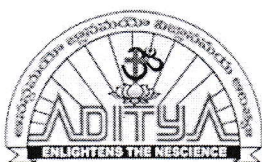


**RESEARCH  
AND  
DEVELOPMENT COMMITTEE  
(R & D)  
AY: 2019-2020**



# ADITYA COLLEGE OF ENGINEERING

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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/2019-20/Constitution of R&D

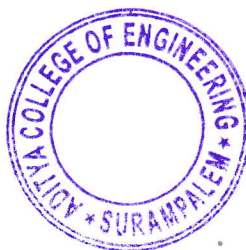
04-06-2019


## CONSTITUTION OF RESEARCH AND DEVELOPMENT COMMITTEE

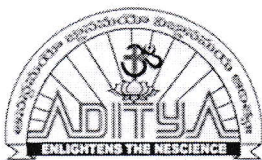
The undersigned is pleased to constitute the Research and Development Committee with the following members for the academic year 2019-20 to plan and enhance the quality aspects in research and development of our college.

S.No	Name	Designation	Roll
1	Dr.A.Ramesh	Principal	Chairman
2	Dr. Pullela SVVSR Kumar	HOD – CSE	Coordinator
3	Dr. T.Anil Kumar	HOD - PT	Member
4	Dr. N.Vishalakshi	HOD - MBA	Member
5	Prof. G.Rama Krishna	HOD - ECE	Member
6	Prof.Y.K.Subba Rao	HOD – ME	Member
7	Prof. K. Manoj Kumar Reddy	HOD – EEE	Member
8	Prof. M.Srinivasu	HOD - H&S	Member
9	Dr.M.Ravindra	Associate Professor – EEE	Member
10	Dr. G. Meenakshi Sundaram	Professor – ECE	Member
11	Dr.B.M.Rahula Bharathi	Associate Professor – ME	Member
12	Dr. A.Neeraja	Professor - H&S	Member
13	Mr.R.Kameswara Rao	Student (IV year)	Member
14	Ms. K.Sravani	Student (IV year)	Member

cc to all members of R&D Committee



  
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Ref: ACOE/R&D/2019-20/SOP

Date: 04-06-2019

## Research and Development committee

### Standard Operating Procedure 2019-20

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, IEI (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:

<b>International Journal with Impact Factor</b> (It should be Thomson and Reuter impact factor journals)	- Rs. 7,500/-
<b>International Journal</b> (It should be Scopus / Science Citation Index)	- Rs. 5,000/-
<b>National Journals</b> (It should appear in the UGC approved list of Journals and peer reviewed)	- Rs. 2,000/-
<b>International Conference</b> (Organized by NIT/IIT/reputed University) OR Registration fee and actual expenditure whichever is lower	- Rs. 7,500/-
<b>National Conference</b> 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/-
<b>Publishing of Text Books</b> (International Edition) (Indian Edition)	-Rs. 20,000/- - Rs. 10,000/-
<b>Publishing of Chapter in a Book</b>	- Rs. 2,000/-
<b>Publishing an article in a Journal / Magazine</b>	- Rs. 2,000/-
<b>Patent</b> <ul style="list-style-type: none"><li>- National (Publication)</li><li>- National (Awarded)</li></ul>	- Rs. 10,000/- - Rs. 10,000/-
<b>Patent</b> <ul style="list-style-type: none"><li>- US Patent</li></ul>	- 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.

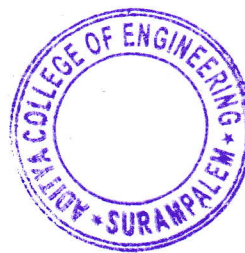



- IV. The college encourages students, faculty and staff to participate in National/International Conferences, Training programs (IITs/NITs/State Engg. Colleges etc.) by giving financial support viz. course/registration fee, TA/DA etc.
- V. One week additional summer vacation is provided for Researchers.
- 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.

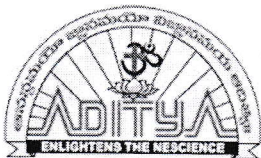
### FUNCTIONS

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.

