



**SENGUNTHAR ENGINEERING COLLEGE**  
(AUTONOMOUS)  
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade  
TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



03.07.2020

Ref. No.: SEC/R&D/2020-2021/01

**Research & Development Cell**

**CIRCULAR**

The first Research and Development Cell meeting for the academic year 2020 – 2021 is scheduled on 10.07.2020 (Friday) at 10.00 a.m. in IQAC Board Room. The following members are requested to kindly make it convenient to attend the meeting.

S. No.	Category	Name	Designation
1	Chairperson	Dr.C.Venkatesh	Principal
2	Coordinator of the IQAC	Dr.M.Selvakumar	Assoc. Prof. & HOD/MECH
3	Deans	Dr.B.Sujatha	Dean (Academics)
		Dr.P.Rameshkumar	Dean (Research & Development)
		Dr.K.L.Palanisamy	Dean (Student Affairs)
4	Internal Members /HoDs	Mrs.N.Kiruthika	Asst. Prof. & HOD (i/c)/CIVIL
		Dr.M.Sakthivel	Assoc. Prof. & HOD/CSE
		Dr.C.Aarthi	Assoc. Prof. & HOD/ECE
		Dr.K.Umadevi	Professor & HOD/EEE

**Points to be discussed:**

- Research and Development plans for the academic year 2020-21
- Faculty publications in Conferences & Journals
- Student participation in Symposium & Conferences
- Final year students' projects
- Student project submission in events / contests.
- Any other points

DEAN (R&D)  
9/7/20

03/07/2020  
PRINCIPAL

Copy to

- Members of the R&D Cell
- IQAC File
- Office

Copy Submitted to the Correspondent, SEC






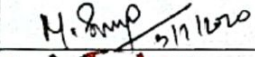

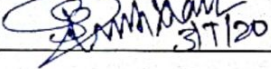
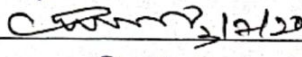
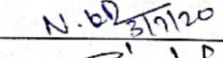
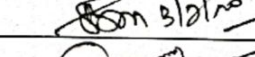
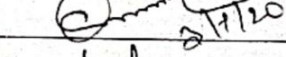
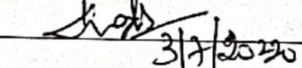
# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



Signature of the receiver:

S.No.	Name	Designation	Signature with date
1	Dr.C.Venkatesh	Principal	 03/07/2020
2	Dr.M.Selvakumar	Assoc. Prof. & HOD/MECH	 31/7/20
3	Dr.B.Sujatha	Dean (Academics)	 31/7/20
4	Dr.P.Rameshkumar	Dean (Research & Development)	 31/7/20
5	Dr.K.L.Palanisamy	Dean (Student Affairs)	 31/7/20
6	Mrs.N.Kiruthika	Asst. Prof. & HOD (i/c)/CIVIL	 31/7/20
7	Dr.M.Sakthivel	Assoc. Prof. & HOD/CSE	 31/7/20
8	Dr.C.Aarthi	Assoc. Prof. & HOD/ECE	 31/7/20
9	Dr.K.Umadevi	Professor & HOD/EEE	 31/7/20





# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



10.07.2020

## Research & Development Cell

### Minutes of the Meeting

The first Research and Development Cell meeting for the academic year 2020-2021 was held on 10.07.2020 (Friday) at 10.00 a.m. in IQAC Board Room. The following members were present for the meeting.

S. No.	Category	Name	Designation	Signature
1	Chairperson	Dr.C.Venkatesh	Principal	
2	Coordinator of the IQAC	Dr.M.Selvakumar	Assoc. Prof. & HOD/MECH	
3	Deans	Dr.B.Sujatha	Dean (Academics)	
		Dr.P.Rameshkumar	Dean (Research & Development)	
		Dr.K.L.Palanisamy	Dean (Student Affairs)	
4	Internal Members /HoDs	Mrs.N.Kiruthika	Asst. Prof. & HOD (i/c)/CIVIL	
		Dr.M.Sakthivel	Assoc. Prof. & HOD/CSE	
		Dr.C.Aarathi	Assoc. Prof. & HOD/ECE	
		Dr.K.Umadevi	Professor & HOD/EEE	

#### Agenda:

- 1.1 Research and Development activities for the academic year 2020-21
- 1.2 Faculty publications in conferences & journals
- 1.3 Student participation in symposium & conferences
- 1.4 Final year students' projects
- 1.5 Student project submission in events/contests.
- 1.6 Any other points

#### The minutes of the meeting are as follows:

Dr.C.Venkatesh, Principal welcomed all the members of the R&D Cell for the first R&D Meeting.

