth of E-cell.
  - e. Encourage all students interested in E&I activities, with an added focus on women and other underprivileged classes.
4. Faculties, staff & students shall be encouraged to do courses on Innovation, Entrepreneurship management and venture development.
5. Students shall be encouraged to develop entrepreneurial mindset through experiential learning by exposing them in cognitive skills training (e.g. design thinking, critical thinking, etc.), by inviting first-generation local entrepreneurs or experts to address young minds, by conducting idea and innovation competitions, hackathons, workshops, bootcamps, seminars, conferences, exhibitions, mentoring by academic and industry personnel, throwing real-life challenges, awards and recognition etc.

**ATTESTED**

PRINCIPAL

SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.





# ENTREPRENEURSHIP DEVELOPMENT AND INNOVATION INSTITUTE

Department of MSME - Government of Tamil Nadu



a compass for your business destination

6. For strengthening the innovation funnel of the institute, access to financing may be opened for the potential entrepreneurs. Networking events may be organized to create a platform for the budding entrepreneurs to meet investors and pitch their ideas.
7. In the beginning of every academic session, institute should conduct an induction program about the importance of F&I so that freshly inducted students 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.
8. Stakeholder engagement should be given prime importance in the entrepreneurial agenda of the institute. Institutes should find potential partners, micro, small and medium-sized enterprises (MSMEs), social enterprises, schools, alumni, professional bodies and entrepreneurs to support entrepreneurship and co-design the programs.
9. Mechanisms should be devised by the institutions to ensure maximum exploitation of entrepreneurial opportunities with industrial and commercial collaborators.
10. Single Point of Contact (SPOC) mechanism should be created in the institute for the students, faculty, collaborators, partners and other stakeholders to ensure access to information regarding Innovation & Entrepreneurship.

I acknowledge that I have read, and do hereby accept the above terms & conditions

Signature of the EDC Coordinator

Signature of the Principal / DEAN

( with seal )

PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

ATTESTED

PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.



## UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER

UDYAM-TN-14-0038695

NAME OF ENTERPRISE

SENGUNTHAR COLLEGE OF ARTS AND SCIENCE

TYPE OF ENTERPRISE \*

S.No.	Classification Year	Enterprise Type	Classification Date
1	2022-23	Micro	10/01/2023

MAJOR ACTIVITY

**MANUFACTURING**

SOCIAL CATEGORY OF ENTREPRENEUR

OBC

NAME OF UNIT(S)

S.No.	Name of Unit(s)
1	SASC-SMART-MICROBIAL FORMULATIONS

OFFICIAL ADDRESS OF ENTERPRISE

Flat/Door/Block No.	CODE-127	Name of Premises/ Building	SENGUNTHAR COLLEGE OF ARTS AND SCIENCE
Village/Town	NEIKKARAPATTY	Block	THIRD
Road/Street/Lane	SALEM ROAD	City	TIRUCHENGODE
State	TAMIL NADU	District	NAMAKKAL, Pin 637205
Mobile	9842574782	Email:	venmalar.2007@rediffmail.com

DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE

01/12/2022

DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS

01/12/2022

NATIONAL INDUSTRY CLASSIFICATION CODE(S)

S.No.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity
1	21 - Manufacture of pharmaceuticals, medicinal chemical and botanical products	2100 - Manufacture of pharmaceuticals, medicinal chemical and botanical products	21009 - Manufacture of other pharmaceutical and botanical products n.e.c. like hiza powder etc.	Manufacturing

DATE OF UDYAM REGISTRATION

10/01/2023

\* In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the M/o MSME.