  
Coordinator - R&D



  
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# ADITYA COLLEGE OF ENGINEERING

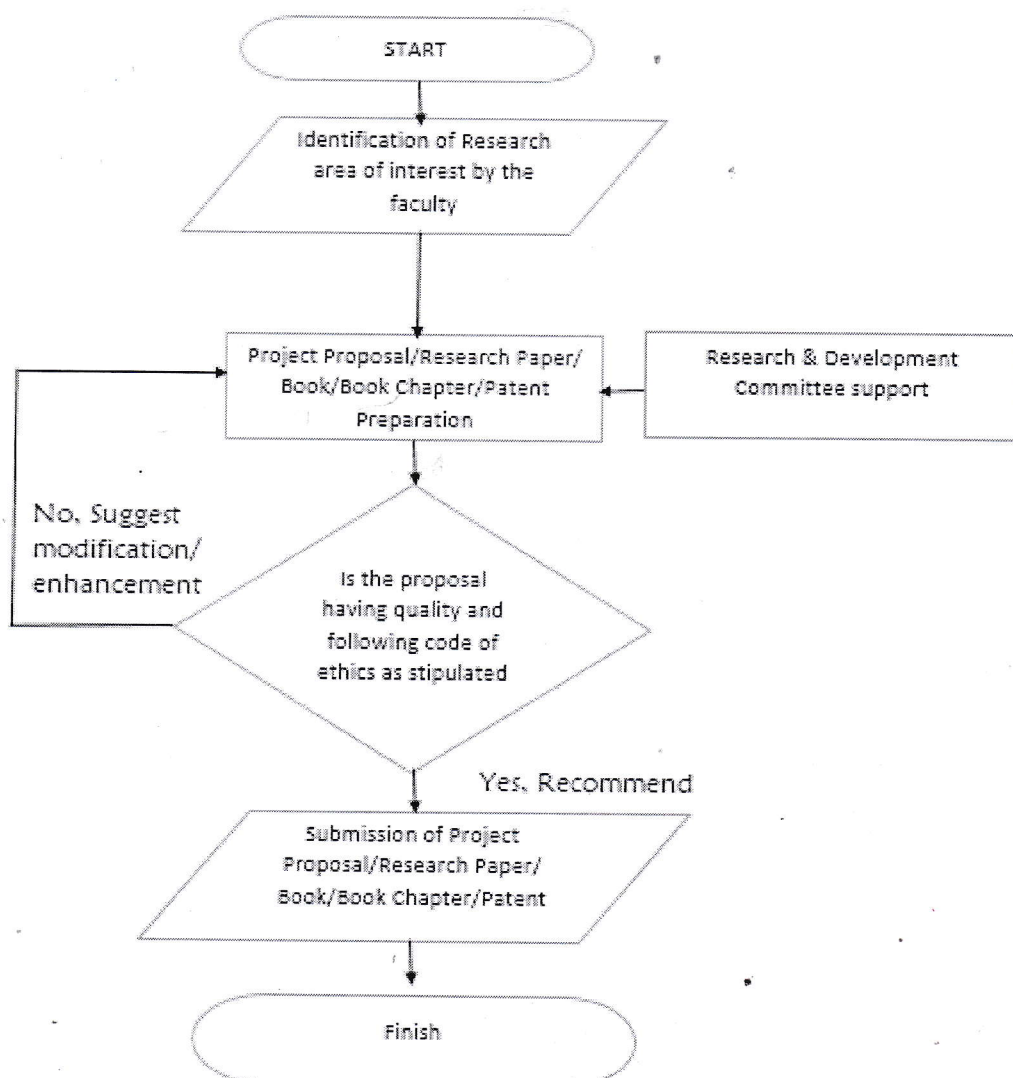
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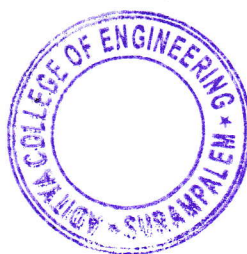
Date: 04-06-2019

