



**SETHU INSTITUTE OF TECHNOLOGY, PULLOOR, KARIAPATTI – 626 115**  
*(An Autonomous Institution / Accredited by NAAC with 'A' Grade)*

### MINUTES OF THE RESEARCH AND DEVELOPMENT MEETING - JULY-2017

**DATE: 13.07.2017**

**TIME: 3.00 PM**

**VENUE: CSE Seminar Hall**

**MEMBERS PRESENT:**

**AGENDA:**

- Seed money approval
- Improving faculty Google scholar Citation
- Involving the students in research
- Paper publication

**MINUTES:**

- Dr.A.Senthilkumar, Principal welcomed all the members
- The committee reviewed the proposals submitted by the following faculty members for seed money and recommended to sanction.

SL No	Name of the Staff	Designation	DEPT	title	Amount
1	Eswara Prasath N	Associate Prof.	MECH	Minimization of clearance variation and cost of assemblies using selective assembly	24,000
2	Paramasamy S	Associate Prof.	MECH	Design of virtual cellular manufacturing using optimization techniques	12,000

SL No	Name of the Staff	Designation	DEPT	title	Amount
3	Pitchayya Pillai G	Associate Prof.	MECH	Experimental investigation on electrical, thermal and wear behaviour of Al6061-Ag Composite	24,000
4	Thamil Selvan G K	Associate Prof.	MECH	Optimum Tolerance Using Selective Assembly	24,000
5	Vijayarasu I	Associate Prof.	MECH	Design and investigation of selective laser sintering part properties	24,000
6	Annalakshmi M	Associate Prof.	ECE	Development of Facial Image Processing Algorithms for Human Computer Interaction	24,000
7	Karthika Devi R	Associate Prof.	ECE	Automated detection of Dental Disease using Image Processing	24,000
8	Sivaranjani R	Associate Prof.	ECE	Development of Automatic target classification system for SAR Imaging	24,000
9	Abitha Kumari D	Associate Prof.	CSE	Low Power Interference Detection And Cancellation Architecture for Cognitive Radio Network	24,000
10	Alangudi Balaji N	Associate Prof.	CSE	Certain Experiments on Secured Communications in Hierarchical Vehicular AD HOC Networks	24,000
11	Krishnaveni P	Asst.Prof. SG	CSE	Energy Efficient Route Optimization and Aggregation in Wireless Sensor Network Applicable for Object Tracking	24,000
12	Sathish Kumar K	Associate Prof.	CSE	Certain Investigation on Energy Efficient Elliptic Curve Cryptographic Methods	24,000



SL No	Name of the Staff	Designation	DEPT	title	Amount
				for Mobile Hand - Held Devices	
13	Suresh P	Associate Prof.	CSE	Improving Infusion Detection System with Efficient memory optimization in Internet of Things Application	24,000
14	Meenakshi Sundaram B	Associate Prof.	EEE	Certain Investigation on the Power Electronics Interface and Techniques for Harvnessing Maximum Power from Grid Connected Renewable Energy Sources	24,000
15	Soundradevi G	Associate Prof.	EEE	Optimized Pulse with Using Seed Pick Cross Over Optimization Algorithm for Switched Capacitor Inverter	24,000
16	S Srinivasan	Asst.Prof. SG	EEE	Enhancing Power Quality Using Soft Computing Techniques in Multi-Level Inverter	24,000
17	Kins Burk Sunil N	Asst.Prof. SG	E&I	Automatic Detection of Sleep APNEA Disease from PPG Signal Using Optimization Techniques	24,000
18	Elankathiravan B A	Asst.Prof. SG	ENGLISH	Cultural Crisis in the select Novels of J.M.Coetzee	12,000
19	Godwin Cyril N	Asst Prof	ECE	Spectrum Sharing in Green Cognitive Radio Cellular Networks	12,000
20	Satheesh R	Asst Prof	CHEMIST RY	Synthesis, Characterization and application of Surface Modified Iron Oxide Nanoparticle	12,000
21	Gopi Subramani	Asst Prof	MATHS	A Study of Weighted Translation Operators on $L^2(\mu)$	12,000

- The principal made a brief discussion on involving the students in research.
- The members expressed the importance of paper publication in peer viewed journal.
- The members insisted to
  - Promote research that is relevant to the nation and the region.
  - Improve and support existing and evolving research strengths
  - Supporting various Departments in creating Center of Excellence
  - Assist multidisciplinary Research Excellence
  - Provide a suitable enabling research environment and infrastructure.
  - Application of qualitative as well as quantitative Research technique to enhance knowledge, capability of students and faculty in relatively unexposed areas.
  - Establish research partnerships with Government, Industry and other Universities

**Academic Research:**

- Promotion of R&D Activities in of science and technology with special emphasis on emerging domain.
- Motivate faculty and students to participate in Seminar/Conference/Workshop and further share his knowledge, experience with faculty and students.
- To motivate faculty and students to present/publish Research paper in reputed national & international journals.
- To strengthen the Research Forum by expanding the research group at college level
- It is decided to collect the
  - Details of the Ph.D Supervisors
  - Details of Scholars under the supervisor
  - Faculty pursuing Ph.D in our college
  - Publication details of faculty in quality journals from all the departments.
- To categorize/redefine Research Focus Area as new faculty joined.
- To instruct the new faculty members to publish journals (in communication also) with affiliation of SIT
- To instruct Faculty with Ph.D. to register for supervisorship in Anna University at the earliest.

- To insist Faculty to publish journals in IEEE, ASME, Elsevier and other leading publishing houses
- To conduct Awareness Programme on Research, Innovation and commercialization among students and faculty.
- To calculate recent h-Index and i-10 indices to be for periodical updation
- To advise the faculty members, the ways to improve citations, immediate citations and h-index
- To register with Scopus, web of science, research gate, orcid id
- To urge faculty to involve the students in academic research
- To conduct an **International Conference** jointly by all the departments in commemoration of celebrating Silver Jubilee.
- To take up Website updation with a dropdown menu of Research Facilities
- To take up In-house equipment repairs to facilitate all kinds of research and consultancy.
- To purchase the software of Plagiarism Checker to help students and faculty for rapid publication of papers in reputed journals.



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**ATTENTANCE SHEET**

Sl. No	Name	Designation and Department	Signature
1.	Dr. A. SENTHIL KUMAR	PRINCIPAL	
2.	Dr. R. KUMUTHA	HOD Civil & Dean Research	R. Kumutha
3.	Dr. C. KAILASANATHAN	Prof / Mech	
4.	Dr. K. Sakthipandi	Asso. Prof / Physics	
5.	Dr. M. Sivabharathy	Prof / Physics	
6.	Dr. R. Tamilselvi	Prof / ECE	
7.	Dr. A. Srinivasan	HOD / EEE	
8.	Dr. S. Sivarajani	Prof / IT	S. S. Pri
9.	Dr. S. Karthik Kumar	Asso. Prof / Physics	
10.	Dr. C. Muthusamy	Prof / Mech	

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