

3.4.1

3.4.1(1)

Inclusion of Research ethics in the research methodology course work

R24 MBA
COURSE STRUCTURE

I Year I Semester

S.No	Course Code	Courses	M	L	T	P	C
1	R24MBA101	Management and Organizational Behavior	100	4	0	0	4
2	R24MBA102	Managerial Economics	100	4	0	0	4
3	R24MBA103	Accounting for Management	100	4	0	0	4
4	R24MBA104	Quantitative Analysis for Business Decisions	100	4	0	0	4
5	R24MBA105	Entrepreneurship Development	100	4	0	0	4
6	R24MBA106	Business Environment	100	4	0	0	4
7	R24MBA107 R24MBA108 R24MBA109 R24MBA110	A. Information Technology for Business B. Rural Development C. Intellectual Property Rights & Patents D. MOOCs : SWAYAM/NPTEL- (Related to Management Courses other than listed courses in the syllabus)	100	3	0	0	3
8	R24MBA1L1	PACE-UP (Personality Assessment Centre, Enhancement and Upgradation Processes) Programme	50	0	0	4	2
9	R24MBA1L2	Tally Lab	50	0	0	4	2
10	R24MBA1EP	Entrepreneur Project -I Identifying the area of interest, interacting with successful business and submission of ground report.	50	0	0	4	2
Total			850	27	0	12	33





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I Year II Semester

S.No	Course Code	Courses	M	L	T	P	C
1	R24MBA201	Financial Management	100	4	0	0	4
2	R24MBA202	Human Resource Management	100	4	0	0	4
3	R24MBA203	Operations Management	100	4	0	0	4
4	R24MBA204	Marketing Management	100	4	0	0	4
5	R24MBA205	Research Methods for Business Decisions	100	4	0	0	4
	R24MBA206	Business Analytics	100	4	0	0	4
6	R24MBA207 R24MBA208 R24MBA209 R24MBA210	A. Cross Cultural management B. Project Management C. Lean Management D. Database Management System	100	3	0	0	3
7	R24MBA2L1	R-Programming Lab	50	0	0	4	2
8	R24MBA2L2	IT Lab (Spread sheets and SQL)	50	0	0	4	2
9	R24MBA2EP	Entrepreneur Project –II Study on different loan approaches of State and Central Govt. Prepare the Business Development plan.	50	0	0	4	2
Total			850	27	0	12	33

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I Year II Semester

I MBA II SEMESTER	L	T	P	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	CREDITS
R24MBA205	4	0	0	30	70	100	4
RESEARCH METHODS FOR BUSINESS DECISIONS							

COURSE OBJECTIVE:

- To develop understanding of the basic framework of research process. Developing the students in Research orientation and to acquaint them with fundamental of research methods To identify various sources of information for literature review and data collection
- To understand the data analysis and presentation
- To understand various statistical tools and their applicability in research. To enable them to write a research report and thesis.

COURSE OUTCOMES:

- CO1:** Understand advanced design, methodologies and analysis in business research methods, including key terms, classifications and systematic applications to the research data and design of a research project [K2]
- CO2:** Apply knowledge in collecting data from various sources. [K3]
- CO3:** Demonstrate knowledge in data analysis and interpretation. [K3]
- CO4:** Applying appropriate statistical techniques in the analysis of data [K3]
- CO5:** Demonstrate the abilities in preparing research reports. [K3]

UNIT- I

Introduction: Nature and Importance of Research, the role of Business Research, aims of social research, Types of Research- Pure research vs. Applied research, Qualitative research vs. Quantitative research, Exploratory research, Descriptive research and Experimental research, ethical issues in business Research- Defining Research Problem, Steps in Research process.

UNIT- II

Data Base: Discussion on primary data and secondary data, tools and techniques of collecting data. Methods of collecting data. Sampling design and sampling procedures. Random vs. Non-random sampling techniques, determination of sample size and an appropriate sampling design. Designing of Questionnaire – Measurement and Scaling – Nominal Scale – Ordinal Scale – Interval Scale – Ratio Scale – Guttman Scale – Likert Scale – Schematic Differential Scale.

UNIT- III

Survey Research and data analysis: Selection of an appropriate survey research design, the nature of field work and Field work management. Media used to communicate with Respondents, Personal Interviews,



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Telephone interviews, Self-administered Questionnaires-
Editing – Coding – Classification of Data – Tables and Graphic Presentation –Preparation and Presentation
of Research Report.

UNIT- IV

Statistical Inference: Formulation of Hypothesis –Tests of Hypothesis - Introduction to Null hypothesis vs. alternative hypothesis, parametric vs. non-parametric tests, procedure for testing of hypothesis, tests of significance for small samples, application, t-test, Chi Square test.

UNIT- V

Multivariate Analysis: Nature of multivariate analysis, classifying multivariate techniques, analysis of dependence, analysis of interdependence. Bi-Variate analysis-tests of differences-t test for comparing two means and z-test for comparing two proportions and ANOVA for complex experimental designs.