## Research and Development cell

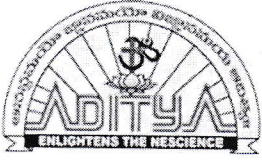
### Flow Chart



Coordinator – R&D



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Ref: ACOE/R&D/2019-20/02/CIRCULAR

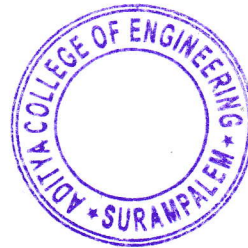
Date: 09.12.2019

## CIRCULAR

This is to inform that R&D committee meeting is scheduled on 16.12.2019 at 02:30PM 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 2019-20 (1<sup>st</sup> Semester).
2. To review the conduct of different organized events related towards research enhancement during 2019-20 (1<sup>st</sup> Semester).
3. 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/2019-20/01/Minutes

18-06-2019

## MINUTES OF RESEARCH & DEVELOPMENT (R&D) COMMITTEE ACADEMIC YEAR 2019-20

Date of meeting	18 <sup>th</sup> June 2019	Duration	10.00AM to 11.30 NOON
Venue	Conference room, First floor, Ramanujan Bhavan		
Reference	ACOE/R&D/2019-20/01/CIRCULAR Dated 11.06.2019		

The R&D meeting of Aditya College of Engineering held on 18<sup>th</sup> June 2019 with the following agenda:

1. To discuss and prepare SOP.
2. To review the publications made by the faculty during the academic year 2018-19.
3. To review the research work status of faculty during the academic year 2018-19 who are pursuing their Ph.D.
4. To review publications during the academic year 2018-19 of M.Tech students.
5. To plan the FDP, Workshop, Seminar, Guest Lecture etc. to be organized by the college to enhance research work for the academic year 2019-20.
6. To enhance the number of papers to be published for the academic year 2019-20.
7. Any other point with the permission of the chair.


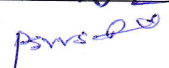
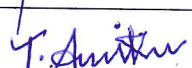
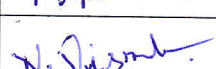
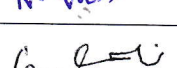
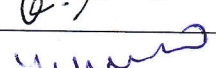
The meeting of R&D Committee commenced with a welcome note by, Dr. A.Ramesh, Chairman, R&D Committee. The Coordinator, R&D Committee has extended his cordial welcome to all the members and readout the notes on agenda for discussion.

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

## MINUTES AND RESOLUTIONS

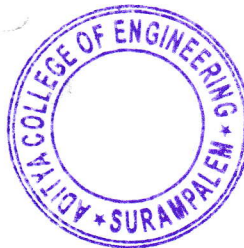
1. All the members discussed about SOP and given suggestions regarding SOP.
2. 24 research papers were published in International/National Journals for the academic year 2018-19.
3. 22 research papers were presented in International/National conferences during the academic year 2018-19.
4. The committee has verified the plagiarism of the paper publications which are going to be submitted by the faculty for various journals and recommended suggestions.
5. 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 are to be enhanced in future.
6. Faculty should attend minimum one FDP per semester.
7. At least one workshop is to be conducted by every department.
8. Committee advised the faculty to publish at least two journal papers in a year.
9. Committee has encouraged the faculty members for getting more number of sponsored projects.
10. Convener –IIC proposed to plan for Industrial collaboration to enhance industrial oriented research.
11. The Meeting is concluded with thanks to the chair.

