



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



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.



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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



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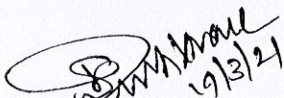
1.4 It was resolved that all the final year projects have to be presented in international conference. Besides, suitable projects shall be converted into products and filed as patents.

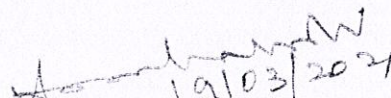
1.5 The following projects were recommended by the Ethics Committee and R&D Cell for AICTE Chhatra Vishwakarma Award 2020.

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