Relevant cases have to be discussed in each unit and in examination case is compulsory from any unit.

References

- 1.C.R. Kothari: Research Methodology, methods and Techniques New Age International Publisher.
- 2.Navdeep and Gupta : “Statistical Techniques & Research Methodology”, Kalyani Publishers
- 3.Willam G.Zikmund, Adhkari: “*Business Research Methods*”, Cengage Learning, New Delhi,2013.
- 4.A.N. Sadhu, Amarjit singh, Research methodology in social sciences, 7th Edition Himalaya Publications.




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R19 MBA
COURSE STRUCTURE

IMBA- I SEMESTER

S.No	Course Code	Subject	L	T	P	Internal Marks	External Marks	Total Marks	Credits
1	19MBA1TH01	Management Theory & Organizational Behaviour	4	0	-	40	60	100	4
2	19MBA1TH02	Economics for Managers	4	0	-	40	60	100	4
3	19MBA1TH03	Accounting for Managers	4	0	-	40	60	100	4
4	19MBA1TH04	Managerial Communication & Soft Skills	4	0	-	40	60	100	4
5	19MBA1TH05	Business Environment	4	0	-	40	60	100	4
6	19MBA1TH06	Quantitative Analysis for Business Decisions	4	0	-	40	60	100	4
7	19MBA1LB01	IT for Managers-I	-	-	4	40	60	100	2
TOTAL			24	0	4	280	420	700	26

IMBA- II SEMESTER

S.No	Course Code	Subject	L	T	P	Internal Marks	External Marks	Total Marks	Credits
1	19MBA2TH01	Financial Management	4	0	-	40	60	100	4
2	19MBA2TH02	Human Resource Management	4	0	-	40	60	100	4
3	19MBA2TH03	Marketing Management	4	0	-	40	60	100	4
4	19MBA2TH04	Production and Operations Management	4	0	-	40	60	100	4
5	19MBA2TH05	Business Research Methodology	4	0	-	40	60	100	4
6	19MBA2TH06	Business Laws	4	0	-	40	60	100	4
7	19MBA2LB01	IT for Managers-II	-	-	4	40	60	100	2
8	19MBA2MP01	Mini Project	-	-	-	100	-	100	2
TOTAL			24	0	4	380	420	850	28

I MBA-II-SEMESTER	L	T	P	INTERNA L MARKS	EXTERNA L MARKS	TOTA L MARK S	CREDITS
Code: 19MBA2TH05	4	0	0	40	60	100	4
BUSINESS RESEARCH METHODOLOGY							

COURSE OUTCOMES: The student is able to

- CO1: Adapt the fundamentals of Business research methodology. [K6]
- CO2: Identify research problem. [K3]
- CO3: Apply sample and census survey and measuring techniques. [K3]
- CO4: Design data collection techniques. [K6]
- CO5: Develop data processing procedures and apply tools. [K6]
- CO6: Draft thesis/report writing. [K2]

SYLLABUS:

UNIT-I: INTRODUCTION TO RESEARCH

Introduction, Meaning, Definition, purpose, motivation in research, types of research, Research process, Technique involved in Defining research problem, Important concepts relating to research design.

UNIT-II: SAMPLING DESIGN

Meaning and Definition of sample, Steps in sample design, Types of sample design (Probabilistic and Non-probabilistic sampling), errors in sampling, advantages and limitations of sampling.

UNIT-III: DATA COLLECTION-METHODS

collection of primary data, observation method, Interview method, collection of data through Questionnaire and schedules- Collection of secondary data- selection of appropriate method for Data collection-Guidelines for developing Questionnaire, successful interviews.

UNIT-IV: MEASUREMENT AND SCALING TECHNIQUES

Measurement in research, scales, Techniques of developing measurement tools, scale classification, Likert's scale, semantic scale, Thurston Scale, Interval Scale and multi-dimensional scaling.

UNIT-V: PROCESSING AND ANALYSIS OF DATA

Editing, Coding, classification, Tabulation of data; and data validation- methods of data presentation- types of data analysis: Quantitative and Qualitative – Statistics in Research; Descriptive and inferential Statistics-Descriptive statistics: measures in central tendency, Dispersion, Asymmetry, and Cross-tabulations, Limited problems on testing of hypotheses like parametric and non-parametric t-test, z-test, Anova.


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UNIT-VI: RESEARCH REPORT WRITING

Meaning of report, Types, Steps, Format of research report, Criteria of good research report, Pre-writing considerations-Final presentations of the Research Report-Idea of referencing, Bibliography, Footnotes and end notes, formats of publications in Research journals.

TEXT BOOKS:

1. Business Research Methods, William G. Zikmund; Cengage publications, 2006.
2. Research methodology Methods & Techniques, C.R. Kothari; 2/e, New Age international, 2004.
3. N.D.Vohra: —*Quantitative Techniques in Management*l. Tata- McGraw Hill Private Limited, New Delhi, 2011.
4. D P Apte: —*Operation Research and Quantitative Techniques*l, 12. Excel Publication, New Delhi, 2013.

