



ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Affiliated to JNTUK, Kakinada
Recognized by UGC under Section 2(f) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662

Ref: ACOE/R&D/2018-19/Constitution of R&D

05-06-2018

CONSTITUTION OF RESEARCH AND DEVELOPMENT COMMITTEE

The undersigned is pleased to constitute the Research and Development Committee with the following members for the academic year 2018-19 to plan and enhance the quality aspects in research and development of the college.

S.No	Name	Designation	Role
1	Dr. T.K. Rama Krishna Rao	Principal	Chairman
2	Dr.Pullela SVVSR Kumar	HOD - CSE	Coordinator
3	Dr.V.Anil Kumar	HOD-PT	Member
4	Dr.N.Vishalakshi	HOD- MBA	Member
5	Mr.G.Rama Krishna	HOD-ECE	Member
6	Mr.Y.K.Subba Rao	HOD-ME	Member
7	Mr. K. Manoj Kumar Reddy	HOD- EEE	Member
8	Mr.M.Srinivasu	HOD-H&S	Member
9	Dr. K.V.S.R Murthy	Professor- EEE	Member
10	Dr.Thirumala Srinivas	Professor-ECE	Member
11	Dr.T.Srihari	Professor- ME	Member
12	Dr.A.Neeraja	Professor - H&S	Member
13	Ms.K.Nikhila Sai Lakshmi	Student(IV year)	Member
14	Mr.B.Jagadeesh	Student (IV year)	Member

Cc to all members of R&D Committee




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Ref: ACOE/R&D/2018-19/01/CIRCULAR

Date: 15.06.2018

CIRCULAR

This is to inform that R&D committee meeting is scheduled on 21.06.2018 at 10:30AM in Conference room, Ramanujan Bhavan. All R&D Committee members, Convener-EDC cell, Convener-IPR cell, and Convener Industry Institution Interaction Committee are requested to attend the meeting.

AGENDA

1. To discuss and prepare SOP and SPP.
2. To review publications made by the faculty during the academic year 2017-18.
3. To review research work status of the faculty during the academic year 2017-18 who are pursuing their Ph.D.
4. To review publications during the academic year 2017-18 of M.Tech students.
5. To plan FDPs, Workshops, Seminars, Guest Lectures etc. to be organized by the college to enhance research activities for the academic year 2018-19.
6. To discuss on incentives for research publications, book chapters, patents etc, for the academic year 2018-19.
7. To plan the research orientation classes for faculty and students for the academic year 2019-20.
8. Any other point with the permission of the chair.

Cc to: 1. All members of R&D committee
2. Convener-EDC cell,
3. Convener-IPR Cell,
4. Convener - Industry Institution Interaction Committee


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Ref: ACOE/R&D/2018-19/01/Minutes

21-06-2018

MINUTES OF RESEARCH & DEVELOPMENT (R&D) COMMITTEE ACADEMIC YEAR 2018-19

Date of meeting	21 st June 2018	Duration	10.30AM to 12.00 NOON
Venue	Conference room, First floor, Ramanujan Bhavan		
Reference	ACOE/R&D/2018-19/01/CIRCULAR Dated 15.06.2018		

The R&D committee meeting of Aditya College of Engineering held on 21st June 2018 with the following agenda:

1. To discuss and prepare SOP and SPP.
2. To review publications made by the faculty during the academic year 2017-18.
3. To review research work status of the faculty during the academic year 2017-18 who are pursuing their Ph.D.
4. To review publications during the academic year 2017-18 of M.Tech students.
5. To plan FDPs, Workshops, Seminars, Guest Lectures etc. to be organized by the college to enhance research activities for the academic year 2018-19.
6. To discuss on incentives for research publications, book chapters, patents etc. for the academic year 2018-19.
7. To plan the research orientation classes for faculty and students for the academic year 2019-20.
8. Any other point with the permission of the chair.


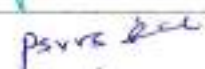
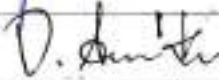
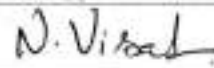
The meeting of R&D Committee commenced with a welcome note by Dr. T.K. Rama Krishna Rao, Chairman, R&D Committee. The Coordinator, R&D Committee has extended his cordial welcome to all the members and readout the notes on agenda for discussion.

The following points as per the agenda are discussed and resolutions are adopted.

MINUTES AND RESOLUTIONS

1. All the members discussed about SOP and given suggestions regarding SPP.
2. R&D Committee has proposed to collect information about research scholars who are pursuing Ph.D. in various universities and consolidated the list of papers they have published and status of their research works.
3. The members of the committee discussed regarding number of published papers of each department and noticed that the number of publications are less, due to the less number of senior faculty. The members of the committee proposed to motivate the faculty towards research work and publish more number of papers in reputed journals.
4. The publications of M.Tech students were reviewed. The committee has expressed its satisfaction over the publications and advised that the quality of student papers is to be enhanced in future.
5. The committee resolved to organize at least two events (workshop/guest lecture/Seminar/FDP) in specific research areas from every department to give awareness on prominent areas of research among faculty and students.
6. It is resolved that every Faculty should attend minimum one FDP/Workshop per year.
7. The members of committee resolved to submit a proposal for revision of incentives for research publications, book chapters and patents and submit the same to the governing body for necessary approval
8. To plan the research orientation classes for faculty and students for the academic year 2019-20.
9. The convener EDC cell suggested to generate innovative projects which can be patented for innovative start-ups for the academic year 2019-20.
10. The meeting is concluded with thanks to the chair.

