IFET COLLEGE OF ENGINEERING
(An Autonomous Institution)
GANGARAMPALAYAM, VILLUPURAM-605 108.

POLICY FOR SANCTION OF SEED MONEY

1. Seed money is provided by the Trust to faculty members to initiate and complete the project works and it is informed through circular every year.
2. Faculty members are requested to submit proposals to get the seed money.
3. All proposals will be scrutinized by a committee consisting of senior professors.
4. The selected proposals are submitted to the Chairman of the Trust for approval.
5. After approval, the trust will release funds to faculty members.
6. After completion of projects faculty members should,
    a. Submit a detailed completion report of the projects with expenditure details.
    b. Arrange to publish technical papers in national/international journals and conferences.
    c. Take steps to apply for patents.
    d. The unspent amount is to be remitted back to the trust.

CHAIRMAN,
IFET College of Engineering,
(An Autonomous Institution)
IFET Nagar, GANGARAMPALAYAM,
Villupuram District, 605 108.

IFET COLLEGE OF ENGINEERING
(An Autonomous Institution)

IFET/PRI/CIR/2022-23 Date: 04/04/2022

CIRCULAR

Sub: Faculty Research Projects – Allocation of seed funds – Reg.

I am pleased to inform that our college trust has planned to sanction SEED fund for the faculty in order to facilitate research-oriented projects for the academic year 2022-23. The details of the allocation of funds for the departments are enclosed. To utilize the funds effectively, HoD's are requested to identify deserving faculty with worthy Project.

After completion of the projects HoD's should

i. Submit a detailed completion report of projects with expenditure details.

ii. Arrange to publish technical papers in National / International Journals and Conference.

iii. Take steps to apply for patents.

PRINCIPAL 04/4/2022

Copy to:

All HoD's for staff circulation/
VP/Asst.Manager/Notice Board/File

IFET COLLEGE OF ENGINEERING
(An Autonomous Institution)

CIRCULAR

IFET/PRI/CIR/2022-23

Date: 15/04/2022

The following faculties are requested to scrutinize the best projects for the academic year (2022-2023) to avail the SEED funding sponsored by our Indo French Educational Trust and submit the details on or before 30/04/2022.

S.NO	STAFF NAME	DEPARTMENT	DESIGNATION
1	Dr. B.Elizabeth Caroline	ECE	Professor
2	Dr. U.Palani	ECE	Professor
3	Dr. P. Pugazhendiran	EEE	Professor
4	Dr. P.Kanimozhi	CSE	Professor
5	Dr.M.Margarat	ECE	Professor
6	Dr. J.Vidhya	ECE	Associate Professor
7	Dr. M.Saravanan	ECE	Associate Professor
8	Dr. R. Senthil Kumaran	ECE	Associate Professor
9	Dr. T. Ananth kumar	CSE	Assistant Professor
10	Dr. K. Ganesa Balamurugan	MECH	Associate Professor

15/04/2022

PRINCIPAL

IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

Submitted to the Principal

Date: 28.04.2022

The following Project proposals are received from various departments for scrutiny to provide seed money from the Indo French Educational Trust.