REFERENCE BOOKS:

1. Business Research Methodology, J.K. Sachdeva; Himalaya, 2009.
2. An introduction to statistical Methods, C.B.Gupta & Vijay Gupta; Vikas, 2009.
3. Anand Sharma: —*Quantitative Techniques for Business decision 10. Making*l. Himalaya Publishers, New Delhi, 2012.
4. Donald R Cooper and Pamela S Schindler, *Research Methods*, 9th edition, Tata McGraw Hill Publishing Company Limited, New Delhi, 2009.



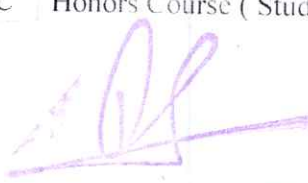
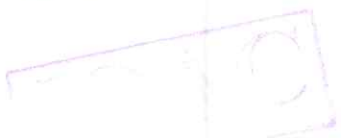
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R23 B.Tech

Course structure

B.Tech. III Year II Semester

S.No.	Category	Title	L	T	P	C
1	Professional Core	VLSI Design	3	0	0	3
2	Professional Core	Microprocessors & Microcontrollers	3	0	0	3
3	Professional Core	Digital Signal Processing	3	0	0	3
4	Professional Elective-II	1. Analog IC Design 2. Satellite Communication 3. Smart and Wireless Instrumentation 4. Machine Learning	3	0	0	3
5	Professional Elective-III	1. Bio Medical Instrumentation 2. Microwave Engineering 3. Embedded Systems 4. Artificial Intelligence	3	0	0	3
6	Open Elective - II		3	0	0	3
7	Professional Core	VLSI Design Lab	0	0	3	1.5
8	Professional Core	Microprocessors & Microcontrollers Lab	0	0	3	1.5
9	Skill Enhancement course	Machine Learning Lab	0	1	2	2
10	Audit Course	Research methodology and IPR	2	0	0	-
Total			20	1	08	23
Mandatory Industry Internship of 08 weeks duration during summer vacation						
MC	Student may select from the same minors pool		3	0	3	4.5
MC	Minor Course (Student may select from the same specialized minors pool)		3	0	0	3
HC	Student may select from the same honors pool		3	0	0	3
HC	Honors Course (Student may select from the honors pool)		3	0	0	3


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III B. TECH II SEMESTER	L	T	P	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	TOTAL CREDITS
	2	0	0	30	70	100	0
SUB CODE:	RESEARCH METHODOLOGY AND IPR						

Course Outcomes:

- Understand research problem formulation.
- Analyze research related information, Follow research ethics
- Understand that today's world is controlled by Computer, Information Technology, but tomorrow world will be ruled by ideas, concept, and creativity.
- Understanding that when IPR would take such important place in growth of individuals & nation, it is needless to emphasis the need of information about Intellectual Property Right to be promoted among students in general & engineering in particular.
- Understand that IPR protection provides an incentive to inventors for further research work and investment in R & D, which leads to creation of new and better products, and in turn brings about, economic growth and social benefits.

Unit 1 :

Meaning of research problem, Sources of research problem. Criteria Characteristics of a good research problem, Errors in selecting a research problem. Scope and objectives of research problem. Approaches of investigation of solutions for research problem, data collection, analysis, interpretation, Necessary instrumentations

Unit 2:

Effective literature studies approaches, analysis Plagiarism, Research ethics, Effective technical writing, how to write report, Paper Developing a Research Proposal, Format of research proposal, a presentation and assessment by a review committee

Unit 3:

Nature of Intellectual Property: Patents, Designs, Trademarks and Copyright. Process of Patenting and Development: technological research, innovation, patenting, development. International Scenario: International cooperation on Intellectual Property. Procedure for grants of patents, Patenting under PCT

Unit 4:

Patent Rights: Scope of Patent Rights, Licensing and transfer of technology, Patent information and databases, Geographical Indications.

Unit 5:

New Developments in IPR: Administration of Patent System. New developments in IPR; IPR of Biological Systems, Computer Software etc, Traditional knowledge Case Studies, IPR and ITs

TEXT BOOKS

1. Stuart Melville and Wayne Goddard. "Research methodology: an introduction for science & engineering students".
2. Wayne Goddard and Stuart Melville. "Research Methodology: An Introduction"

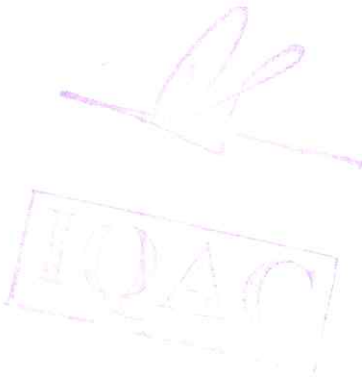
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3.4.1(2)
Ethics committee