Members attended the meeting on 18<sup>th</sup> June 2019

S.No	Name	Designation	Roll	Signature
1	Dr.A.Ramesh	Principal	Chairman	
2	Dr. Pullela SVVSR Kumar	HOD – CSE	Coordinator	
3	Dr. T.Anil Kumar	HOD - PT	Member	
4	Dr. N.Vishalakshi	HOD - MBA	Member	
5	Prof. G.Rama Krishna	HOD - ECE	Member	
6	Prof.Y.K.Subba Rao,	HOD – ME	Member	

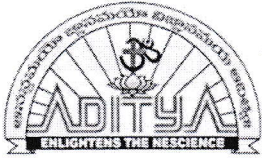
7	Prof. K. Manoj Kumar Reddy	HOD – EEE	Member	<i>K m K Reddy</i>
8	Prof.M.Srinivasu	HOD - H&S	Member	<i>M. S. V S</i>
9	Dr.M.Ravindra	Associate Professor – EEE	Member	<i>M. Ravindra</i>
10	Dr. G.Meenakshi Sundaram	Professor – ECE	Member	<i>Gy</i>
11	Dr.B.M.Rahula Bharathi	Associate Professor – ME	Member	<i>B. M. Rahula</i>
12	Dr. A.Neeraja	Professor - H&S	Member	<i>A. Neeraja</i>
13	Mr.R.Kameswara Rao	Student (IV year)	Member	<i>R. Kameswara Rao</i>
14	Ms. K.Sravani	Student (IV year)	Member	<i>K. Sravani</i>

*DSVVS*  
Coordinator



*A. S. S.*  
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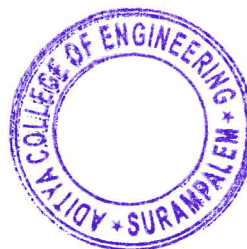
Date: 11.06.2019

## CIRCULAR

This is to inform that R&D committee meeting is scheduled on 18.06.2019 at 10:00AM 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.
2. To review the publications made by the faculty during the academic year 2018-19.
3. To review the research work status of faculty during the academic year 2018-19 who are pursuing their Ph.D.
4. To review publications during the academic year 2018-19 of M.Tech students.
5. To plan the FDP, Workshop, Seminar, Guest Lecture etc. to be organized by the college to enhance research work for the academic year 2019-20.
6. To enhance the number of papers to be published for the academic year 2019-20.
7. Any other point with the permission of the chair.

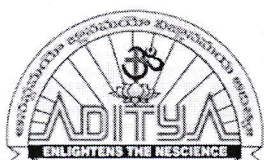




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- Cc to: 1. All members of R&D committee  
2. Convener-EDC cell,  
3. Convener-IPR Cell,  
4. Convener, Industry Institution Interaction Committee



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Ref: ACOE/R&D/2019-20/02/Minutes

16-12-2019

## MINUTES OF RESEARCH & DEVELOPMENT (R&D) COMMITTEE ACADEMIC YEAR 2019-20

Date of meeting	16 <sup>th</sup> Dec 2019	Duration	2.30PM to 4.30 PM
Venue	Conference room, First floor, Ramanujan Bhavan		
Reference	ACOE/R&D/2019-20/02/CIRCULAR Dated 09.12.2019		

The R&D meeting of Aditya College of Engineering held on 16<sup>th</sup> Dec 2019 with the following agenda:

1. To review the research publications made by the faculty during 2019-20 (1<sup>st</sup> Semester).
2. To review the conduct of different organized events related towards research enhancement during 2019-20 (1<sup>st</sup> 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.

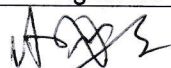
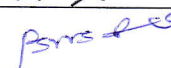
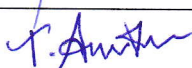
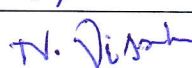
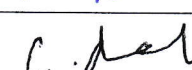
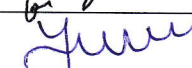
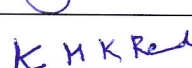
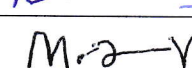
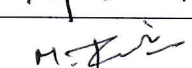
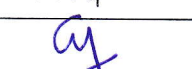

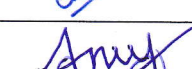
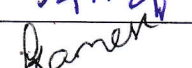
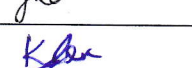
The following points as per the Agenda are discussed and resolutions are adopted.