Members attended the meeting on 21st June 2018

S.No	Name	Designation	Role	Signature
1	Dr. T.K. Rama Krishna Rao	Principal	Chairman	
2	Dr. Pullela SVSR Kumar	HOD - CSE	Co-ordinator	
3	Dr. V. Anil Kumar	HOD - PT	Member	
4	Dr. N. Vishalakshi	HOD - MBA	Member	

5	Mr.G.Rama Krishna	HOD - ECE	Member	G.R.L.
6	Mr.Y.K.Subba Rao,	HOD - ME	Member	Y.K.S.Rao
7	Mr. K. Manoj Kumar Reddy	HOD - EEE	Member	K.M.K.R.
8	Mr.M.Srinivasu	HOD - H&S	Member	M.S.V.R.
9	Dr. K.V.S.R Murthy	Professor - EEE	Member	K.V.S.R.
10	Dr.Thirumala Srinivas	Professor -ECE	Member	G. Srinivas.
11	Dr.T.Srihari	Professor - ME	Member	Srihar
12	Dr.A.Neeraja	Professor - H&S	Member	A.Neeraj.
13	Ms. K. Nikhila Sai Lakshmi	Student (IV year)	Member	K.N.S. Lakshmi
14	Mr. B. Jagadeesh	Student (IV year)	Member	B. Jagadeesh

PS.VVS K.S.
CO-ORDINATOR



M.S.
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Ref: ACOE/R&D/2018-19/SOP

Date:05.06.2018

Research and Development committee

Standard Operating Procedure 2018-19

Research and Development cell is an integral part of the academic activities of an institution. This committee is one of the wings of the Institute which facilitates, channelizes all the academic, sponsored, collaborative research projects and consultancy works in the institute. The committee's responsibilities in respect of the establishment and promotion of excellence in the Institute's research and development, academic and research training activities. This includes the development, review and monitoring of achievements under the Research & Development.

1. To create awareness about opportunities in Research and Development among the students and faculty and to create Research and Development atmosphere in every department.
2. To encourage faculty members of all the disciplines (Engineering /Science /Humanities/Management) to improve R&D activities for their professional growth.
3. To encourage and motivate the faculty to apply for Ph.D at various Universities.
4. To motivate the faculty members to enhance R&D activities by forming them into groups based on their areas of interests/specialization.
5. To encourage staff members and students to publish technical articles for publishing in reputed National or International Conferences/Journals.
6. To undertake research activities and development projects offered by agencies such as ISRO, DRDO, CSIR, DST, AICTE, UGC, etc.
7. To assist the students to apply funding for conducting research and startups under student project scheme through various funding agencies like MSME, IET (I), DRDO, TCS, Infosys etc.

8. To assist faculty for applying and getting funds under various research schemes for research promotion and conducting Seminar/Workshop/FDP from various funding agencies.
9. To facilitate the growth of research activity among the academic community, including developing mechanisms and setting targets to achieve this.
10. To develop and coordinate strategies for maximizing the faculty's success in gaining external research funding.
11. To maintain and disseminate current information about relevant research policy areas and initiatives in government agencies, relevant industries and external funding opportunities.
12. To develop strategies to foster research collaborations within the faculty, across faculty and institutes, and with agencies outside the college.
13. To work with various departments to establish and develop faculty research priorities on interdisciplinary areas.
14. To interact with industry, government, professionals and the wider community on all research matters and promote faculty research activities.
15. To coordinate faculty level workshops and staff development activities on research-related issues.
16. To maintain effective links with government departments, authorities, business, and commerce and industry organizations relevant to the college research activities.
17. Scrutinize the project proposals submitted by the students /staff and forwarding the same for financial assistance.
18. Advising the faculty members to publish their research work in Web of Science/ Scopus indexed journals since they are having more credentials in NIRF ranking.
19. Oversee the application of the Code of Research Ethics for the responsible practice of research.
20. The committee will review the originality and quality of the content before publishing.
21. Recommending incentives for publishing articles/ patents/ book chapters/consultancy projects as per the Incentive norms.

22. Evolution Procedure of Research contribution by Faculty/Students

Research and Consultancy Projects

Faculty members are encouraged to submit research projects to various funding agencies. The following are SOP for Research Projects submission.

- I. Research area of interests of the faculty members is identified.
- II. Faculty members have to prepare their documentation for their research projects.
- III. Faculty need to submit quality research and consultancy projects following ACOE code of ethics.
- IV. The document has to be submitted to the R&D cell for the approval.
- V. The support required for the faculty to submit the proposal will be provided.
- VI. After the approval of the R&D cell the research project proposal can be submitted to the agency.
- VII. The flowchart for the Research and Consultancy Projects is attached.

Research Publications

Faculty members are encouraged to submit research papers to the reputed journals and conferences. The following are SOP for Research paper publications.

- I. Research area of interests of the faculty members is identified.
- II. Faculty members have to prepare their documentation for their research papers.
- III. Faculty need to submit quality research publications following ACOE code of ethics.
- IV. The document has to be submitted to the R&D cell for the approval.
- V. The support required for the faculty to submit the research paper will be provided.