Disclaimer: This is computer generated statement, no signature required. Printed from <https://udyamregistration.gov.in> & Date of printing:- 10/01/2023

For any assistance, you may contact:

1. District Industries Centre: NAMAKKAL (TAMIL NADU)

2. MSME-DFO: CHENNAI (TAMIL NADU)

Visit : [www.msme.gov.in](http://www.msme.gov.in) ; [www.dcmsme.gov.in](http://www.dcmsme.gov.in) ; [www.champions.gov.in](http://www.champions.gov.in)

Follow us @minmsme & @msmechampions



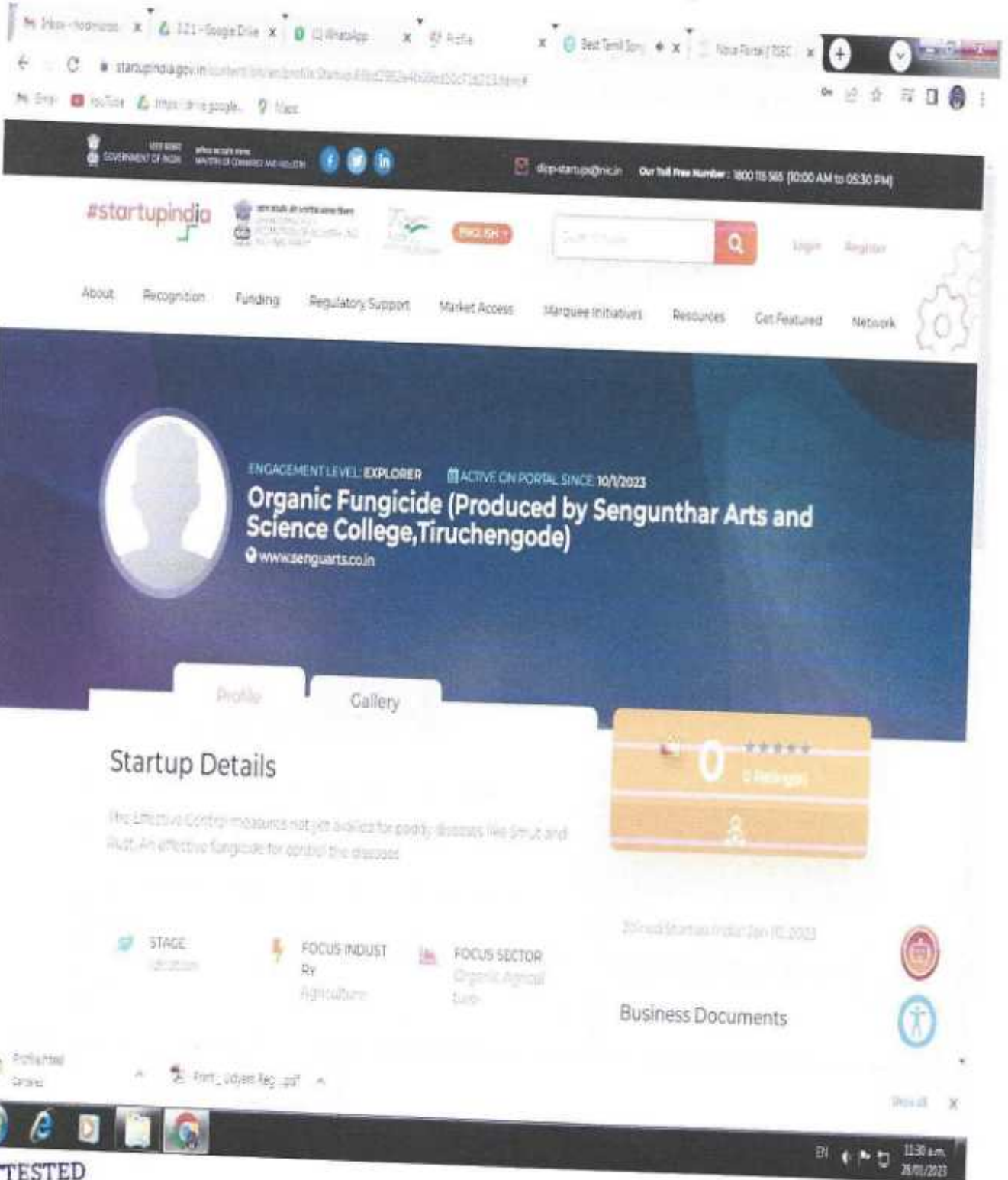
**BE A CHAMPION**  
with the  
Ministry of  
**MSME**

ATTESTED

PRINCIPAL,  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.