ETHICS POLICY

1. Students should treat institute teachers, administrators, offices, employees, guests, visitors and other students with respect, dignity, impartiality, courtesy and sensitivity.
2. Individually or as a team students should complete the assigned tasks with honesty and punctuality.
3. All the students shall take the responsibility of maintaining regularity to the college.
4. Students trying to get undue advantage in the performance or trying to help another, or derive the same through unfair means during examination is punishable.
5. Students are prohibited from stealing, misusing, destroying, defacing or damaging college property or personal property of others.
6. Our institute students are strictly prohibited in indulging of any activities related to grave ramifications and posting derogatory comments about individuals of the institute on the social media.
7. Possession, consumption or distribution of alcoholic drinks or any kind of narcotics or hallucinogenic drugs is prohibited.
8. All the students who secure admission should follow the prescribed dress code during all the four years of their study, barring in exempted days / occasions.
9. Audio or video recording in class rooms or actions of other students, faculty, or staff shall not be done without prior permission.
10. Faculty should maintain high standards of integrity and accountability inside and outside the classroom and should set a good example to others.
11. All the faculty should be regular and strive to preserve academic honour.



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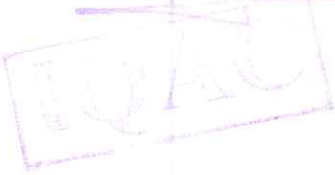


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ETHICS COMMITTEE MEMBERS

All the faculty members are hereby informed that the ethics committee is constituted with the following members

S. No	Name of the staff member	Designation	Dept.	Designation in the committee
1	Dr. S. Venkateswarlu	Principal	ECE	President
2	Dr. K.P. Lakshmi	Professor & HOD	BS&H	convenor
3	Dr. D. Suneel	Professor & Vice Principal	ME	Member
4	Dr. SK. Shareef	Professor & HOD	EEE	Member
5	Dr. B Venkata Siva	Professor & HOD	ME	Member
6	Dr. V. Venkata Rao	Professor & HOD	ECE	Member
7	Dr. S N Tirumala Rao	Professor & HOD	CSE	Member
8	Dr. S V N Sreenivasu	Professor	CSE	Member
9	Dr. P. Pattabhiram	Professor & HOD	MBA	Member
10	Dr. P.Naga Sowjanya	Assoc.Professor & HOD	CE	Member
11	Dr.B.Jhansi Vazram	Professor & HOD	CSE	Member
12	Dr. G.Dharmaiah	Professor	BS&H	Member
13	Dr. K.Raju	Professor	ECE	Member






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OBJECTIVES OF THE COMMITTEE

1. To provide guidance to the faculty members for²proposing code of ethics for the institution.
2. To motivate the faculty members to organise ways of communicating code of ethics.
3. To enhance understanding code of ethics among students.
4. To take necessary steps so that implementation of code of ethics report should be submitted regularly to the concerned authority with in the stipulated time.
5. To motivate the faculty members to indulge morals and ethics to the students.
6. To maintain a record of violation of code of ethics.
7. To act as a investigative body for any disputed matter concerning research ethics and conduct.




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NEC/EC/2024-2025/spl

DATE:27/11/2024

CIRCULAR

The Ethics committee special meeting is scheduled to be held on 30/11/2024 in the principal chamber at 11.00 AM. All the members of ethics committee are request to attend the meeting.

Agenda: Implementation of Code of Ethics

To: All the members of ethics committee

Copy to: 1. NEC office
2. EC cell

EC Chairman & PRINCIPAL

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NARASARAOPET - 522601, Palnadu (Dist), A.P.

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NARASARAOPETA ENGINEERING COLLEGE

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21st GOVERNING BODY MEETING 30-11-2024

AGENDA:

1. To confirm the minutes of the last meeting of the Governing Body held on 30.03.2024.
2. To report the action taken on the minutes of the last meeting of Governing Body.
3. To receive a report on academic and other important activities and events in the college since the last meeting of the Governing Body.
4. To consider the recommendation of staff selection committee meetings for ratification of faculty during the academic year and future plan for next level of ratification.
5. To report about the important communications, policy decisions received from Government, AICTE, etc.
6. Information of CAC & BoS meetings for R20 & R23 Regulations.
7. To report about the faculty, designation, date of joining the Institution, experience in teaching and industry, qualification, permanent or temporary, salary, scale of pay, EPF, etc.
8. Details of the sanctioned strength, admitted candidates for the year 2024-25.
9. Review of Expenditure for the year 2024-25
10. Staff appointments made since the last meeting of the Governing Body.
11. Staff who left the institution since the last meeting of the Governing Body.
12. Court case(s) if any with the Government, AICTE, etc.
13. To report about the audited statements of accounts of the institution.
14. Details of latest State of the art equipment procured.
15. Proposals for introduction of new courses, variation in intake in the existing courses of the institution.
16. Status of implementation/sanction of projects, if any, sanctioned by AICTE like MODROBS. DST, UGC, etc. including projects sanctioned by other ministries and private organizations.
17. Analysis and statistical evaluation of the result of the previous semester and rectification measures to improve the performance.
18. Details of deficiencies pointed out by the university/AICTE and compliance reports submitted to the university.
19. Details of the placement track record of the outgoing students and effort to improve in current semester.
20. Details of the Grievance, Redressal, Anti ragging cases, and information about the action taken by the college administration to prevent in future.
21. Preparation for the NBA/NAAC accreditations & Autonomous.
22. Any other item with the permission of the Chairman.

