



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Meeting Minutes of Research Advisory Committee

for A.Y.: 2019-20



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MINUTES OF RESEARCH ADVISORY COMMITTEE MEETING HELD

ON 30-09-2019

The meeting of the research advisory committee of Aditya Engineering College (A), Surampalem was held on 30-09-2019 at 3.00 PM in the Conference Hall, Cotton bhavan. Dr. M Sreenivasa Reddy, Chairman presided over the meeting.

AGENDA

1. To review the progress of research in the current academic year.
2. Coordination with other committees with R&D Cell.
3. Approval of seed money for faculty members
4. Any other items with the approval of the Chairman.

DISCUSSION & RESOLUTIONS

Chairman Dr. M. Sreenivasa Reddy welcomed all members.

Agenda 1: To review the progress of research in the current academic year.

Discussion: Chairman presented that there have been 07 papers published in Impact factor Journals, 10 papers published in Scopus Indexed Journals, 07 papers published in UGC approved Journals, and 11 papers have been presented in International/National Conferences. Members have noted the progress. Members advised to encourage faculty to publish more papers in Impact factor Journals and International Conferences.

The Chairman presented the details of paper publications by the faculty members in the last three months of this academic year.

1. Chetan Kumar Hirwani, "Nonlinear Transient Analysis of Delaminated Curved Composite Structure under blast/pulse Load" 'Engineering With Computers', May-June 2019.

[IF 3.93, SJR 0.66, H-Index 46]

2. A. Saravanan, "Heat transfer augmentation techniques in forced flow V-through solar collector equipped with V-Cut and square twisted tape", International Journal of Thermal Sciences, Volume – 140, June - 2019, Pp. 59 – 70.

[IF 3.47, SJR 1.26, H-Index 110]

3. Chetan Kumar Hirwani, "Optimal deflection and stacking sequence prediction of curved composite structure using hybrid (FEM and soft computing)" 'Engineering with Computers', Springer Publications - August-2019

[IF 3.93, SJR 0.66, H-Index 46]

4. SongithaMisra, "Integrated Features and GMM Based Hand Detector Applied to Character Recognition System Under Practical Conditions", Multimedia Tools and Applications-Springer - Aug – 2019.
[IF 2.31, SJR 0.46, H-Index 59]
5. Santosh Kumar Dash, "Euglena Sanguinea algal biodiesel and its various diesel blends as diesel engine fuels: a study on the performance and emission characteristics", Energy Sources, Part A: Recovery, Utilization, and Environmental Effects Taylor & Francis, August, 2019.
[IF 1.184, SJR 0, H-Index -48]
6. A. Saravanan, "Improving Performance of a Trapezoidal-trough Thermosyphon Solar Collector using Peripherally Wing-cut Swirl Generator", International Journal of Green Energy (Taylor & Francis), Sept-2019
[IF 1.38, SJR 0.42, H-Index 35,]
7. Chetan Kumar Hirwani, "Nonlinear Thermal Free Vibration Frequency Analysis of Delaminated Shell Panel Using FEM" 'Composite Structures', Vol. 224, Issue 15, September, 2019
[IF – 5.138 , SJR 1.784, H-Index 143]
8. P S V V S Narayana, "A Review on Surface Modifications and Coatings on Implants to Prevent Biofilm", Regenerative Engineering and Translational Medicine, Springer, Vol. 6, pp- 1-17, May-June2019
[SJR 0.38, H-Index 8]
9. D.V.L. Prasanna, "A Comparison of Fuzzy Game Matrix Solutions using Defuzzification Methods with a New Method", International Journal of Recent Technology and Engineering (IJRTE), Volume – 8 (1S3), June - 2019, PP-270-273
[SJR 0.11, H-Index 17]
10. S.B.G.TilakBabu, "Image Fusion using Eigen Features and Stationary Wavelet Transform", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume – 8 (8S3), June - 2019, PP-38-40
[SJR 0.1, H-Index 40]
11. M Rajasekhar, "An Efficient Method for Segmentation of Noisy and Non-Circular Iris Images Using Optimal Multi Level Threshold," Journal of Advanced Research in Dynamical and Control Systems, Vol. 11, No. 02, July, 2019
[SJR 0.13, H-Index 17]
12. K.Vydehi, "Machine Learning Techniques for Life Expectancy Prediction", International Journal of Advanced Trends in Computer Science and Engineering, Vol. 9, No. 4, July-August, 2020
[SJR 0.13, H-Index 11]