**SENGUNTHAR ARTS AND SCIENCE COLLEGE**  
 (Affiliated to Periyar University, Salem and Approved by AICTE, New Delhi)  
 An ISO 9001:2015 Certified Institution  
 Recognised under section 2(f) and 12(B) of the UGC Act 1956  
 Accredited by NAAC  
 Tiruchengode – 637 205, Namakkal Dt., Tamilnadu



**ATTESTED**

*[Signature]*  
 PRINCIPAL

**SENGUNTHAR ARTS AND SCIENCE COLLEGE**  
 TIRUCHENGODE - 637 205.

**Registration in STARTUP INDIA**



**INNOVATION CELL**  
(Government of India)



**Ministry of Education**  
(Government of India)



**ATAL RANKING OF INSTITUTIONS  
ON INNOVATION ACHIEVEMENTS**

# Certificate of Recognition

This is to certify that

**SENGUNTHAR ARTS & SCIENCE COLLEGE**

is recognised in the band "BEGINNER" under the category  
"General (Non-Technical)"

in Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2021,  
a flagship program of the Ministry of Education, Government of India.

29th December 2021.

**Dr. Anil D Sahasrabudhe**  
Chairman, AICTE

**Shri K Sanjay Murthy**  
Secretary (HE), MoE

**Dr. Abhay Jere**  
Chief Innovation Officer  
MoE's Innovation Cell

**ATTESTED**

**PRINCIPAL**  
**SENGUNTHAR ARTS AND SCIENCE COLLEGE**  
TIRUCHENGODE - 617 206.



Government  
of Canada

Gouvernement  
du Canada

[Canada.ca](#) → [Business](#) → [Intellectual property and copyright](#) → [Intellectual property databases](#)  
→ [Canadian Copyright Database](#)

# Canadian Copyright Database

▶ [Third-Party Information Liability Disclaimer](#)

The links on the text provide access to the help file.

**Title:**

Artificial Intelligence in Smart Farms

**Type:**

Copyright

**Registration Number:**

1188724

**Status:**

Registered

**Registered:**

2021-12-09

**Category of Work:**

Literary

**Interested Parties:**

**Owner:**

**Person Name**

Dr. J Chandra Sekhar

**Original Address:**

Professor & Head, Department of Computer Science & Engineering, NRI Institute of Technology, Visadala  
Road, Perecherla, Guntur, Andhra Pradesh Guntur  
522438

India

**Current Address:**

Same as original address.

ATTESTED

**Person Name**

PRINCIPAL

SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

Mr. SK. Yakoob

**Original Address:**

Associate Professor, Department of CSE, Sai Spurthi Institute of Technology B.Gangaram, Sathupally,  
Khammam Khammam  
507303  
India

**Current Address:**

Same as original address.

**Person Name**

Dr. Aarti

**Original Address:**

Guest Faculty, Department of Computer Science and Information Technology, University of Haryana, India  
Mahendergarh  
123031  
India

**Current Address:**

Same as original address.

**Person Name**

Dr. J. K. Kanimozhi

**Original Address:**

Assistant Professor / Computer Science PG & Research Dept. of Computer Science, Sengunthar Arts and  
Science College Tiruchengode  
637211

India

**Current Address:**

Same as original address.

**Person Name**

Dr. Koli Gajanan Chandrashekhar

**Original Address:**

Assistant Professor, Mechanical Engineering Department., Sanjeevan Engineering & Technology Institute,  
Panhala Sanjeevan knowledge city , Panhala Dist. Kolhapur  
416201


India

**Current Address:**

Same as original address.

**ATTESTED**

**Person Name**

  
PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

# FORM 9

THE PATENT ACT, 1970  
(39 of 1970)  
&  
THE PATENTS RULES, 2003

## REQUEST FOR PUBLICATION

[See section 11A (2) rule 24A]

I/We **Dr. V. C. Shanker, Dr. R. V. Suresh, MD FAIYAZ AHMED N, Dr. Kirti Sharma, Pravin Dnyaneshwar Sawant, Dr. P. Nagarajan, Dr. S. Anbarasu, Dr. K. Parthiban, Dr. C. Kala, S. Sekar** hereby request for early publication of my/our [Patent Application No.] **TEMP/E-1/61975/2021-CHE**

Dated **25/11/2021 00:00:00** under section 11A(2) of the Act.