1.1 It was resolved to execute the following R&D activities for the academic year 2020 -2021.

- All the research proposals to funding agencies shall be submitted to the R&D Cell for clearance after seeking approval from the Ethics Committee.
- The Ethics Committee is responsible for monitoring the quality of all the publications, patents and research proposals.
- Clearance from Ethics Committee is mandatory for publication of any research work.





# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



1.2 It was resolved to motivate the faculty members

- To publish the papers in national/international conferences.
- To submit the articles in the reputed journals such as UGC/Scopus/SCI Indexed journals.

1.3 It was resolved that faculty members are instructed to motivate students' participation in symposiums, national and international conferences.

1.4 It was resolved

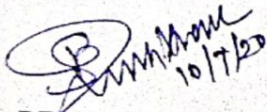
- To conduct periodic review for the final year projects in line with the Continuous Internal Assessments. Besides, it was resolved that all the final year projects have to be presented in atleast 1 international conference and reputed peer reviewed journals.
- To identify suitable final year projects, to apply for patents and convert it into products for commercialization.


1.5 It was resolved that faculty members are to be instructed to encourage students' participation in national level contests, events, hackathons, etc. In addition, final year students shall be motivated to submit their projects in national level contests and events.

1.6 The following points were suggested by the R&D Cell members to improve the research activities of the institution.

1. Financial support may be provided by the management for
  - i. Faculty research projects approved by Ethics Committee and R&D Cell members.
  - ii. Faculty participation in reputed conferences and journals.
2. Incentives may be provided to faculty members for their conference, journal and patent publications with the recommendation of the Ethics Committee and R&D Cell members.
3. Projects shall be converted into products and filed as patents.
4. 5 projects will be submitted to AICTE Vishwakarma Award 2020.

Dr.P.Ramesh Kumar, Dean (R&D) proposed the vote of thanks.

  
DEAN (R&D)

  
PRINCIPAL

Copy to

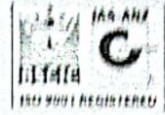
- Members of the R&D Cell
- IQAC File
- Office

Copy Submitted to the Correspondent, SEC





**SENGUNTHAR ENGINEERING COLLEGE**  
(AUTONOMOUS)  
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade  
THRUCHENGODE - 637 205 NAMAKKAL (DT) TAMILNADU



06.07.2020

Ref. No.: SEC/R&D/2020-2021/02

**Ethics Committee**

**CIRCULAR**

The first Ethics Committee Meeting for the academic year 2020 - 2021 is scheduled on 13.07.2020 (Monday) at 10.00 a.m. in IQAC Board Room. The following members are requested to kindly make it convenient to attend the meeting.

S. No.	Category	Name	Designation
1	Chairperson	Dr.C.Venkatesh	Principal
2	Coordinator of the IQAC	Dr.M.Selvakumar	Assoc. Prof. & HOD/MECH
3	Dean	Dr.P.Rameshkumar	Dean (Research & Development)
4	Internal Members	Mr.M.Soundar Rajan	Asst. Prof./CIVIL
		Dr.G.Jayamurugan	Assoc. Prof./CSE
		Mr.A.Rahul	Asst. Prof./ECE
		Mrs.T.Gohila	Assoc. Prof./EEE
		Mr.N.Thiru Senthil Adhiban	Asst. Prof./ MECH
		Dr.K.Vignesh	Asst. Prof./PHY

**Points to be discussed:**

- Research and Development activities for the academic year 2020-21
- Implementation of Research Code of Ethics
- Student project submission in events/contests.
- Any other points

DEAN (R&D)

06/07/2020  
PRINCIPAL

**Copy to**

- Ethics Committee Members
- IQAC File
- Office

**Copy Submitted to the Correspondent, SEC**





# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

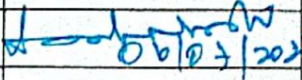
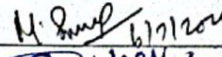
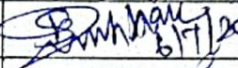

