

**RESEARCH
AND
DEVELOPMENT COMMITTEE
(R & D)
AY: 2022-2023**



ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
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/2022-23/Constitution of R&D

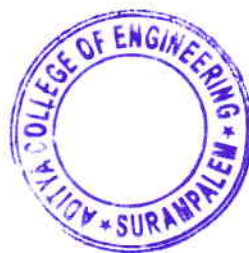
18-07-2022


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 2022-23 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 SVSR Kumar	Dean – A&A	Coordinator
3	Dr. T.Anil Kumar	HOD - PT	Member
4	Dr. G S N Murthy	HOD - CSE	Member
5	Dr. G.Rama Krishna	HOD - ECE	Member
6	Dr.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 Marxim Rahula Bharathi B	Associate Professor – ME	Member
12	Dr.G.Balaji Prakash	Assistant Professor - H&S	Member
13	Konujula Samyuktha	IV Year, B.Tech-ECE	Student Member
14	Kambham Akhil	IV Year, B.Tech-CSE	Student Member

Cc to all members of R&D Committee




PRINCIPAL
Aditya College of Engineering
SURAMPALAM - 533 437



ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC

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/2022-23/SOP

Date: 19-07-2022

Research and Development committee

Standard Operating Procedure 2022-23

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

Faculties 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:

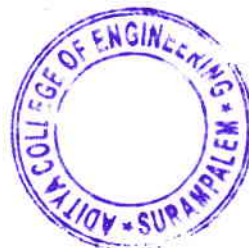
International Journal with IF > 8.1 or H-Index > 226	- Rs. 30,000/-
International Journal with $5.1 < IF < 8$ or $H\text{-Index } 151 < HI < 225$	- Rs. 25,000/-
International Journal with $2.1 < IF < 5$ or $H\text{-Index } 101 < HI < 150$	- Rs. 20,000/-
International Journal with $0.6 < IF < 2$ or $H\text{-Index } 51 < HI < 100$	- Rs. 15,000/-
International Journal with $IF < 0.5$ or $H\text{-Index } HI < 50$	- Rs. 10,000/-
International Journal (Scopus Indexed/ESCI)	- Rs. 10,000/-
International Journal (Scopus Indexed /WoS Indexed)	- Rs. 7,500/-
Scopus Indexed International Conference Registration (Max) [Max. Of 2 Conference per year per faculty]	- Rs. 7,500/-
Book Chapter indexed in Scopus [Not Through Conference, only direct Submission will be Considered]	- Rs. 7,500/-
National Conference Registration fees (Max)	- Rs. 4,000/-
UGC Indexed Journal (Only for English and Management Studies)	- Rs. 2,000/-
Publishing of Text Books: (International Edition by top 60 Publishers in the World)	- Rs. 20,000/-
Publishing of Text Books: (Indian Edition-book should meet the criteria mentioned in guidelines)	- Rs. 10,000/-
Publishing of Book Chapter in Non Scopus Editions	Pro Rata Basis
Publishing an article in a Journal / Magazine	- Rs. 2,000/-
PATENT: Publishing of Patent/Grant of Patent	- Rs. 10,000/-
FUNDED PROJECTS/GRANTS:	
Award of Grant for Conf/Workshop/Seminar	5% of the Grant
Funded Research Project where equipments is not involved	10% of the Grant
Funded Project where equipments is involved	15% of the Grant
MODROBS (Amount > 5 Lakhs)	- Rs. 25,000/-
MODROBS (Amount < 5 Lakhs)	- Rs. 20,000/-

- 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.

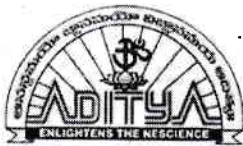
FUNCTIONS

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.


CO-ORDINATOR - R&D




PRINCIPAL



ADITYA COLLEGE OF ENGINEERING

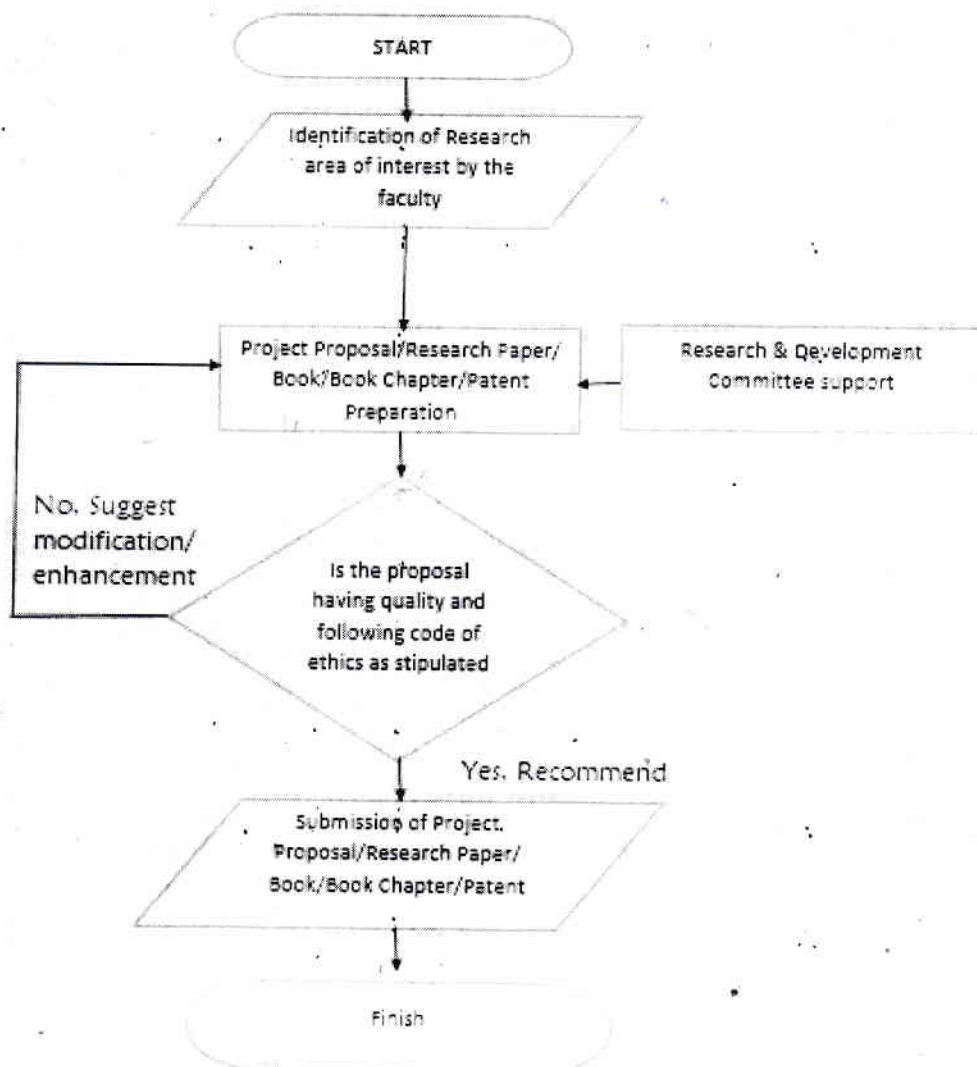
Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under section 2(f) of UGC Act 1956