VI. After the approval of the R&D cell the research paper can be submitted to the agency.

VII. The flowchart for the Research Publications is attached.

Publication of Books/Book Chapters

Faculty members are encouraged to write books on their areas of interest. The following are SOP for publication of books.

- I. Area of interests of the faculty members is identified.
- II. Faculty members have to prepare the contents of book which has to be published.
- III. Faculty need to write quality documents following ACOE code of ethics.
- IV. The document has to be submitted to the R&D cell for the approval.
- V. The support required for the faculty to publish book will be provided.
- VI. After the approval of the R&D cell the documents in the prescribed format can be submitted to the Publisher based on author's interest.
- VII. The flowchart for the Publication of books is attached.

Patents

Faculty are encouraged to obtain Patent on their research work. The following are SOP for publishing patent.

- I. Research area of interests of the faculty member is identified.
- II. Faculty members have to prepare their documentation for their patents.
- III. Faculty need to write quality patents following ACOE code of ethics.
- IV. The document has to be submitted to the R&D cell for the approval.
- V. The support required for the faculty to publish patent will be provided.
- VI. After the approval of the R&D cell the patent can be submitted to the agency.
- VII. The flowchart for the Patent Publications is attached.

23. Incentives and Facilities for Researchers and Research scholars.

- I. Infrastructural facilities like Systems with high speed internet, Library with digital access are provided for Researchers and Research scholars

II. Incentives :

Incentives for Publication of Research papers/book chapter/ book/ articles/patents:

To promote research and its allied activities, the faculty is appraised with the following incentives:

International Journal with Impact Factor (It should be Thomson and Reuter impact factor journals)	- Rs. 7,500/-
International Journal (It should be Scopus / Science Citation Index)	- Rs. 5,000/-
National Journals (It should appear in the UGC approved list of Journals and peer reviewed)	- Rs. 2,000/-
International Conference (Organized by NIT/IIT/reputed University) OR Registration fee and actual expenditure whichever is lower	- Rs. 7,500/-
National Conference organized by NIT/IIT/Central University/ Deemed University / Research Laboratories/ Reputed institutes with Autonomous status with NAAC/NBA accreditation OR Registration fee and actual expenditure whichever is lower	- Rs 4,000/-
Publishing of Text Books (International Edition) (Indian Edition)	-Rs. 20,000/- - Rs. 10,000/-
Publishing of Chapter in a Book	- Rs. 2,000/-
Publishing an article in a Journal / Magazine	- Rs. 2,000/-
Patent - National (Publication)	- Rs. 10,000/-
- National (Awarded)	- Rs. 10,000/-
Patent - US Patent	- Rs. 30,000/-

- III. In order to promote research and development activities, the college extends its full support to students/faculty/staff. Full/Partial financial support is given to all innovative research & development works taken up by the students and faculty.
- IV. The college encourages students, faculty and staff to participate in National/International Conferences, Training programs (IITs/NITs/State Engg. Colleges etc.) by giving financial support viz. course/registration fee, TA/DA etc.
- V. One week additional summer vacation is provided for Researchers.
- VI. Innovative projects by the students will be financially funded based on recommendation of a committee at the department / college level.
- VII. Best final year project / model in each department will be rewarded.

FUNCTIONS

1. To bring enthusiasm among the students and faculty members towards research and innovation.
2. To oversee and supervise research and development activities in the institute and to ensure the performance, by proper monitoring of research projects, publications.
3. To work closely with the industrial needs that eventually will result in new or improved products, processes, systems or services that can increase the company's productivity.
4. To set up a firm collaboration with other universities, public and private sectors and identify R&D projects including consultancy services which could be undertaken at the institution.
5. To promote research in various departments of the Institute.
6. To provide smooth functioning and effective management of R&D at the institution.