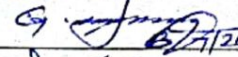
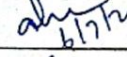
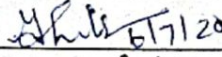
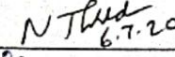
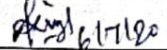
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



Signature of the receiver:

S.No.	Name	Designation	Signature with date
1	Dr.C.Venkatesh	Principal	 6/7/20
2	Dr.M.Selvakumar	Assoc. Prof. & HOD/MECH	 6/7/20
3	Dr.P.Rameshkumar	Dean (Research & Development)	 6/7/20
4	Mr.M.Soundar Rajan	Asst. Prof./CIVIL	 6/7/20
5	Dr.G.Jayamurugan	Assoc. Prof./CSE	 6/7/20
6	Mr.A.Rahul	Asst. Prof./ECE	 6/7/20
7	Mrs.T.Gohila	Assoc. Prof./EEE	 6/7/20
8	Mr.N.Thiru Senthil Adhiban	Asst. Prof./ MECH	 6.7.20
9	Dr.K.Vignesh	Asst. Prof./PHY	 6/7/20





# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU

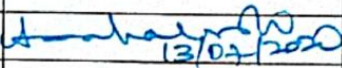
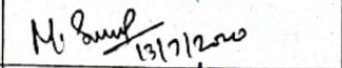
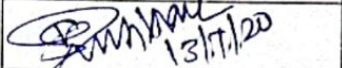
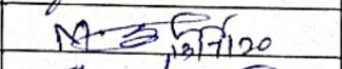
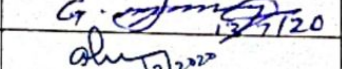
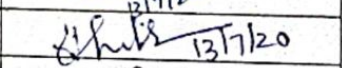
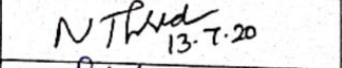
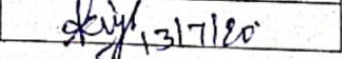



13.07.2020

## Ethics Committee

### Minutes of the Meeting

The first Ethics Committee Meeting for the academic year 2020-2021 was held on 13.07.2020 (Monday) at 10.00 a.m. in IQAC Board Room. The following members were present for the meeting.

S. No.	Category	Name	Designation	Signature
1	Chairperson	Dr.C.Venkatesh	Principal	
2	Coordinator of the IQAC	Dr.M.Selvakumar	Assoc. Prof. & HOD/MECH	
3	Dean	Dr.P.Rameshkumar	Dean (Research & Development)	
4	Internal Members	Mr.M.Soundar Rajan	Asst. Prof./CIVIL	
		Dr.G.Jayamurugan	Assoc. Prof./CSE	
		Mr.A.Rahul	Asst. Prof./ECE	
		Mrs.T.Gohila	Assoc. Prof./EEE	
		Mr.N.Thiru Senthil Adhiban	Asst. Prof./ MECH	
		Dr.K.Vignesh	Asst. Prof./PHY	

#### Agenda:

- 1.1 Research and Development activities for the academic year 2020-21
- 1.2 Implementation of Research Code of Ethics
- 1.3 Student project submission in events/contests
- 1.4 Any other points

#### The minutes of the meeting are as follows:

Dr.C.Venkatesh, Principal welcomed all the members for the first Ethics Committee Meeting.

- 1.1 It was resolved to execute the following R&D activities for the academic year 2020 -2021.
  - All the research proposals to funding agencies are to be reviewed and suitable proposals shall be recommended for approval to the R&D Cell by the Ethics Committee.
  - The Ethics Committee is responsible for monitoring the quality of all the publications, patents and research proposals.
  - Clearance from Ethics Committee is mandatory for publication of any research work.
- 1.2 It was resolved
  - To instruct and inculcate research Code of Ethics among the faculty members to enhance quality research.





## SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade

**TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU**



- To instruct faculty members to ensure quality in their research work by utilizing online plagiarism tools for plagiarism check.
- To instruct faculty members to create awareness among students on plagiarism.