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NARASARAOPETA ENGINEERING COLLEGE (AUTONOMOUS)

NEC/EC/2024-2025/spl

DATE:27/03/2025

CIRCULAR

The Ethics committee special meeting is scheduled to be held on 29/03/2025 in the principal chamber at 11.00 AM. All the members of ethics committee are request to attend the meeting.

Agenda: Implementation of Code of Ethics

To: All the members of ethics committee

- Copy to: 1. NEC office
2. EC cell

EC Chairman & PRINCIPAL

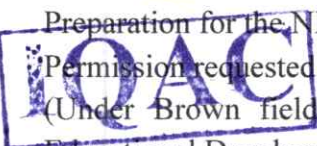
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22nd GOVERNING BODY MEETING 29-03-2025

AGENDA:

1. To confirm the minutes of the last meeting of the Governing Body.
2. To report the action taken on the minutes of the last meeting of Governing Body.
3. To receive a report on academic and other important activities and events in the college since the last meeting of the Governing Body.
4. To consider the recommendation of staff selection committee meetings for ratification of faculty during the academic year and future plan for next level of ratification.
5. To report about the important communications, policy decisions received from Government, AICTE, etc.
6. Information of CAC & BoS meetings for R20 & R23 Regulations.
7. To report about the faculty, designation, date of joining the Institution, experience in teaching and industry, qualification, permanent or temporary, salary, scale of pay, EPF, etc.
8. Details of the sanctioned strength, admitted candidates for the year 2024-25.
9. Approval of Budget for the year 2025-26 and review of expenditure for the year 2024-2025.
10. Staff appointments made since the last meeting of the Governing Body.
11. Staff who left the institution since the last meeting of the Governing Body.
12. Court case if any with the Government, AICTE, etc.
13. To report about the audited statements of accounts of the institution.
14. Details of latest State of the art equipment procured.
15. Proposals for introduction of new courses variation in intake in the existing courses of the institution.
16. Status of implementation/sanctioned of projects if any sanctioned by AICTE like MODROBS, DST, UGC, etc. including projects sanctioned by other ministries.
17. Analysis and statistical evaluation of the result of the previous semester and rectification measures to improve the performance.
18. Details of deficiencies pointed out by the university/AICTE and compliance reports submitted to the university
19. Details of the placement track record of the outgoing students and effort to improve in current semester
20. Details of the Grievance, Redressal, Anti ragging cases and information about the action taken by the college administration to prevent in future
21. Preparation for the NBA/NAAC accreditations & Autonomous.
22.  Permission requested for processing of application of MITTAPALLI UNIVERSITY (Under Brown field, AP Private University Act 2016) sponsored by Gayatri Educational Development Society.
23. Any other item with the permission of the Chairman.

3.4.1(3)

**PLAGIARISM CHECK THROUGH
SOFTWARE**

AVAILABILITY OF SOFTWARES FOR PLAGIARISM CHECK

The Institution implemented a policy of anti-plagiarism during 2015-2016 so the academic publications such as research articles, project reports, seminar reports and Thesis produced by the faculty and students of UG, PO. At present institution prescribed zero percent plagiarism to the research articles such as Journals, Conference papers and also Project thesis prescribed the strict adherence of plagiarism limit.

Institution enrolled subscription of Anti plagiarism software's TURNITIN, DUPLICHECKER and PAPERRATER which are five software's and any one can access the portal and can check the content at free of cost.

TURNITIN:

Turnitin is a widely used plagiarism detection software that checks academic work for originality. It compares submitted documents to a vast database of content, including academic papers, articles, and other publicly available texts, to identify potential instances of plagiarism or improper citation.

DUPLICHECKER:

Dupli checker is one of the most well-known and pretty popular free online plagiarism checker and plagiarism removal websites that goes through billions of websites on the internet and provides you with any necessary improvements within a few seconds. Unlike other online Duplicate Content checkers on the internet. Dupli checker is entirely free for checking content errors, duplicheck, parse check, and more. although it does have some premium features that are as good as the free subscription edition. Deep Search, Flexible Plam, Free-To-Use Tool, Accurate Reports are features and benefits of Duplichecker.