### MINUTES AND RESOLUTIONS

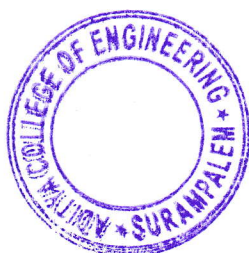
1. The members of the committee discussed regarding number of published papers of each department and noticed that the number of publications are less, due to the less number of senior faculty. The members of the committee proposed to motivate the faculty towards research work and publish more number of papers in reputed journals.


2. The committee has substantiated the organized events related towards research enhancement during 2019-20.
3. Convener IPR Cell suggested proper verification of research papers should be 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 16<sup>th</sup> Dec 2019

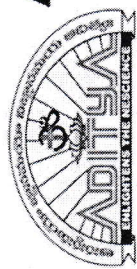
S.No	Name	Designation	Roll	Signature
1	Dr.A.Ramesh	Principal	Chairman	
2	Dr. Pullela SVVSR Kumar	HOD – CSE	Coordinator	
3	Dr. T.Anil Kumar	HOD - PT	Member	
4	Dr. N.Vishalakshi	HOD - MBA	Member	
5	Prof. G.Rama Krishna	HOD - ECE	Member	
6	Prof.Y.K.Subba Rao	HOD – ME	Member	
7	Prof. K. Manoj Kumar Reddy	HOD – EEE	Member	
8	Prof. M.Srinivasu	HOD - H&S	Member	
9	Dr.M.Ravindra	Associate Professor – EEE	Member	
10	Dr. G.Meenakshi Sundaram	Professor – ECE	Member	
11	Dr.B.M.Rahula Bharathi	Associate Professor – ME	Member	
12	Dr. A.Neeraja	Professor - H&S	Member	
13	Mr.R.Kameswara Rao	Student (IV year)	Member	
14	Ms. K.Sravani	Student (IV year)	Member	

  
Coordinator



  
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## JOURNAL PUBLICATIONS BY THE FACULTY 2019-20

S. No	Title of Paper	Name of the author	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
1	Null steering in linear arrays for Multiple Null positions	B.Jyothi	H& BS	International Journal of Recent Technology and Engineering	2019-20	2277-3878
2	Preparation of Magneto Electric (BaFe12O19/BiFeO3) Composites using Sol-Gel Auto Combustion Method	Dr. G.Packiaraj	H& BS	International Journal of Innovative Technology and Exploring Engineering	2019-20	2278-3075
3	Free Radiation and Viscous Dissipation Effects on MHD Convective Flow along a Moving Vertical Porous Plate with Suction and Chemical Reaction in Presence of Soret and Dufour Effects	Dr. A.Neeraja	H& BS	International Journal of Innovative Technology and Exploring Engineering	2019-20	2277-3878
4	Effects of Viscous Dissipation and Convective Boundary Conditions on Magneto Hydro Dynamics Flow of Casson Liquid over a Deformable Porous channel	Dr. A.Neeraja	H& BS	Results in Engineering	2019-20	2590-1230
5	Effect of 200 MeV Ag16+ swift heavy ion irradiation on structural and magnetic properties of M-type barium hexaferrite	Dr. G.Packiaraj	H& BS	Materials Research Express	2019-20	2053-1591
6	Numerical Study of MHD Casson Liquid Stream over an infinite Vertical Porous Plate with Newtonian Heating	Dr. A.Neeraja P.S.S.R.Sujatha	H& BS	Indian Journal of Science and Technology	2019-20	0974-6846 (p) 0974-5645(o)
7	Magnetic properties of Cu and Al doped nano BaFe12O19 ceramics	Dr. G.Packiaraj	H& BS	BioInterface Research in Applied Chemistry	2019-20	2069-5837