1.3 It was resolved that all the student projects submissions for national level contests, events, hackathons are to be reviewed and recommended by the Ethics Committee to the R&D Cell accordingly.

1.4 The following points were suggested by the Ethics Committee members to improve the research activities of the institution.

1. Purchasing licensed plagiarism checking software.
2. Financial aid for filing patents.

Dr.P.Ramesh Kumar, Dean (R&D) proposed the vote of thanks.

  
13/7/20  
**DEAN (R&D)**

  
13/07/2020  
**PRINCIPAL**

Copy to

- Ethics Committee Members
- IQAC File
- Office

**Copy Submitted to the Correspondent, SEC**





# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



03.03.2021

Ref. No.: SEC/R&D/2020-2021/03

## Ethics Committee

### CIRCULAR

The second Ethics Committee Meeting for the academic year 2020 – 2021 is scheduled on 09.03.2021 (Tuesday) at 10.00 a.m. in IQAC Board Room. The following members are requested to kindly make it convenient to attend the meeting.

S. No.	Category	Name	Designation
1	Chairperson	Dr.C.Venkatesh	Principal
2	Coordinator of the IQAC	Dr.M.Selvakumar	Assoc. Prof. & HOD/MECH
3	Dean	Dr.P.Rameshkumar	Dean (Research & Development)
4	Internal Members	Mr.M.Soundar Rajan	Asst. Prof./CIVIL
		Dr.G.Jayamurugan	Assoc. Prof./CSE
		Mr.A.Rahul	Asst. Prof./ECE
		Mrs.T.Gohila	Assoc. Prof./EEE
		Mr.N.Thiru Senthil Adhiban	Asst. Prof./ MECH
		Dr.K.Vignesh	Asst. Prof./PHY

#### Points to be discussed:

- Review of minutes of the previous meeting
- Research and Development activities
- Seed money for faculty research projects
- Any other points

3/3/21  
DEAN (R&D)

03/03/2021  
PRINCIPAL

#### Copy to

- Ethics Committee Members
- IQAC File
- Office

Copy Submitted to the Correspondent, SEC






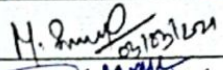
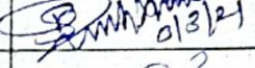
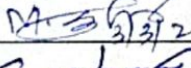


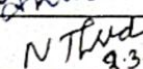
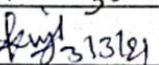

# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



Signature of the receiver:

S.No.	Name	Designation	Signature with date
1	Dr.C.Venkatesh	Principal	 03/03/2021
2	Dr.M.Selvakumar	Assoc. Prof. & HOD/MECH	 03/03/21
3	Dr.P.Rameshkumar	Dean (Research & Development)	 03/03/21
4	Mr.M.Soundar Rajan	Asst. Prof./CIVIL	 3/3/21
5	Dr.G.Jayamurugan	Assoc. Prof./CSE	 3/3/21
6	Mr.A.Rahul	Asst. Prof./ECE	
7	Mrs.T.Gohila	Assoc. Prof./EEE	
8	Mr.N.Thiru Senthil Adhiban	Asst. Prof./ MECH	 3/3/21
9	Dr.K.Vignesh	Asst. Prof./PHY	 3/3/21





# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



09.03.2021

## Ethics Committee

### Minutes of the Meeting

The second Ethics Committee Meeting for the academic year 2020-2021 was held on 09.03.2021 (Tuesday) at 10.00 a.m. in IQAC Board Room. The following members were present for the meeting.

S. No.	Category	Name	Designation	Signature
1	Chairperson	Dr.C.Venkatesh	Principal	
2	Coordinator of the IQAC	Dr.M.Selvakumar	Assoc. Prof. & HOD/MECH	
3	Dean	Dr.P.Rameshkumar	Dean (Research & Development)	
4	Internal Members	Mr.M.Soundar Rajan	Asst. Prof./CIVIL	
		Dr.G.Jayamurugan	Assoc. Prof./CSE	
		Mr.A.Rahul	Asst. Prof./ECE	
		Mrs.T.Gohila	Assoc. Prof./EEE	
		Mr.N.Thiru Senthil Adhiban	Asst. Prof./ MECH	
		Dr.K.Vignesh	Asst. Prof./PHY	

#### Agenda:

- 1.1 Review of minutes of the previous meeting
- 1.2 Research and Development activities
- 1.3 Seed money for faculty research projects
- 1.4 Any other points

#### The minutes of the meeting are as follows:

- Dr.C.Venkatesh, Principal welcomed all the members for the second Ethics Committee Meeting.
- 1.1 The minutes of previous meeting conducted on 13.07.2020 was reviewed and approved as presented.
  - 1.2 The following project proposals were recommended by the Ethics Committee and forwarded to the R&D Cell for submission to funding agencies.





# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade

**TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU**



S.No	Title	PI & Co-PI	Cost	Funding Agency	Scheme
1	Intellectual Property Facilitation Centre (IPFC) at Sengunthar Engineering College	Dr.C.Venkatesh Dr.P.Ponmurugan Dr.M.Selvakumar	Rs. 1,08,52,700	MSME	Intellectual Property Facilitation Centre (IPFC)
2	Management and Recycling of End-of-Life Tyres to Environment Friendly Quality Products	Dr.C.Venkatesh Dr.P.Ponmurugan Dr.M.Selvakumar Dr.C.Aarthi	Rs. 3,86,22,300	DST	Waste Management Technologies
3	21 Days Summer School Training in Geospatial Science and Technology level-I at Sengunthar Engineering college, Tiruchengode	Dr.R.Shanmugam Mr.M.Soundarrajan	Rs. 4,97,480/-	DST	Capacity Building in Geospatial Science and Technology
4	Machine Learning based Predictive Maintenance System for Industrial CNC Machine	Dr.M.Sakthivel Dr.B.Sujatha	Rs. 24,84,000/-	AICTE	RPS
5	Smart Shelter Tracking and Disaster Relief using NLP	Dr.C.Venkatesh Dr.C.Aarthi	Rs. 24,50,000/-	AICTE	RPS
6	Artificial Neural Network (ANN) based Prediction of Aluminium-Silicon Carbide - Lithium (Al-SiC-Li) Composites: Micro structural analyses, Hardness and Mechanical Properties	Dr.M.Selvakumar Dr.C.Aarthi Mr.P.Jagadeeswaran	Rs. 24,78,000/-	AICTE	RPS
7	Mahila Club (Women Empowerment Cell)	Dr.K.Umadevi Ms.S.Bhuvana	Rs. 1,00,000/-	AICTE	SPICES

1.3 The following projects were recommended to the R&D Cell for seed money grant.

S.No.	Title of the project	Name of the PI
1	Flood Geomorphological survey and mapping of surface water potential and degradation study for tamerabarani river stretch using remote sensing and GIS techniques	Dr.M.Seenirajan
2	License eligibility measurement system	Mr.K.Ashok Kumar
3	RFID based bus monitoring system for institution using IoT	Dr.P.Ramesh Kumar
4	Detection of water leakage in public distribution system	Dr.K.Umadevi
5	Design and development of smart tread mill bike	Mr.P.Jagadeeswaran





# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



1.4 The following projects were recommended by the Ethics Committee and forwarded to the R&D Cell for AICTE Chhatra Vishwakarma Award 2020 submission.

S. No.	Department	Team Name	Project Title	Application Number
1	Civil	ASTIVARAM	Agro waste Impregnated Concrete	VISH20208163
2	CSE	SARJANO	Hasth Shilpi	VISH20207349
3	ECE	TECH-CAPTIVATORS	Smart COVID Prevention Public Transportation System	VISH20208146
4	EEE	THE MIGHTY	A Smart Mobile Application for Mental Health	VISH20209598
5	Mechanical	GEAR MECH	A Smart Coconut and Palm Cutting Drone	VISH20208368

Dr.P.Ramesh Kumar, Dean (R&D) proposed the vote of thanks.

  
DEAN (R&D)  
9/3/21

  
PRINCIPAL  
09/03/2021

Copy to

- Ethics Committee Members
- IQAC File
- Office

Copy Submitted to the Correspondent, SEC





# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



10.03.2021

Ref. No.: SEC/R&D/2020-2021/04

## Research & Development Cell

### CIRCULAR

The second Research and Development Cell meeting for the academic year 2020 – 2021 is scheduled on 19.03.2021 (Friday) at 10.00 a.m. in IQAC Board Room. The following members are requested to kindly make it convenient to attend the meeting.