S.No	Faculty Name	Dept	Project Title
1	Dr. Pugazhendiran P	EEE	Design and implementation of Solar based smart Notice board
2	Mr. Sivanandham N	EEE	Design and Implementation of closed loop three level ZVS Controlled Resonance Converter
3	Mrs. Vimala P	EEE	PV based combination of interleaved single I/P multi output converter
4	Mrs. Revathy R	EEE	Battery Management System for Electric Vehicle
5	Mr. Rampradesh T	EEE	Fault Detection in Electric system using Drone – Part II
6	Mrs Prokodi N	CIVIL	Bio electricity production from grape waste using microbial fuel cell
7	Ms. Pavithra K	CIVIL	Finite element modelling & analysis of beam with Self Consolidating Concrete (SCC) using ANSYS
8	Mr. Senthilkumar S	CIVIL	Structural investigation on aggregates by waste glass
9	Ms. Priyanka P	CIVIL	Experimental study on pollution adsorbing wall panels
10	Mrs. Suganthi. J	IT	Implementation of real time surveillance system for aquaculture farming using cloud
11	Mrs. Libina M	IT	Evacuation system for clogging-free and shortest- safe path using IOT devices
12	Mrs Jayachitra J	IT	Automated hybrid Emergency medical service
13	Mr. Arunkumar M	IT	Enhanced network stability and reliability using Software-Defined Technology
14	Mrs. Kavitha C	IT	Traffic sign detection and Automatic voice guidelines to the driver using Raspberry PI
15	Mrs. Elavarasi K	IT	Preventing privacy leakage in cloud service with weighted majority algorithm in personal information
16	Mr. Sagadevan K	ECE	IOT based smart irrigation system techniques
17	Mrs. Keerthiga K	ECE	Online Bus Booking System using ASP.net
18	Mr. Jayakumar A	ECE	Automated Surveillance robot using raspberry PI
19	Mrs.Gomathi R	ECE	The Energy Efficient Internet of Things Networking Using IRS and WPT
20	Mrs. Premalatha G	ECE	Implementation of Bluetooth based advanced child rescue system from an open bore well in real time scenario
21	Mr. Ganesh M	MECH	Experimental investigation of performance and emission characteristics of diesel engine fuelled by grape seed oil with a nano-additives
22	Mr. Sakthivel M	MECH	Design and development of a sodium ion solid state battery
23	Mr. Kulothungan S	MECH	Study of micro beam machining in super alloy C276
24	Mr. Thamizhvel M	MECH	Potential use of ceramic and granites waste in AJM
25	Mr. Sethuraman N	MECH	Emission reduction in CI engine using $FECl_2$ and $MgCl_2$-beta zeolite coated catalytic converter

26	Mr.Venkatakrishnan R	MECH	Effect of surface treatment on Hemp fiber reinforced polymer matrix composites
27	Mr. Jayakumar D	CSE	Facial mask detection for automatic attendance system using Artificial intelligence
28	Mr.Balachandar A	CSE	Energy efficiency in wireless sensor network using redfox optimization algorithm
29	Mrs. Leema Roselin G	CSE	Certificate digitalisation using Hyper Ledger Fabric Blockchain Technology
30	Mr. Raguraman D	CSE	Poverty prediction from satellite imagery using faster R - CNN
31	Mr. Ramkumar M.O	CSE	Machine learning approaches for customer attrition prediction and analysis
32	Mr. Parthiban R	CSE	Crop recommendation based on Indian Agriculture using Machine Learning

Based on the Presentation and design aspects, the following projects are recommended to avail SEED fund for their successful completion of their projects.

S.No	Faculty Name	Dept	Project Title
1	Dr.Pugazhendiran P	EEE	Design and implementation of Solar based smart Notice board
2	Mrs. Vimala P	EEE	PV based combination of interleaved single I/P multi output converter
3	Mr.Rampradesh T	EEE	Fault Detection in Electric system using Drone – Part II
4	Mrs Prokodi N	CIVIL	Bio electricity production from grape waste using microbial fuel cell
5	Ms. Priyanka P	CIVIL	Experimental study on pollution adsorbing wall panels
6	Mrs. Suganthi. J	IT	Implementation of real time surveillance system for aquaculture farming using cloud
7	Mrs Jayachitra J	IT	Automated hybrid Emergency medical service
8	Mrs. Kavitha C	IT	Traffic sign detection and Automatic voice guidelines to the driver using Raspberry PI
9	Mr. Sagadevan K	ECE	IOT based smart irrigation system techniques
10	Mr. Jayakumar A	ECE	Automated Surveillance robot using raspberry PI
11	Mrs. Premlatha G	ECE	Implementation of Bluetooth based advanced child rescue system from an open bore well in real time scenario
12	Mr. Sakthivel M	MECH	Design and development of an sodium ion solid state battery
13	Mr.R.Thamizhvel	MECH	Potential use of ceramic and granites waste in AJM
14	Mr.R.Venkatakrishnan	MECH	Effect of surface treatment on Hemp fiber reinforced polymer matrix composites
15	Mr.Balachandar A	CSE	Energy efficiency in wireless sensor network using redfox optimization algorithm
16	Mr. Raguraman D	CSE	Poverty prediction from satellite imagery using faster R - CNN
17	Mr. Ramkumar M.O	CSE	Machine learning approaches for customer attrition prediction and analysis