psvrs
CO-ORDINATOR - R&D



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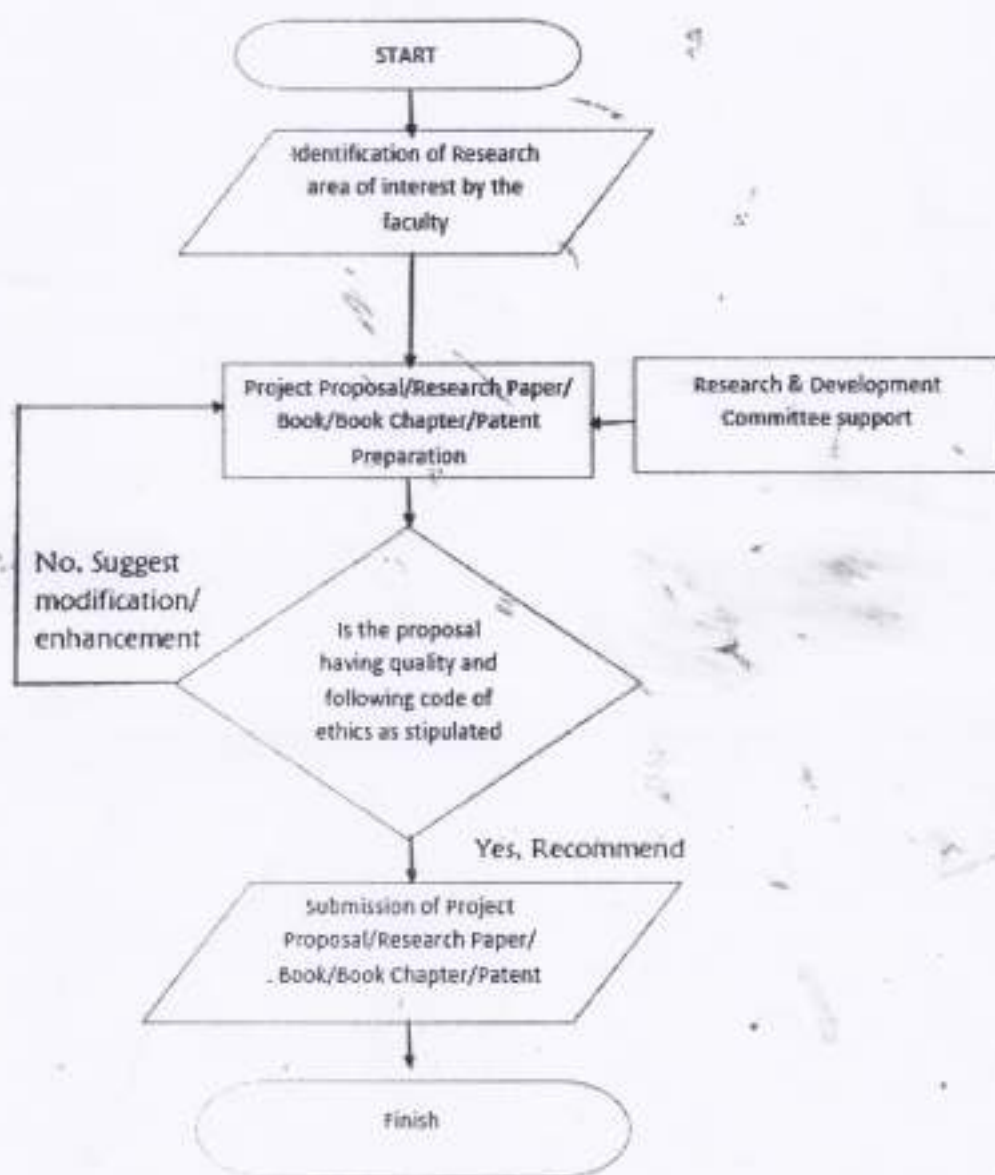
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Date: 05.06.2018

Research and Development cell

Flow Chart



psrvv *[Signature]*
Co-ordinator - R&D



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Ref: ACOE/R&D/2018-19/02/CIRCULAR

Date: 02.12.2018

CIRCULAR

This is to inform that R&D Committee meeting is scheduled on 09.12.2018 at 10:30AM in Conference room, Ramanujan Bhavan. All R&D Committee members, Convener-EDC cell, Convener-IPR cell, and Convener Industry Institution Interaction Committee are requested to attend the meeting.

AGENDA

1. To review the research publications made by the faculty during 2018-19 (1st Semester).
2. To review the conduct of different organized events related towards research enhancement during 2018-19 (1st Semester).
3. Any other point with the permission of the chair.


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Cc to: 1. All members of R&D committee
2. Convener-EDC cell,
3. Convener-IPR Cell,
4. Convener, Industry Institution Interaction Committee





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Ref: ACOE/R&D/2018-19/02/Minutes

09-12-2018

MINUTES OF R&D ACADEMIC YEAR 2018-19

Date of meeting	09 th Dec 2018	Duration	10.30AM to 12.00 NOON
Venue	Conference room, First floor, Ramanujan Bhavan		
Reference	ACOE/R&D/2018-19/02/CIRCULAR Dated 02.12.2018		

The R&D meeting of Aditya College of Engineering held on 09th Dec 2018 with the following agenda:

1. To review the research publications made by the faculty during 2018-19 (1st Semester).
2. To review the conduct of different events organized related towards research enhancement during 2018-19 (1st Semester).
3. Any other point with the permission of the chair.

The meeting of R&D Committee commenced with a welcome note by Dr.A.Ramesh, Chairman, R&D Committee. The Coordinator, R&D Committee has extended his cordial welcome to all the members and readout the notes on agenda for discussion.



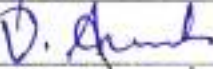
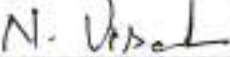


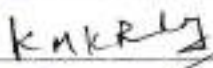

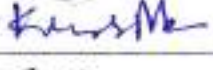


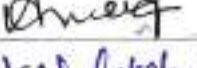
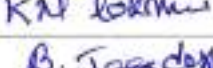

The following points as per the Agenda are discussed and resolutions are adopted.

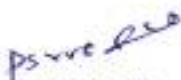
MINUTES AND RESOLUTIONS

1. The members of the committee discussed regarding number of published papers of each department and noticed that the number of publications are less, due to the less number of senior faculty. The members of the committee proposed to motivate the faculty towards research work and publish more number of papers in reputed journals.
2. The committee has substantiated the organized events related towards research enhancement during 2018-19.

3. Convener IPR Cell suggested proper verification of research papers should be made mandatory before submission and the same was accepted and resolved in the meeting.
4. The meeting is concluded with thanks to the chair.