S. No.	Category	Name	Designation
1	Chairperson	Dr.C.Venkatesh	Principal
2	Coordinator of the IQAC	Dr.M.Selvakumar	Assoc. Prof. & HOD/MECH
3	Deans	Dr.B.Sujatha	Dean (Academics)
		Dr.P.Rameshkumar	Dean (Research & Development)
		Dr.K.L.Palanisamy	Dean (Student Affairs)
4	Internal Members /HoDs	Mrs.N.Kiruthika	Asst. Prof. & HOD (i/c)/CIVIL
		Dr.M.Sakthivel	Assoc. Prof. & HOD/CSE
		Dr.C.Aarthi	Assoc. Prof. & HOD/ECE
		Dr.K.Umadevi	Professor & HOD /EEE

#### Points to be discussed:

- Review of minutes of the previous meeting
- Research and Development activities
- Seed money for faculty research projects
- Final year students' projects
- AICTE Chhatra Vishwakarma Award 2020
- Any other points

DEAN (R&D)

PRINCIPAL

#### Copy to

- R&D Cell Members
- IQAC File
- Office

Copy Submitted to the Correspondent, SEC





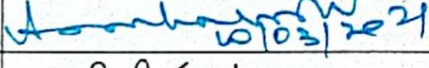
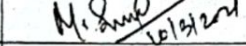
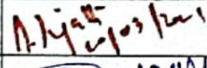
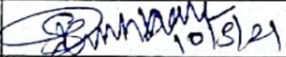
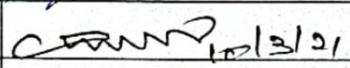
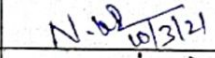
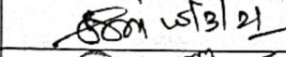
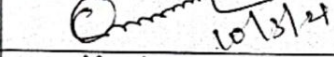
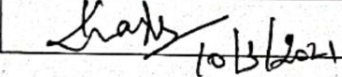
# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



Signature of the receiver:

S.No.	Name	Designation	Signature with date
1	Dr.C.Venkatesh	Principal	 10/03/2021
2	Dr.M.Selvakumar	Assoc. Prof. & HOD/MECH	 10/3/21
3	Dr.B.Sujatha	Dean (Academics)	 10/03/21
4	Dr.P.Rameshkumar	Dean (Research & Development)	 10/3/21
5	Dr.K.L.Palanisamy	Dean (Student Affairs)	 10/3/21
6	Mrs.N.Kiruthika	Asst. Prof. & HOD (i/c)/CIVIL	 10/3/21
7	Dr.M.Sakthivel	Assoc. Prof. & HOD/CSE	 10/3/21
8	Dr.C.Aarthi	Assoc. Prof. & HOD/ECE	 10/3/21
9	Dr.K.Umadevi	Professor & HOD/EEE	 10/3/2021





# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized Under Section 2(f) & 2(b) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (DT) TAMILNADU



19.03.2021

## Research & Development Cell

### Minutes of the Meeting

The second Research and Development Cell meeting for the academic year 2020-2021 was held on 19.03.2021 (Friday) at 10.00 a.m. in IQAC Board Room. The following members were present for the meeting.

S. No.	Category	Name	Designation	Signature
1	Chairperson	Dr.C.Venkatesh	Principal	
2	Coordinator of the IQAC	Dr.M.Selvakumar	Assoc. Prof. & HOD/ MECH	
3	Deans	Dr.B.Sujatha	Dean (Academics)	
		Dr.P.Rameshkumar	Dean (Research & Development)	
		Dr.K.L.Palanisamy	Dean (Student Affairs)	
4	Internal Members /HoDs	Mrs.N.Kiruthika	Asst. Prof. & HOD (i/c)/CIVIL	
		Dr.M.Sakthivel	Assoc. Prof. & HOD/CSE	
		Dr.C.Aarthi	Assoc. Prof. & HOD/ECE	
		Dr.K.Umadevi	Professor & HOD/EEE	

#### Agenda:

- 1.1 Review of minutes of the previous meeting
- 1.2 Research and Development activities
- 1.3 Seed money for faculty research projects
- 1.4 Final year students' projects
- 1.5 AICTE Chhatra Vishwakarma Award 2020
- 1.6 Any other points

#### The minutes of the meeting are as follows:

Dr.C.Venkatesh, Principal welcomed all the members of R&D Cell for the second R&D Meeting.