Dated this (Final Payment Date):-----

Signature

Name of the signatory

To,  
The Controller of Patents,  
The Patent Office,  
At Chennai

This form is electronically generated.

**ATTESTED**



PRINCIPAL

**SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.**



Office of the Controller General of Patents, Designs & Trade Marks  
Department of Industrial Policy & Promotion,  
Ministry of Commerce & Industry,  
Government of India



Application Details

APPLICATION NUMBER	202141043268
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/09/2021
APPLICANT NAME	1 . Anumugam Ranjith 2 . S.Sekar 3 . Gowrishankkar V 4 . Dr.S.Kavitha 5 . Dr. C. SUBATHRA 6 . Dr. R.NAGESWARI 7 . Dr. H. Vasudevan 8 . Dr S G BALAJI 9 . Mrs.T.Subha 10 . Mr. D. YUVASHANKAR, 11 . Dr.Y.Babu vinothkumar
TITLE OF INVENTION	Consumer Attitudes towards International and Local Brands in the Indian Manufacturing Sector
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	ranjithace@gmail.com
ADDITIONAL-EMAIL (As Per Record)	arwarzhathrik@gmail.com
E-MAIL (UPDATED-Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S-11A)	01/10/2021

ATTESTED

PRINCIPAL  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.



**FORM 9**

THE PATENT ACT, 1970  
(39 of 1970)  
&  
THE PATENTS RULES, 2003

**REQUEST FOR PUBLICATION**

[See section 11A (2) rule 24A]

I/We **Arumugam Ranjith S. Sekar** **Gowrishankar**  
**VDr.S.Kavitha** **Dr. C. SUBATHRA** **Dr. R.NAGESWARIDr.**  
**H. Vasudevan** **Dr S G BALAJI** **Mrs.T.Subha** **Mr. D.**  
**YUVASHANKAR**, hereby request for early publication of  
my/our [Patent Application No.] 202141043268 **DATED 23 Sep**  
**2021 UNDER SECTION 11A(2) OF THE ACT.**

Dated this (Final Payment Date):-----

Signature  
(.....)

To,  
The Controller of Patents,  
The Patent Office  
AT CHENNAI

This form is electronically generated.

**ATTESTED**

  
PRINCIPAL  
**SENGUNTHAR ARTS AND SCIENCE COLLEGE**  
TIRUCHENGODE - 637 205.



Application Details

APPLICATION NUMBER	202141041446
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/09/2021
APPLICANT NAME	1 . Arumugam Ranjith 2 . S Sekar 3 . Vidhya Arumugam 4 . Dr. T. ARUNMOZHI 5 . DR.N.SUJATHA 6 . Dr.R.Umarani 7 . D.Prabha 8 . Dr. MOORTHY, D 9 . Dr.S Praveen Kumar 10 . Dr AVR Akshaya 11 . Dr.R.INDUMATHY
TITLE OF INVENTION	Impact of increasing e-commerce in India during covid-19
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	aranjithce@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	01/10/2021

ATTESTED

PRINCIPAL,  
SENGUNTHAR ARTS AND SCIENCE COLLEGE  
TIRUCHENGODE - 637 205.

**FORM 9**

THE PATENT ACT, 1970  
(39 of 1970)  
&  
THE PATENTS RULES, 2003

**REQUEST FOR PUBLICATION**

[See section 11A (2) rule 24A]

I/We **Arumugam Ranjith S Sekar Vidhya Arumugam Dr. T. ARUNMOZHIDR.N.SUJATHADR.R.UmaraniD.PrabhaDr. MOORTHY. DDr.S Praveen KumarDr AVR Akshaya** hereby request for early publication of my/our [Patent Application No.] **202141041446 DATED 14 Sep 2021** UNDER SECTION 11A(2) OF THE ACT.

Dated this (Final Payment Date):-----

Signature  
(.....)

To,  
The Controller of Patents,  
The Patent Office  
AT CHENNAI

This form is electronically generated.

**ATTESTED**



**PRINCIPAL**  
**SENGUNTHAR ARTS AND SCIENCE COLLEGE**  
**TIRUCHENGOOR - 637 205.**