Members attended the meeting on 9th Dec 2018

S.No	Name	Designation	Role	Signature
1	Dr.A.Ramesh	Principal	Chairman	
2	Dr. Pullela SVSR Kumar	HOD – CSE	Coordinator	
3	Dr. V.Anil Kumar	HOD – PT	Member	
4	Dr. N.Vishalakshi	HOD – MBA	Member	
5	Mr. G.Rama Krishna	HOD – ECE	Member	
6	Mr.Y.K.Subba Rao,	HOD – ME	Member	
7	Mr. K. Manoj Kumar Reddy	HOD – EEE	Member	
8	Mr.M.Srinivasu	HOD – H&S	Member	
9	Dr. K.V.S.R Murthy	Professor– EEE	Member	
10	Dr. Thirumala Srinivas	Professor – ECE	Member	
11	Dr. T.Srihari	Professor – ME	Member	
12	Dr. A.Neeraja	Professor – H&S	Member	
13	Ms. K.NikhilaSai Lakshmi	Student(IV year)	Member	
14	Mr.B.Jagadeesh	Student (IV year)	Member	


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CONFERENCE PUBLICATIONS BY THE FACULTY 2018-19

Sl. No.	Name of the teacher	Public Blockchain Technology Model for Indian Policy System.	Title of the proceedings of the conference	Name of the conference	National / international	Year of publication	ISBN/ISSN number of the proceeding
1	Dr. A Ramesh	Simulation and prototype implementation of hybrid H-Bridge MLI with minimum switches.	First International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems	CITAES-2019	International	2018-19	ISSN: 2249 - 8958
2	Mr. V kiran	IOT Integrated Underwater WSNs-An Adaptive Routing for Balanced Energy Consumption	First International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems	CITAES-2019	International	2018-19	
3	Mr. U. Abhishek Kumar	Effective Mechanism of Public Hearing in Environmental Clearance System	International Conference on Multi Disciplinary Approach towards Sustainable Development, Role of Government, Academicians, Corporate Civil Societies and Citizens	ANUSANDHAN	International	2018-19	
4	Mrs. B.Jyothi	Synthesis and characterization of non linear optical crystal L-Tyrosine hydro bromide	International Conference on Advanced Functional Materials and Devices	ICAFMD 2019	International	2018-19	
5	Mrs. M.Pranathi	Soyinka's use of English Language in Koro's harvest	International conference on voices unheard: indigenous and tribal literature in english translation	OUCIP	International	2018-19	
6	Dr. Pulla S.V.S.R. Kumar	Local Ternary Pattern Alphabet Shape Features for Stone Texture Classification	International Conference on Micro-Electronics, Electromagnetics and Telecommunications (ICMET-2018)	ICMET-2018	International	2018-19	978-3-642-27443-5

7	Dr. B. Annapurna	Evolving Technologies to an Integrated Biomedical System for Uncertainties Evaluations Using LM49, CSR and Respiration Sensors	International Conference on "Transformation of Public Health and Community Responsibility"	IPHCR	International	2018-19	ISSN: 2349-8870
8	Mrs. B. Jyothi	Rare Earth Doped Nanoparticles in Cancer Therapy	7 th International Conference on Multidisciplinary Research	IEI	International	2018-19	
9	Dr. A. Neeraja	Free Radiation and Mass Transfer Effects on MHD Convection Flow along a Moving Vertical Porous Plate With Suction and Chemical Reaction in Presence of Soret and Dufour Effects	National Conference on Computational Modeling of Fluid Dynamic Problems	CMFDP-2019	National	2018-19	ISSN: 2277-3878
10	Mrs. B. Jyothi	Antenna Array optimization for MIMO systems	2nd International conference on Recent Development in Science, Engineering, Management and Humanities		International	2018-19	ISBN: 978-93-87793-63-7
11	G. Packleraj	Influence of Diamagnetic and paramagnetic Elements on Magnetic Characteristics of M-Type Nano Hexaferrite	International Conference on Engineering and Advancement in Technology		International	2018-19	
12	Mr. U. Abhishek Kumar	Environmental Management of Modern Agricultural Towards Food Security	National conference on Emerging Trends in Environmental Law & Policy in India		National	2018-19	
13	Dr. A. Neeraja	Effect of Chemical Reaction on MHD Radiative Flow Passed an Accelerated Vertical Porous Plate	Andhra Pradesh Science Congress-2018		National	2018-19	
14	Dr. G. S. N. Murthy		Research India publications		National	2018-19	ISBN: 978-93-87374-25-6