13. N. Radha, "Performance Evaluation of Quartet Shift Dual Tree Complex Wavelet Transform Based Multi-focus Image Fusion Using Fusion Rules", International Journal of Electronics and Communication Engineering (IJECE), Volume – 9(4), August - 2019, Pp. 2377 – 2385.

[SJR 0.59, H-Index 53]

14. S. ArunaKumari, "Metallopharmaceuticals: Synthesis, Characterization and Bio Active Studies", International Journal of Biochemistry and Biophysics, Vol. 56, August 2019.

[SJR 0.64, H Index 18]

15. S.RamaSree, "An Effective Software Effort Estimation based on Functional Points using Soft Computing Techniques", International Journal Innovative Technology and Exploring Engineering(IJITEE), Volume – 8(10), August - 2019, Pp. 3729 – 3733.

[SJR 0.1, H-Index 40]

16. N.Selvamalar, "Role of Heuristic Algorithms in Minimizing the Makespan of Fuzzy Flow shop Scheduling Problem", International Journal Recent Technology and Engineering(IJRTE), Volume – 8(3), September, 2019, Pp. 821 – 826.

[SJR 0.11, H-Index 17]

17. A PhaniSreedhar, " An Intelligent IOT Mechanism for Collision Detection and Prevention at Railway Level Crossing", International Journal of Recent Technology and Engineering, (IJRTE), Vol. 8, No. 2S11, September, 2019

[SJR 0.11, H-Index 17]

18. S. Santhosh Kumar Dash, "Production of Biodiesel From Jatropha oil Using a Hetrogeneous Catalyst", International Conference on Emerging Trends in Engineering(ICETE), at University College of Engineering, Osmania University, Hyderabad, 22 -23, Mar -2019., Published in Learning and Analytics in Intelligent Systems, July, 2019, Springer.

19. B. VidheyaRaju, "An IOT based Low Cost Agriculture Field Monitoring System", the International Conference on "Engineering, Technology, Pharmacy and Management", Organized by MalineniPereumallu Group of Institutions, Guntur, 31st May, 2019.

20. PSVVS Narayana, "Influence of Slot and Flaps Arrangement on the Performance of Modified Darrieus Wind Turbine", 1st International Conference on Manufacturing, Material Science and Engineering, (ICMMSE), CMRIT, Hyderabad, 16-17 August, 2019

21. S. ArunaKumari, "Nano Particulate Metal Complexes in Treating Breast Cancer" international Conference on Recent Advances in Chemical, Pharmaceutical and Life Process, Organized by Andhra University, Visakhapatnam, 13th - 15th July, 2019.