RECOMMENDED BY

S.NO	STAFF NAME	DEPARTMENT	DESIGNATION	SIGNATURE
1	Dr. B.Elizabeth Caroline	ECE	Professor	
2	Dr. U.Palani	ECE	Professor	
3	Dr. P. Pugazhendiran	EEE	Professor	
4	Dr. P.Kanimozhi	CSE	Professor	
5	Dr.M.Margarat	ECE	Professor	
6	Dr. J.Vidhya	ECE	Associate Professor	
7	Dr. M.Saravanan	ECE	Associate Professor	
8	Dr. R. Senthil Kumaran	ECE	Associate Professor	
9	Dr. T. Ananth kumar	CSE	Assistant Professor	
10	Dr. K. Ganesa Balamurugan	MECH	Associate Professor	

PRINCIPAL

IFET COLLEGE OF ENGINEERING
(An Autonomous Institution)
GANGARAMPALAYAM, VILLUPURAM-605 108.

Date: 04/05/2022

Sub: Provision of seed money to faculty members for the academic year 2022 -23.

Based on the recommendation of the Selection Panel, the following project proposals are selected for providing the seed money.

S.NO	FACULTY NAME	DEPT	TITLE OF THE PROJECT	AMOUNT (Rs.)
1	Dr.Pugazhendiran P	EEE	Design and implementation of Solar based smart Notice board	21,500.00
2	Mrs. Vimala P	EEE	PV based combination of interleaved single I/P multi output converter	21,500.00
3	Mr.Rampradesh T	EEE	Fault Detection in Electric system using Drone – Part II	22,010.00
4	Mrs Prokodi N	CIVIL	Bio electricity production from grape waste using microbial fuel cell	28,375.00
5	Ms. Priyanka P	CIVIL	Experimental study on pollution adsorbing wall panels	23,000.00
6	Mrs. Suganthi. J	IT	Implementation of real time surveillance system for aquaculture farming using cloud	20,105.00
7	Mrs Jayachitra J	IT	Automated hybrid Emergency medical service	20,870.00
8	Mrs. Kavitha C	IT	Traffic sign detection and Automatic voice guidelines to the driver using Raspberry PI	20,875.00
9	Mr. Sagadevan K	ECE	IOT based smart irrigation system techniques	22,394.00
10	Mr. Jayakumar A	ECE	Automated Surveillance robot using raspberry PI	23,400.00
11	Mrs. Premlatha G	ECE	Implementation of Bluetooth based advanced child rescue system from an open bore well in real time scenario	24,075.00
12	Mr. Sakthivel M	MECH	Design and development of an sodium ion solid state battery	22,950.00
13	Mr.R.Thamizhvel	MECH	Potential use of ceramic and granites waste in AJM	21,550.00
14	Mr.R.Venkatakrishnan	MECH	Effect of surface treatment on Hemp fiber reinforced polymer matrix composites	21,400.00

15	Mr.Balachandar A	CSE	Energy efficiency in wireless sensor network using redfox optimization algorithm	21,000.00
16	Mr. Raguraman D	CSE	Poverty prediction from satellite imagery using faster R - CNN	20,425.00
17	Mr. Ramkumar M.O	CSE	Machine learning approaches for customer attrition prediction and analysis	20,700.00
			TOTAL	**3,76,129.00**

After Completion of the projects, Faculty should

1. Submit a detailed completion report of the projects with expenditure details.
2. Arrange to publish technical papers in national/international journals and conferences.
3. Take steps to apply for patents.
4. The unspent amount is to be remitted back to the trust.

Submitted to the chairman for approval

25/05/2022

PRINCIPAL