8	Dielectric and magnetic properties of Polyaniline blended Y-type Ba <sub>2</sub> Ni <sub>2</sub> Fe <sub>2</sub> O <sub>22</sub> hexaferrite composites	Dr. G.Packiaraj	H& BS	Journal of Electronic Materials	2019-20	0361-5235
9	Effects Of Viscous Dissipation And Magnetohydrodynamics On Ree-Eyring Fluid Flow Over A Deformable Porous Channel	Dr. A.Neeraja P.S.S.R.Sujatha	H& BS	International Journal of Mechanical and Production Engineering Research and Development	2019-20	2249-8001
10	Structure and Advancement of Suite Capacities of Quantum Circuits	B.Jyothi	H& BS	Journal of Critical Reviews	2019-20	2394-5125
11	Mutation Probability Based Lion Algorithm For Design And Optimization Of Microstrip Patch Antenna	Mr.G. Rama Krishna	ECE	Evolutionary Intelligence	2019-20	1864-5909
12	Patch Antenna Design Optimization Using Opposition Based Grey Wolf Optimizer And Map-Reduce Framework	Mr.G. Rama Krishna	ECE	Data Technologies and Applications	Accepted on 29 Aug 2019	2514-9288
13	A Compact Design Of Ultra Wideband Antenna With 5.5ghz To 5.9ghz Dual Band Characteristics	Mr.G. Rama Krishna	ECE	International Journal of Innovative Technology and Exploring Engineering	2019,sep11	2278-3075
14	Analyzing The Design Of The Octagonal Patch Antenna At 67ghz With Altering Dimensions	Mr.G. Rama Krishna	ECE	International Journal On Emerging Technologies	2020	2249- 3255
15	Design And Analysis Of Ultra-Wideband Octagonal Circular Ring Patch Antenna Using Defected Ground Structures	Mr.G. Rama Krishna	ECE	IJAST	2020	2005-4238
16	Detection Of Missing Tooth From Dental Radiographic And Photographic Images In Forensic Odontology	Mrs.G.Jaffino	ECE	International Journal of Biomedical Engineering and Technology	2019	1752-6418
17	New Chaos-Based Lossless Image Compression And Selective Encryption Using Alpha Rooting	Mr.M.Venkateswarlu	ECE	IJAST	2020	2968-2975

18	A Novel Approach for Organizing the Conflicting Security Tasks in a dynamically Distributed Systems Environment	Dr.G.S.N.Murty	CSE	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019-20	2278-3075
19	A Novel Approach for Organizing the Conflicting Security Tasks in a dynamically Distributed Systems Environment	T. Veeraj	CSE	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019-20	2278-3075
20	A Novel Approach for Organizing the Conflicting Security Tasks in a dynamically Distributed Systems Environment	T. Satya Kumari	CSE	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019-20	2278-3075
21	A Novel Approach for Organizing the Conflicting Security Tasks in a dynamically Distributed Systems Environment	V. Anantha Lakshmi	CSE	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019-20	2278-3075
22	Exploring the API calls for Malware Behavior Detection using Concordance and Document Frequency	Dr.G.S.N.Murty	CSE	International journal of Engineering and advanced Technology (JEAT)	2019-20	2249 – 8958



23	A tribrid Paradigm against Inundation wild animal attack and fire disasters	Dr.B. Annapurna	CSE	International Journal of Innovative Technology and Exploring Engineering(IJITEE)	2019-20	2278-3075
24	An Efficient Utilization of Robotics and IoT to Overcome Threats of Pesticides	Dr.B. Annapurna	CSE	International Journal of Innovative Technology and Exploring Engineering(IJITEE)	2019-20	2278-3075
25	Reporting and Managing Pollution in Vehicles using IoT Technology	Dr.B. Annapurna	CSE	TEST Engineering and Management	2019-20	0193-4120
26	Socio-Economical Status of India using Machine Learning Algorithms	V.Balasankar	CSE	International Journal of Recent Technology and Engineering(IJRTE)	2019-20	2277-3878
27	E-Commerce Security by Quantum Digital Signature-Based Group Key Management Lecture Notes in Networks and Systems	Dr.Udayabhenu N.P.G.Raju	CSE	Innovations in Computer Science and Engineering- Lecture Notes in Networks and Systems, Springer	2019-20	2367-3389
28	Object Recognition Using Shift Invariant Artificial Neural Network	Dr.B. Annapurna	CSE	Published in Think India Journal	2019-20	0971 – 1260