15	Mr. T. Vennaji	A Survey on Fog Computing Based : Research Challenges in Security and Privacy Issues	International Conference on Computational Science	ICCS-2018	International	2018-19	
16	Dr.B.Annapurna	BODY AREA NETWORK: SENSOR COMMUNICATIONS THROUGH HUMAN BODY	International Conference on Recent Advancements in the Field of Computer Science and Mathematics,ICRATFCM-2017	ICRATFCM-2017	International	2018-19	ISSN NO : 2236-6124
17	Dr.B.Annapurna	DEBLURRING IMPULSE NOISE: AN APPROACH TO FUZZY LOGIC	International Conference onInnovative Domains of Mathematics and Digital Technology ICIDMDT-2018	ICIDMDT-2018	International	2018-19	ISSN NO : 2236-6124
18	Dr.B.Annapurna	LIGHT FIDELITY: - AN INTERNET COMMUNICATION SYSTEM FROM FUTURE	International Conference onInnovative Domains of Mathematics and Digital Technology ICIDMDT-2018	ICIDMDT-2018	International	2018-19	ISSN NO : 2279-543X
19	Dr.B.Annapurna	AN IOT APPROACH TO WILDFIRE DETECTION AND REMEDY WITH SENSOR NETWORK DEPLOYMENT	International Conference onInnovative Domains of Mathematics and Digital Technology ICIDMDT-2018	ICIDMDT-2018	International	2018-19	ISSN NO : 2279-543X
20	Dr.B.Annapurna	Public Blockchain Technology Model for Indian Polity System.	International Conference on Recent Advancements in the Field of Computer Science and Mathematics,ICRATFCM-2017	JCRATFCM-2017	International	2018-19	ISSN NO : 2279-543X
21	Dr.B.Annapurna	An Efficient Approach To Software Controlled Tidal Power Generation System	International Conference onInnovative Domains of Mathematics and Digital Technology ICIDMDT-2018	ICIDMDT-2018	International	2018-19	ISSN NO: 2394-2886
22	Dr.B.Annapurna	An Approach To Android Application Controlled Segway Drive	International Conference onInnovative Domains of Mathematics and Digital Technology ICIDMDT-2018	ICIDMDT-2018	International	2018-19	ISSN No: 2394-2886

23	Dr.B.Annapurna	Object Recognition Using Convolutional Neural Networks(CNN)	International Conference on computer vision and machine learning-ICCVML-2018	ICCVML-2018	International	2018-19	
24	Mrs. B.Jyothi	Non-uniform Amplitude and Spatial Distribution Based Circular-array Design using SCOA	3rd International Conference on Smart Computing and Informatics		International	2018-19	



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JOURNAL PUBLICATIONS BY THE FACULTY 2018-19

S.No	Title of Paper	Name of the author	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
1	Ohmic Heating Effect on Magneto Hydrodynamic Marangoni Mixed Convection Boundary Layer Nanofluid Flow.	M.Srinivasu	H&BS	International Journal of Engineering & Technology	2018-19	2227-524X
2	Assessment of Ground Water Quality From Industrial Area of East Godavari Region	CH.Ramya Hanika	H&BS	International Journal of Science Technology & Engineering	2018-19	2349-784X
3	Surface scattering and Quantized conduction in Semi Conducting Nano Materials	B.Jyothi	H&BS	IJAR	2018-19	2349-5138
4	Null Patterns in Circular Arrays for Beamforming Applications	B.Jyothi	H&BS	International Journal of Research in Electronics and Computer Engineering	2018-19	2393-9028
5	Antenna Array optimization for MIMO systems	B.Jyothi	H&BS	International Journal of Management, Technology And Engineering	2018-19	2249-7455
6	Circular Array Synthesis Using Social Group Optimization Algorithm	B.Jyothi	H&BS	International Journal for Research in Engineering Application & Management	2018-19	2454-9150
7	Constrained Optimization of Linear Antenna Arrays using Novel Social Group Optimization Algorithm	B.Jyothi	H&BS	International Journal of Innovative Technology and Exploring Engineering	2018-19	2278-3075

8	Radiation and Viscous Dissipation Effects on MHD Convective Flow Past an Accelerated Vertical Porous Plate Embedded in a Porous Medium with Chemical Reaction	A.Neeraja	H&BS	International Journal of Management, Technology and Engineering	2018-19	2249-7455
9	"AN EVOLUTIONARY APPROACH FOR THE GENERATION OF TIME TABLE USING PYTHON PROGRAMMING"	MR.M.RAGHUNATH	ECE	International Journal of Research In Computer and Communication Technology (IJRCCT)	2018-19	2320-5156
10	"AN EVOLUTIONARY APPROACH FOR THE GENERATION OF TIME TABLE USING PYTHON PROGRAMMING"	MR.B.PRAVEEN KUMAR	ECE	International Journal of Research In Computer and Communication Technology (IJRCCT)	2018-19	2320-5156
11	Object Recognition Using Convolutional Neural Networks(CNN)	Dr.B.Annapurna	CSE	International Conference on Computer Vision and Machine Learning	2018-19	2393-9028
12	Analysis of K*(STAR) and hierarchical clustering algorithm for education completion performance	Dr.G.S.N.Murthy	CSE	International Journal of research and analytical reviews(IJAR)	2018-19	2348-1269
13	EVOLUTION TO MULTIMEDIA DATABASE TECHNOLOGIES FOR ACADEMIC APPLICATIONS	Dr.B.Annapurna	CSE	International Journal of Scientific Research and Review	2018-19	12279-343X
14	MULTIMEDIA DATABASE CONCERNS – AN APPLICATION TO SIGHT AND SOUND WITH BLENDED SOLUTION TO IMPLEMENTATION ISSUES	Dr.B.Annapurna	CSE	International Journal of Management, Technology And Engineering	2018-19	2245-7455
15	A survey on fog computing: research challenges in security and privacy issues	T.VEERRAJU	CSE	International Journal of Engineering & Technology	2018-19	DOI: 10.14419/ijet.v7.i2.210710
16	AN ENHANCED HASH BASED CRYPTOGRAPHIC ALGORITHM	T.VEERRAJU	CSE	GLOBAL JOURNAL OF ENGINEERING SCIENCE AND RESEARCHES	2018-19	2348 – 8034
17	AN ENHANCED HASH BASED CRYPTOGRAPHIC ALGORITHM	S.Sai Ganesh	CSE	GLOBAL JOURNAL OF ENGINEERING SCIENCE AND RESEARCHES	2018-19	2348 – 8034
18	Protected Combination Of Artificial Neural Network With Wireless Sensor Networks	Dr.Udayabhana N.P.G.Raju	CSE	International Journal of Engineering and Advanced Technology (IJ-EAT)	2018-19	2249 – 8958
19	An Enhanced Hash based cryptographic Algorithm	Dr.G.S.N.Murthy	CSE	Global Journal of Engineering Science and Research(GJESR)	2018-19	2348-8034