PAPERRATER:

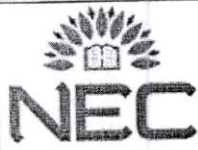
Paper Rater is an online proofreading software designed to help businesses leverage artificial intelligence (AI) technology to identify grammatical mistakes, detect plagiarism, and automatically score essays. Teachers can upload files in multiple formats including DOC, ODT, TXT, RTF, and DOCX to the platform and use the vocabulary builder to learn new words and their meanings in different contexts.

Paper Rater uses machine learning (MI) and natural language processing (NLP) capabilities, which let writers gain insights into the syntax or structure of their text, receive feedback about errors, and enhance readability across papers, memos, letters, and more. The plagiarism checker compares the submitted files to multiple documents, books, journals, research papers, articles, and other sources across the web, ensuring originality of the content. The software also allows educators to receive students assignments via email and view a summary of all submissions in a tabular form

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3.4.1 (4)
**policy for Research advisory committee &
R&D Committee**



NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

Approved By AICTE, New Delhi, accredited by NAAC with 'A+' Grade & Accredited by
NBA(Tier-1) of CSE, ECE, ME Programs, NIRF in 201-300 Band
Kotappakonda Road, Narasaraopet, Palanadu Dist, AP, India

R&D Policy (2024-25)

To streamline the research activities and to increase the productivity in terms of project publication and to improve quality of training programs dedicated Departmental Research Committee. This facility to process/solve day to day research issues at the departmental level.

The composition of DRC (Departmental Research Committee) is as follows.

1. HoD of the concerned department
2. One professor and One associate professor
3. One expert from industry

The institute follows unique incentive scheme to reward the faculty for the research and consultancy works carried out in the respective academic year. This scheme is introduced by the institute to impact research culture and to motivate faculty towards identifying innovations.

Guidelines for faculty incentives and targets

1. All claims for incentives of research paper publications must be submitted along with 2 Hard copies of the published paper and the indexing proof and review comments
2. Any publication with more than 4 authors is not eligible for incentives
3. if the first Author is from NEC then the author will be entitled for full cash incentive
4. if the second author is from NEC then the other will be eligible for only 50% of cash incentive
5. if both first and second authors belong to the NEC, the incentive amount will be shared to equally among them
6. B.Tech students project guides are responsible to publish the project paper and also to claim the publication registration fee upto Rs10,000/- (if paper publish in Scopus index journal/conference)
7. Project guides or faculty are not eligible for publication incentives of B.Tech and M.Tech Project papers (Can we make faculty eligible if students wont

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claim the fee?)

8. Incentives for any publications in books/book chapters etc will be reviewed by the R&D cell committee
9. Those who got sponsored/ consultancy projects worth off more than Rs.25.00 Lakhs may send a request letter for partial relief in departmental workload to the Dean R&D through HOD. The Head R&D will examine such a request case by case and send his recommendations to the principle for necessary approval

1. JOURNAL PUBLICATIONS

Incentives – Referred in Annexure -A

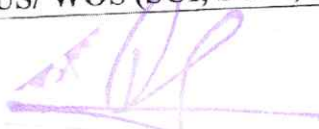

Journal publications

- ❖ Research paper author's affiliation belongs to the college i.e Narasaraopeta Engineering College will be eligible for incentive
- ❖ Author should mention the name of the college clearly as Narasaraopeta Engineering College instead of NEC otherwise the incentive amount will not be claimed
- ❖ Faculty can claim Incentives after publication includes in SCOPUS/ WOS (SCI, SCIE and SSCI),

TARGETS - JOURNAL PUBLICATION

- Doctorate Faculty encouraged to Publish 2 Articles as 1st Author and 3 Articles as (2 or 3 or 4 author)
- PG Faculty encourage to Publish 1 Article as 1st author and 2 Articles as (2 or 3 or 4 author) per year based on designation as per below listed indexing categories

Designation / Paper indexing in	Professor/Associate Professor (Doctoral Faculty)	Assistant Professor
SCOPUS/ WOS (SCI, SCIE, SSCI, etc.)	2	1


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2. Conference Paper Publication

INCENTIVES – CONFERENCE PAPERS

- ❖ Faculty can claim DA for Presenting paper in IEEE/Springer/Elsevier/IOP Conference Series/ASME/ASCE conferences in India.
- ❖ Faculty can claim a maximum of Rs 50,000/- (inclusive of Registration Fee, TA, DA) for international conferences outside India.

TARGETS – CONFERENCE PAPERS

Each faculty must present at least one conference paper per academic year, in International or National conference such as IEEE/ Springer/ Elsevier/ IOP Conference Series/ ASME/ ASCE conferences.

3. RESEARCH PROJECTS

INCENTIVES -RESEARCH PROJECTS

If the research project is sanctioned, then 7% of the funding is given to the PI and 3% is shared among the CO-PIs.

TARGETS – RESEARCH PROJECTS

Faculty should submit research proposal per academic year, based on qualification as per below listed funding categories.