- 1.1 The minutes of previous meeting conducted on 10.07.2020 was reviewed and approved as presented.
- 1.2 The following project proposals were submitted to funding agencies with the approval of the Ethics Committee and R&D Cell.





# SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956  
NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



S.No	Title	PI & Co-PI	Cost	Funding Agency	Scheme
1	Intellectual Property Facilitation Centre (IPFC) at Sengunthar Engineering College	Dr.C.Venkatesh Dr.P.Ponmurugan Dr.M.Selvakumar	Rs. 1,08,52,700	MSME	Intellectual Property Facilitation Centre (IPFC)
2	Management and Recycling of End-of-Life Tyres to Environment Friendly Quality Products	Dr.C.Venkatesh Dr.P.Ponmurugan Dr.M.Selvakumar Dr.C.Aarthi	Rs. 3,86,22,300	DST	Waste Management Technologies
3	21 Days Summer School Training in Geospatial Science and Technology level-1 at Sengunthar Engineering college, Tiruchengode	Dr.R.Shanmugam Mr.M.Soundarrajan	Rs. 4,97,480/-	DST	Capacity Building in Geospatial Science and Technology
4	Machine Learning based Predictive Maintenance System for Industrial CNC Machine	Dr.M.Sakthivel Dr.B.Sujatha	Rs. 24,84,000/-	AICTE	RPS
5	Smart Shelter Tracking and Disaster Relief using NLP	Dr.C.Venkatesh Dr.C.Aarthi	Rs. 24,50,000/-	AICTE	RPS
6	Artificial Neural Network (ANN) based Prediction of Aluminium-Silicon Carbide - Lithium (Al-SiC-Li) Composites: Micro structural analyses, Hardness and Mechanical Properties	Dr.M.Selvakumar Dr.C.Aarthi Mr.P.Jagadeeswaran	Rs. 24,78,000/-	AICTE	RPS
7	Mahila Club (Women Empowerment Cell)	Dr.K.Umadevi Ms.S.Bhuvana	Rs. 1,00,000/-	AICTE	SPICES

1.3 The following projects were recommended to the management for seed money grant with the approval of the Ethics Committee and R&D Cell.

S.No.	Title of the project	Name of the PI
1	Flood Geomorphological survey and mapping of surface water potential and degradation study for tamerabarani river stretch using remote sensing and GIS techniques	Dr.M.Seenirajan
2	License eligibility measurement system	Mr.K.Ashok Kumar
3	RFID based bus monitoring system for institution using IoT	Dr.P.Ramesh Kumar
4	Detection of water leakage in public distribution system	Dr.K.Umadevi
5	Design and development of smart tread mill bike	Mr.P.Jagadeeswaran





# SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956

NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU




1.4 It was resolved that all the final year projects have to be presented in international conference. Besides, suitable projects shall be converted into products and filed as patents.

1.5 The following projects were recommended by the Ethics Committee and R&D Cell for AICTE Chhatra Vishwakarma Award 2020.

S. No.	Department	Team Name	Project Title	Application Number
1	Civil	ASTIVARAM	Agro waste Impregnated Concrete	VISH20208163
2	CSE	SARJANO	Hasth Shilpi	VISH20207349
3	ECE	TECH-CAPTIVATORS	Smart COVID Prevention Public Transportation System	VISH20208146
4	EEE	THE MIGHTY	A Smart Mobile Application for Mental Health	VISH20209598
5	Mechanical	GEAR MECH	A Smart Coconut and Palm Cutting Drone	VISH20208368

1.6 The committee members suggested that initiatives may be taken by the faculty members towards consultancy activities.

Dr.P.Ramesh Kumar, Dean (R&D) proposed the vote of thanks.

  
19/3/21  
DEAN (R&D)

  
19/03/2021  
PRINCIPAL

Copy to

- R & D Cell Members
- IQAC File
- Office

Copy Submitted to the Correspondent, SEC