20	Quantum digital signature based group key management in e-commerce	Dr.Udayabhanu N.P.G.Raju	CSE	International Journal of Pure and Applied Mathematics	2018-19	1314-3395
21	BODY AREA NETWORK: SENSOR COMMUNICATIONS THROUGH HUMAN BODY	Dr.B Annaburna	CSE	International Journal of Research	2018-19	2236-6124
22	DEBLURRING IMPULSE NOISE: AN APPROACH TO FUZZY LOGIC	Dr.B Annaburna	CSE	International Journal of Research	2018-19	2236-6124
23	LIGHT FIDELITY: - AN INTERNET COMMUNICATION SYSTEM FROM FUTURE	Dr.B Annaburna	CSE	International Journal of Scientific Research and Review	2018-19	2279-543X
24	AN IOT APPROACH TO WILDFIRE DETECTION AND REMEDY WITH SENSOR NETWORK DEPLOYMENT	Dr.B Annaburna	CSE	International Journal of Scientific Research and Review	2018-19	2279-543X
25	Public Blockchain Technology Model for Indian Policy System	Dr.B Annaburna	CSE	International Journal of Scientific Research and Review	2018-19	2279-543X
26	Auto-Dialog Systems: Implementing Automatic Conversational Man-Machine Agents by Using Artificial Intelligence & Neural Networks	Dr.B Annaburna	CSE	International Journal of Scientific Research and Review	2018-19	2279-543X
27	An Efficient Approach To Software Controlled Tidal Power Generation System	Dr.B Annaburna	CSE	International Journal of Sural Punj Journal For Multidisciplinary Research	2018-19	2394-2886
28	An Iot Approach To Wildfire Detection And Remedy With Sensor Network Deployment	Dr.B Annaburna	CSE	International Journal of Scientific Research and Review	2018-19	2279-543X
29	An Approach To Android Application Controlled Segway Drive	Dr.B Annaburna	CSE	International Journal of Sural Punj Journal For Multidisciplinary Research	2018-19	2394-2886
30	Regulation Of Power Flow by Unified Power Flow Controller	K.Manor Kumar Reddy	EEE	Journal of Emerging Technologies and Innovative Research	2018-19	2349-5162
31	New integrated multilevel converter for switched reluctance motor drives in plug-in hybrid electric vehicles with flexible energy conversion for renewable energy conversion	K.K.Pavan Kumar	EEE	International Journal of Research (IJR)	2018-19	2236-6124
32	performance and analysis of the hybrid fuzzy logic controller based static synchronous compensator	A.SRIDHAR	EEE	IJR JOURNAL	2018-19	2236-6124
33	performance and analysis of the hybrid fuzzy logic controller based static synchronous compensator	CH M K RAO SEDDAM	EEE	IJR JOURNAL	2018-19	2236-6124
34	Optimal Capacitor Placement in Radial Distribution Systems Using Flower Pollination Algorithm	U.P. Kumar Chaturvedi, A.	EEE	International Journal of Research and Scientific Innovation (IJRSI)	2018-19	2321-2705

35	A STATCOM- Artificial Intelligence Based Controller for Voltage Regulation State Estimation Solution with Optimal Allocation of Phasor Measurement Units Considering Zero Injection Bus Modeling	K K pavan kumar	EEE	International Journal of Research	2018-19	2348-795X
36		Dr. M. Ravindra	EEE	International Journal of Electronics and communication engineering	2018-19	0974-2166
37	ITC Cuk Converter for BLDC Motor Drives	M Ravindra	EEE	International Journal of Management, Technology And Engineering	2018-19	2249-7455
38	Manufacturing and testing of polymer matrix interply hybrid laminated composite	B.SRIKANTH	MECH	International Journal of Management, Technology And Engineering UGC NO-45550	2018-2019	2249-7455
39	Manufacturing and testing of polymer matrix interply hybrid laminated composite	T UDAY KIRAN	MECH	International Journal of Management, Technology And Engineering UGC NO-45550	2018-2019	2249-7455
40	"Modeling Diesel Engine fuelled with Tamamu Oil-Diesel Blend by Hybridizing Neural Network with Firefly Algorithm"	Mr. Y. K. S. Subba Rao	MECH	International Journal of Renewable Energy	2018-2019	0960-1481
41	"Heat transfer augmentation techniques in forced flow V-through solar collector equipped with V-Cut and square twisted tape"	Dr. A. Saravanan	MECH	International Journal of Thermal Sciences, ELSEVIER	2018-2019	1290-0729
42	"Performance Enhancement of Centrally Finned Twist Inserted Solar Collector Using Corrugated Booster Reflectors"	Dr. A. Saravanan	MECH	ENERGY, ELSEVIER	2018-2019	0360-5442
43	"Influence of Corrugated Booster Reflectors in a Centrally Finned Twist Inserted Solar Thermal Collector on Heat Transfer and Thermal Performance Characteristics"	Dr. A. Saravanan	MECH	Journal of Heat Transfer ASME	2018-2019	0022-1481
44	"A Comprehensive Analysis in Biodiesel Blend Model"	Mr. Y. K. S. Subba Rao	MECH	International Journal of Artificial Life ugc 53558	2018-2019	1947-3087
45	COMPARATIVE THERMAL ANALYSIS ON HEAT SINK WITH DIFFERENT GEOMETRIES	P HARI CHANDRA PRASAD	MECH	International Journal of Research and Analytical Reviews ugc 43602	2018-2019	2349-5138
46	"Influence of Helix Twisted Tape on Heat Transfer and Friction Factor in forced Circulation V-trough Solar Water Heater"	Dr. Saravanan	MECH	International Journal of Sustainable Energy	2018-2019	1478646X