Designation	Ph.D Faculty	Ph.D Registered Faculty
Projects above 30 Lakhs	At least 1 proposal submissions	
Projects above 5 lakhs upto 30 Lakhs	At least 2 proposal submissions	At least 1 Proposal submissions

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RESEARCH FUNDING AGENCIES

Faculty are encouraged to apply and submit research proposals to the below listed funding agencies. All required support and guidance will be provided by the R&D Cell.

Agency	Website
Department of Science and Technology (DST)	https://www.dst.govt.in/
Department of Biotechnology (DBT)	https://www.dbtindia.nic.in/
UGC Faculty Research Promotion Scheme (UGC-FRPS)	https://ugcfrps.ac.in/uohyd/
Science and Engineering Research Board (SERB)	https://www.serb.gov.in/home.php
Board of Research and Nuclear Science (BRNS)	https://www.barc.gov.in/brns/index.html
Council of Scientific and Industrial Research (CSIR)	https://csir.res.in/
Department of Atomic Energy (DAE)	http://dae.nic.in/
Indian Council of Space Research	http://www.isro.gov.in/
Indian Space Research Organization	http://www.isro.gov.in/
Ministry of Defense	http://www.mod.nic.in/
Ministry of Power	http://powermin.nic.in/
Ministry of Micro, Small and Medium Enterprises	http://msme.gov.in/mob/home.aspx
Naval Research Board (NRB)	http://www.nrbdrdo.res.in/
Indian Council of Social Science Research (ICSSR)	http://icssr.org/
All India Council for Technical Education (AICTE)	http://www.aicte-india.org



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4. PATENTS

INCENTIVES -PATENTS:

Applicant has Narasaraopeta Engineering College and Inventor names are our college faculty

Targets -patents

- ❖ Each department advised to publish patents per academic year, as per the below table.
- ❖ Dept should achieve the targets through their I&E Team
- ❖ The targets are defined based on the size of the department.

Dept.	CIVIL	EEE	ME	ECE	CSE	IT	CSE AI	CSE DS	CSE CS	CSE AIM L	MCA	MBA
INTAKE	60	60	60	360	720	120	180	60	60	120	180	180
INTERNATIONAL PATENTS PUBLISHED	2	2	2	6	10	4	4	2	2	2	3	3
NATIONAL PATENTS PUBLISHED	2	2	2	6	10	4	4	2	2	2	3	3
PATENTS GRANTED	2	2	2	6	10	4	4	2	2	2	3	3

- ❖ ACCEPTED LIST OF PATENT FILING ORGANIZATIONS
- ❖ IP AUSTRALIA (IPA)
- ❖ GERMAN PATENT OFFICE (DPMA)
- ❖ INDIAN PATENT OFFICE (IPO)
- ❖ JAPAN PATENT OFFICE (JPO)
- ❖ UNITED KINGDOM INTELLECTUAL PROPERTY OFFICE (UK-IPO)
- ❖ UNITED STATES PATENT AND TRADEMARK OFFICE (USPTO)



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5. CONFERENCES /SEMINARS/AWARDS

INCENTIVES

- Convener can claim Rs 5000/- for each activity organizing Workshops/ Seminars/ Conferences/ Training (Funded by Govt. or Private Agencies)
- Faculty who received any International or National Awards reconized by AICTE, JNTUK, State Govt. or Central Govt and IETE, will be honored with an amount of Rs 5,000/-

Targets (Dept. Level)

Each department Should organize Conferences/ Seminars/ Workshops/ Training Programs, funded by Govt. or Private Agencies, as per the table below.

Dept.	CIVIL	EEE	ME	ECE	CSE	IT	CSE AI	CSE DS	CSE CS	CSE AIML	MCA	MBA
INTAKE	60	60	60	360	720	120	180	60	60	120	180	180
No. of Programs	2	2	2	6	10	4	4	2	2	2	3	3

6. Consultancy Projects TARGETS

Each department can do consultancy grant worth of Rs 5.00 Lakhs in every year

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R&D Cell Members

S.No.	Name of the Member	Designation	Roll in the Cell
1	Dr S Venkateswarlu	Principal	President
2	Dr S.V.N. Sreenivasu	Dean R&D , Professor in CSE	Convener
3	Dr M. Venkanna Babu	Associate Professor in ME	Coordinator of ME
4	Dr. Sk. Nannu Saheb	Associate Professor	Coordinator of ECE
5	Dr V V A S. Lakshmi	Professor & Head	Coordinator of CSE(AIML),CSE(CS) CSE(DS)
6	Dr Sk. Md. Shareef	Associate Professor & Head	Coordinator of EEE
7	Dr P. Naga Sowjanya	Associate Professor & Head	Coordinator of CIVIL
8	Dr M.Aravind	Professor	Coordinator of MBA
9	Dr K.Lakshminadh	Professor & Head	Coordinator of MCA
10	Dr E.Ramakrishna	Associate Professor	Coordinator of CSE
11	Dr B.Jhansivazram	Professor & Head	Coordinator of AI & IT
12	Dr G.Dharmaiah	Associate Professor	Coordinator of BSH
13	Dr K.Neeraja	Associate Professor	Coordinator of BSH

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R&D Cell is constituted with the following faculty members.