29	Critical Line based Optimal Allocation of UPFC to improve Voltage Stability of the system	K. Manoz Kumar Reddy	EEE	International Journal of Recent Technology and Engineering (IJRTE)	Mar-20	2277-3878
30	Power Congestion Control Considering UPFC to Enhance Voltage Stability of the System	U P Kumar Chaturvedula	EEE	IJEAT	2019-20	2249-8958
31	Energy Management System in Electric Vehicle with PV Fed SRM System	M somi Reddy	EEE	International Journal of Modern Trends in Science and Technology	2019-20	2455-3778
32	HISTOGRAM PATTERN AND KALMAN FILTER APPROACH BASED REAL TIME OBJECT RECOGNITION AND TRACKING SYSTEM	K. Manoz Kumar Reddy	EEE	Journal Of Critical Reviews	2019-20	2394-5125
33	Complete Observability Constrained Deployment of PMUs in Power System Network : Using an Upgraded Binary Grey Wolf Optimization Algorithm Approach	Dr. M. Ravindra,	EEE	International Journal of Future Generation of Communication and Networking	2019-20	2233-7857
34	Complete Observability Constrained Deployment of PMUs in Power System Network : Using an Upgraded Binary Grey Wolf Optimization Algorithm Approach	Dr. A. Ramesh	EEE	International Journal of Future Generation of Communication and Networking	2019-20	2233-7857
35	Simulation and Prototype Implementation of Hybrid H-bridge MLI with Minimum Switches	Dr. A. Ramesh	EEE	International Journal of Engineering and Advanced Technology (IJEAT)	2019-20	2249 – 8958
36	Simulation and Prototype Implementation of Hybrid H-bridge MLI with Minimum Switches	B.V.S.S.Gopal	EEE	International Journal of Engineering and Advanced Technology (IJEAT)	2019-20	2249 – 8958

37	Design and Simulation of Flexural Stresses of PM Composite Beam	YKS Subbarao	MECH	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2019-2020	2249-6890
38	OPTIMIZATION OF TIG WELDING PROCESS USING TAGUCHI METHOD	YKS Subbarao	MECH	of Mechanical and Production Engineering Research and Development (IJMPERD)	2019-2020	2249-6890
39	Moisture Absorption and Chemical Resistance Studies on Pineapple Fiber Reinforced Vinyl Ester Composite	Marxim Rahula Bharathi B	MECH	of Engineering and Advanced Technology (IJEAT)	2019-2020	ISSN: 2249 – 8958
40	Time delay estimation using wavelet denoising maximum likelihood method for underwater reverberant environment	Marxim Rahula Bharathi B	MECH	IET Radar, Sonar & Navigation	2019-2020	1751-8792
41	WEAR BEHAVIOR ON HYBRID COMPOSITE MATERIAL USING	YKS Subbarao	MECH	Journal Of Critical Reviews	2019-2020	2394-5125
42	Biodiesel production from Caulerpa racemosa (macroalgae) oil	N. Bhanu Teja	MECH	Indian Journal of Geo Marine Sciences	2019-20	0975-1033
43	DESIGN AND OPTIMIZATION OF CRANE HOOK	YKS Subbarao	MECH	Journal Of Critical Reviews	2019-2020	2394-5125
44	Ideal location of outrigger system and its efficiency for unsymmetrical tall buildings under lateral loadings	Dr.V.Swamy nadh	Civil	International Journal of Scientific & Technology Research	2019-2020	2277-8616
45	Mechanical properties of light transmitting concrete	Mr .B. RagahavaMaheedar	Civil	International journal of innovative technology and exploring engineering	2019-2020	2278-3075
46	Mechanical performance of asphalt mixture percentage in recycled aggregate pavement	Mr. U.Praveen kumar	Civil	Test engineering and management	2019-2020	0193-4120