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

Date: 19-07-2022

Research and Development cell

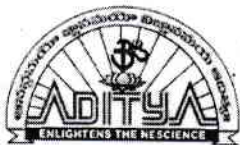
Flow Chart



[Signature]
Co-ordinator - R&D



[Signature]
PRINCIPAL
Aditya College of Engineering
SURAMPALAM - 533 437



ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
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/2022-23/01/CIRCULAR

Date: 22.07.2022

CIRCULAR

This is to inform that R&D committee meeting is scheduled on 25.07.2022 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 2021-22.
3. To review the research work status of faculty during the academic year 2021-22 who are pursuing their Ph.D.
4. To review publications during the academic year 2021-2022 of 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 2022-23.
6. To enhance the number of papers to be published for the academic year 2022-23.
7. 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


PRINCIPAL
PRINCIPAL
Aditya College of Engineering,
SURAMPALAM - 533 437



ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
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/2022-23/01/Minutes

25-07-2022

MINUTES OF RESEARCH & DEVELOPMENT (R&D) COMMITTEE ACADEMIC YEAR 2022-23

Date of meeting	25 th July 2022	Duration	10.00AM to 11.30AM NOON
Venue	Conference room, First floor, Ramanujan Bhavan		
Reference	ACOE/R&D/2022-23/01/CIRCULAR Dated 22.07.2022		

The R&D meeting of Aditya College of Engineering held on 25th July 2022 with the following agenda:

1. To discuss and prepare SOP.
2. To review the publications made by the faculty during the academic year 2021-22.
3. To review the research work status of faculty during the academic year 2021-22 who are pursuing their Ph.D.
4. To review publications during the academic year 2021-22 of 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 2022-23.
6. To enhance the number of papers to be published for the academic year 2022-23.
7. Any other point with the permission of the chair.


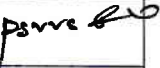



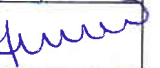


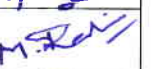

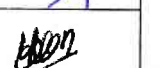
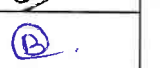
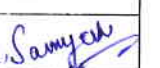

The meeting of R&D Committee commenced with a welcome note by, Dr. A.Ramesh, Chairman, and R&D Committee. The Coordinator, R&D Committee has extended his cordial welcome to all the members and readout the notes on agenda for discussion.

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. 62 research papers were published in International/National Journals for the academic year 2021-22.
3. 30 research papers were presented in International/National conferences during the academic year 2021-22.
4. 16 Patents were filed and Published during the academic year 2021-22
5. 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.
6. The publications of 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.
7. Research Incentive policy for R&D was revised.
8. Faculty should attend minimum one FDP per semester.
9. At least one workshop is to be conducted by every department.
10. Committee advised the faculty to publish at least one SCI indexed and two Scopus indexed journal papers in a year.
11. Faculty members were also advised to use college mail ids for communicating journal and conference papers.
12. Committee has encouraged the faculty members for getting more number of sponsored projects.
13. Convener –IIIC proposed to plan for Industrial collaboration to enhance industrial oriented research.
14. The Coordinator Dr. Pullela, SVVSR Kumar conveyed thanks to all the members of R & D committee for attending the meeting and for giving their valuable suggestions to strengthen the research activities in the institution.

Members attended the meeting on 25th July 2022

S.No	Name	Designation	Roll	Signature
1	Dr.A.Ramesh	Principal	Chairman	
2	Dr. Pullela SVVSR Kumar	Dean – A&A	Coordinator	
3	Dr. T.Anil Kumar	HOD - PT	Member	
4	Dr. G S N Murthy	HOD - CSE	Member	
5	Dr. G.Rama Krishna	HOD - ECE	Member	
6	Dr.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 Marxim Rahula Bharathi B	Associate Professor – ME	Member	
12	Dr.G.Balaji Prakash	Assistant Professor - H&S	Member	
13	Konujula Samyuktha	IV Year, B.Tech-ECE	Student Member	
14	Kambham Akhil	IV Year, B.Tech-CSE	Student Member	


CO-ORDINATOR




PRINCIPAL
Aditya College of Engineering
SURAMPALAM - 533 437