47	"Effect of Process Parameters and Mechanical Behaviour of EDM Processed PLA Parts"	KL KISHORE	MECH	The Journal of International Journal of Management Technology and Engineering	2018-2019	2249-7455
48	"Influence of Injection Timing on Cerium Oxide Nanoparticle Doped in Waste Cooking Palm Oil Bio-Diesel and Diesel Blends Fuelled in Diesel Engine"	Mr. H. Suresh Babu Rao,	MECH	Published in International Journal of Ambient Energy (IJAE)	2018-2019	0143-0750
49	"Effect of Compression Ratio on Nano-Particle Doped Fuel Blends in Unmodified Research Engine"	Mr. H. Suresh Babu Rao,	MECH	Published in International Journal of Ambient Energy (IJAE)	2018-2019	0143-0750
50	"Effect of Exhaust Gas Recirculation on a Nanoparticle-Doped Biodiesel and Diesel-Blended-Fuelled Diesel Engine"	Mr. H. Suresh Babu Rao,	MECH	Published in International Journal of Ambient Energy (IJAE)	2018-2019	0143-0750
51	A COMPARATIVE STUDY ON SEISMIC RESISTANCE OF A HIGH RISE STRUCTURE WITH FLOATING COLUMNS HAVING INRILL SHEAR WALL AT DIFFERENT LOCATIONS	K.Pavan Kumar	Civil	International Journal of Technical Innovation in Modern Engineering & Science (UTIMES)	2018-2019	2455-3585
52	A COMPARATIVE STUDY ON SEISMIC RESISTANCE OF A HIGH RISE STRUCTURE WITH FLOATING COLUMNS HAVING INRILL SHEAR WALL AT DIFFERENT LOCATIONS	Syed. Nizamuddin Khadri	Civil	International Journal of Technical Innovation in Modern Engineering & Science (UTIMES)	2018-2019	2455-3585
53	Study on Strength Characteristics of Eco-Friendly Geopolymer Concrete Blended with Silica Fume	P.R. Kishore	Civil	International Journal of Engineering Research and Technology	2018-2019	2395-0056
54	Study on Strength Characteristics of Eco-Friendly Geopolymer Concrete Blended with Silica Fume	B.J. Sushma	Civil	International Journal of Engineering Research and Technology	2018-2019	2395-0056
55	Experimental Study on Microbial Fibre concrete	B. Kondababu	Civil	International Journal of Engineering and Management Research	2018-2019	2250-0758
56	Experimental Study on Microbial Fibre concrete	V. Tamilvelan	Civil	International Journal of Engineering and Management Research	2018-2019	2250-0758
57	RIISING AWARENESS ON ENVIRONMENTAL ISSUES AND NATURE CONSERVATION-ROLE OF INDIAIN MEDIA	Mr. Govardhan Reddy	MBA	JETIR	2018-2019	2349-5162
58	"Studies of Various Parameters on L-Lysine Production"	Mrs. V. Supriya	PET	Journal of Emerging Technologies and Innovative Research (JETIR)	2018-2019	2349-5162



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Grants received from government and non governmental agencies for the research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

A.Y.2018-2019

Sl.No.	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the Project	Name of the Funding Agency	Type(Government/Non Government)
1	Alkali Silicate Reaction in RCC	T.Sivaram	Civil Engineering	2018-2019	0.52	3 months	RMK Infra Kakinada	Non-Government
2	Performance Evaluation of AC Motors	N.Kotreddy	Electrical & Electronics Engineering	2018-2019	0.3	2 months	NFCL-Kakinada	Non-Government
3	Electrical Energy Audit for various systems	P.Baburishva	Electrical & Electronics Engineering	2018-2019	0.33	1.5 month	NFCL-Kakinada	Non-Government
4	Improving performance of Storage Tank	Sai Parameshwar	Petroleum Technology	2018-2019	1.05	3 months	Chandra Oil & Gas Pvt.Ltd	Non-Government
5	Design, Analysis and Fabrication of All Terrain Vehicle	P.S.U.S.R.Krishna	Mechanical Engineering	2018-2019	10.5	9 months	Sarojini Educational Society	Non-Government
6	Design and Fabrication of Etricycle	P. Srinivas	Mechanical Engineering	2018-2019	3	9 months	Sarojini Educational Society	Non-Government


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