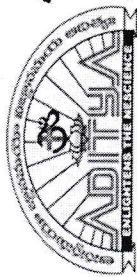


47	Seismic response on multi-storied building having shear walls with and without openings	Mr. U.Praveen kumar	Civil	Materials today proceedings	2019-2020	2214-7853
48	Mechanical properties of glass fiber concrete with different dosages of glass fiber	Mr.Nizamuddin Khadri	Civil	International journal of recent technology and engineering	2019-2020	2277-3828
49	Experimental study of permeable concrete pavement with polypropylene fibres	K.Jaya Rao	Civil	International journal of Psychosocial rehabilitation	2019-2020	1475-7192
50	Analysis of RCC T-Beam and Prestressed Concrete Box girder Bridges Super Structure Under Different Span Conditions	Dr.V.Swamy nadh	Civil	Materials today proceedings	2019-2020	2214-7853

  
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## CONFERENCE PUBLICATIONS BY THE FACULTY 2019-20

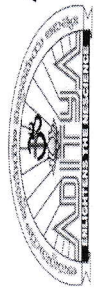
Sl. No.	Name of the teacher	Public Blockchain Technology Model for Indian Polity System.	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication
1	M.Ravindra	A sensitive based approach for optimal allocation of OUPEC under single line contingencies	5th International Conference on Micro Electronics, Electromagnetic s And Telecommunications	ICMEET 2019	International	2019-20
2	M.Ravindra	Necessity of power system state estimation: A generalized linear state estimation solution with application of PMU measurements.	4th International conference on Innovations in Electrical & Electronics Engineering	ICIEEE-2019	International	2019-20
3	M.V.Kumar Reddy	Optimization of Fuzzy Interference System Using Genetic Algorithm	International conference on Power ,Control, Signals and Instrumentation Engineering	ICPCSI - 2019	International	2019-20
4	K.Manoh Kumar Reddy	Optimization of Fuzzy Interference System Using Genetic Algorithm	International conference on Power ,Control, Signals and Instrumentation Engineering	ICPCSI - 2019	International	2019-20
5	Dr. A Ramesh	Optimization of Fuzzy Interference System Using Genetic Algorithm	International conference on Power ,Control, Signals and Instrumentation Engineering	ICPCSI - 2019	International	2019-20
6	Dr.Udayabhanu NPG Raju	Cyber-Attacks Detection Using Novel IDDMs Framework.	3rd International Conference on Intelligent Computing-2020	ICIC-2020	International	2019-20

7	Dr.G.S.N.Murthy	Empirical Analysis on Uddanam CKD with Unsupervised MLs including PCA	International conference on Computational Intelligence and Pattern Recognition -2020	CIPR-2020	International	2019-20
8	Dr.B.Annapurna	Evolving technologies to an integrated bio-medical system for universities evaluation using LM-49,GSR and respiration sensor	International fourm- 2019, Trasnformation of public health and community responsibility	International fourm- 2019	International	2019-20
9	B.Raghava Maheedhar	Study on Formation & Propagation of Cracks in Concrete: A Review	1st Online International Conference on Recent Advances in Computational & Experimental Mechanics	ICRACEM- 2020	International	2019-20

  
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Grants received from Government and non Governmental agencies for the research projects, endowments, Chairs in the institution (INR in Lakhs)

A.Y.2019-2020

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	Fibre reinforced concrete	K. Lavanya	Civil Engineering	2019-2020	0.31	3 months	R.S.R Infra	Non-Government
2	Extraction of biodiesel from thadi-palm oil and testing its suitability in diesel engines	N.Bhanuteja	Mechanical Engineering	2019-2020	0.35	2 months	Sarojini Educational Society	Non-Government
3	Nurturing eco next challenge	Dr. Pullela S V S R Kumar	Computer Science Engineering	2019-2020	19.987	12 months	National Council for Science and Technology Communication	Government
4	Scrolling LED	N.Rajesh babu	Electronics & Communication Engineering	2019-2020	0.24	1 month	Sri Krishna Ayurvedham kakinada	Non-Government



  
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