22. A. Satish Kumar, "Retrofitting Measures of Guntupalli Caves, West Godavari District, Andhra Pradesh, India, Using Reinforced Rock Technique" International Conference on Multidisciplinary Perspectives in Engineering & Technology (ICMPET), Organized by Krishna Chaitanya Institute of Technology & Sciences(Kits), Markapur, 24th - 25th June, 2019, Published in IJRTE, August, 2019.
23. A. Satish Kumar, "Experimental Study on the Strength Properties of Steel Fibre Reinforced Geo polymer Concrete with Addition of Nano-silica", international Conference on "Multidisciplinary Research Studies and Education (ICMDRSE-19)", Organized by Institute for Engineering Research and Publication at Hyderabad, 28th - 29th June, 2019.
24. B.R.S.S.V.Rao, "The Portrait of child in English Literature", International Journal of English Language Literature in Humanities, (IJELLH), Volume – 7(6) , June - 2019.
25. N. Selvamalar, "Extension of Fuzzy Johnson Algorithm to ThreeMachines Fuzzy Flow-shop Scheduling Problem" Malaya Journal of Matematik, Volume – 7(3), Sep - 2019.
26. N. Selvamalar, "Improved Makespan of the Branch and Bound Solution for a Fuzzy – shop Scheduling Problem Using the Maximization operator. " Malaya Journal of Matematik, Volume – 7(1), Sep - 2019.
27. R.Giri Prasad, "Factors for mine accidents and hazards in open cast and underground coal and non coal mines in India", Journal of Emerging Technologies and Innovative Research (JETIR), Volume – 6(6), June - 2019, Pp. 858 – 863.
28. R.Giri Prasad, "Importance of lighting in opencast and underground metallic and non metallic mines", International Journal of Research and Analytical Reviews (IJRAR), Volume – 6(2), June - 2019, Pp. 302 – 310.
29. E.NandishGoud, "Financial factors, costs and investment ratios influence the evaluation of a mining project in initial stage", International Journal of Research and Analytical Reviews (IJRAR), Volume – 6(2), June - 2019, Pp. 297 – 301.

The committee members have noted and appreciated faculty for making quality publications. The chairman has appreciated to both Mr. R. Giri Prasad and Dr. A. Saravanan for publishing more number of papers in Journals and Conferences in the last three months.

Agenda 2: Coordination with other committees with the R&D Cell

Discussion:Members expressed that there is coordination required between various committees like an academic committee, IQAC, Industry – Institute Partnership Cell, and R&D Committees. Chairman said the minutes of every committee will be circulated to all faculty.

Agenda 3: Approval of seed money for faculty members.

Discussion:The committee has approved granting the seed money for faculty members, the list of the faculty members were given below in the minutes.

List of the faculty who have been awarded Seed Money

S. No.	Name of the Teacher provided with Seed money	Name of the Department	The amount of seed money (INR in Lakhs)
1.	Mr. SDVVS B Reddy	ME	12.7
2.	Mr. J. Raja Shekhar	ME	12.7
3.	Mr. S. B. G. ThilakBabu	ECE	0.479
4.	Mr. V. Sai Krishna	AGE	0.4
Total Amount			26.279

Agenda 4: Any other items with the approval of the Chairman.

Discussion:

The Chairman presented the details of patents filed by faculty.

S.No.	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)
1.	Mr SBG Tilak Mr A Sridhar Gaud Mr T C S Reddy Appli. No. 201911023126	High Efficient Wind – Solar-Diesel Hybrid System and method thereof for application in Remote Areas	Aditya Engineering College (A)	11-06-2019
2.	Dr. P. S. Ranjit DrBhVaraprasad MrChetan Kumar DrPritam Kumar Appli. No. 201941027270	Hydraulic System Based Clutch Lever Restriction for Two Wheeler and Method There of	Aditya Engineering College (A)	08-07-2019
3.	Dr. P. S. Ranjit DR V VKamesh MrChetan Kumar Appli. No. 201941032130	Cam Operated Clutch Restriction System	Aditya Engineering College (A)	08-08-2019
4.	Dr. P. S. Ranjit Appli. No. 201941033960	Mechanical Cam Actuated Barrel based Clutch Restriction System	Aditya Engineering College (A)	23-08-2019
5.	Dr A Saravanan Mr M P K Reddy Mr Satyajeet Parida Dr A K Tripathy Mr Rajesh Kumar Appli. No.	C-Shaped Baffle Plate Solar Air Heater for Enhancing Heat Transfer	Dr. A.Saravanan	02-08-2019

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Committee members have appreciated.

The meeting was adjourned by vote of thanks from the chairman at 4.40 PM



Convener
Dean (R&D)
Aditya Engineering College (A)
Strampalem