S.No.	Name of the Member	Designation	Roll in the Cell
1	Dr S Venkateswarlu	Principal	President
2	Dr S.V.N. Sreenivasu	Dean R&D , Professor in CSE	Convener
3	Dr M. Venkanna Babu	Associate Professor in ME	Coordinator of ME
4	Dr. Sk. Nannu Saheb	Associate Professor	Coordinator of ECE
5	Dr V V A S. Lakshmi	Professor & Head	Coordinator of CSE(AIML),CSE(CS) CSE(DS)
6	Dr Sk. Md. Shareef	Associate Professor & Head	Coordinator of EEE
7	Dr P. Naga Sowjanya	Associate Professor & Head	Coordinator of CIVIL
8	Dr M.Aravind	Professor	Coordinator of MBA
9	Dr K.Lakshminadh	Professor & Head	Coordinator of MCA
10	Dr E.Ramakrishna	Associate Professor	Coordinator of CSE
11	Dr B.Jhansivazram	Professor & Head	Coordinator of AI & IT
12	Dr G.Dharmaiah	Associate Professor	Coordinator of BSH
13	Dr K.Neeraja	Associate Professor	Coordinator of BSH

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Roles & Responsibilities of R&D Cell

The R&D Cell shall be responsible for implementing the R&D policy by working closely with the Principal and HODs

The specific functions of The R&D Cell are as below

- Promote research culture in the Department.
- Develop and maintain a Departmental research publication strategy (in line with the institutional targets)
- Raise required research fund for providing seed money.
- Promote the development of national or international links and collaborations with academic institutes.
- Guide and assist in Patent filing process.
- Facilitates Inter-departmental/Interdisciplinary research projects
- Facilitating Industrial collaboration and visits
- Facilitating lectures by renowned people on latest topics
- Provide opportunities to carry out outreach programs and be a part of nation building.
- For all meeting minutes are prepared and circulated to all the faculty members with a copy to principal and Head R&D
- Monthly, Head R&D will review the progress of various research activities of the institute with various department HODs and research coordinators
- Motivate and Assist Students for state/National/International research projects and competitions.




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ANNEXURE- A

R& D Incentives w.e.f 01.06.2024

<u>Paper Publications: Engineering / Sciences</u>							
S.No	Category	Scopus		WOS		SCI	
		1 st Author	2 nd Author	1 st Author	2 nd Author	1 st Author	2 nd Author
1	Q1 Category	20000	15000	20000	15000	30000	20000
2	Q2 Category	15000	12000	15000	12000	25000	20000
3	Q3 Category	10000	8000	10000	8000	20000	10000
4	Q4 Category	5000	3000	5000	3000	8000	5000
5	Conference Paper	3500	3000	3000	2500	4000	3000
6	Paper Publications by External Collaborators with NEC Affiliation (FOR SCI - WOS papers ONLY)	For National Collaborators - IIT/ NIT/ R&D Institutes Faculty/scientist Only Q1: Rs. 15,000/- Q2: Rs. 10,000/- For International Collaborators: Q1: 150 USD Q2: 100USD					
7	Book publication – Author (Springer, Elsevier, IEEE, Wiley, PHI, Pearson, Taylor & Francis etc)	Rs 15000					
8	Book Chapter Publication- Author (Springer, Elsevier, IEEE, Wiley, PHI, Pearson, Taylor & Francis etc)	Rs 5000/-					

Note: Student Publication papers are not counted for faculty mandatory publication (if students avail the incentive from college)

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S.No.	Category	Criteria	Incentive
9	Sponsored Projects (Sciences, Engineering, Humanities & Management)	50% on receiving; 50% after completion and submission of UC.	5 % of the amount deposited in NEC
10	Sponsored Projects with societal relevance and Incubation centers projects	50% on receiving; 50% after completion and submission of UC.	1 % of the amount deposited in NEC
11	Sponsored Events	0.5-1 lakh	Rs . 3500
		1-5 lakhs	Rs . 7500
		> 5 lakhs	5%
12	Utility Patent	NEC as Applicant and all Innovators as NEC faculty	Published – Rs 10000/- Granted – Rs 20000
13	Research Awards	If Received from Public Organizations	Rs 5000/-
14	Honors/ Memberships	If Received from Government Organizations	Rs 5000/-
15	International Fellowships	Minimum 6 weeks stay	Rs 25000/-
16	Presentation of papers in international forums outside INDIA.	With NEC Affiliation	Rs 10000/- per conference
17	Consultancy Projects/ Research Consultancy	50% on receiving. 50% after completion and submission of UC.	60% to PI 40% to NEC of the grant left after operating costs
	Testing Consultancy		20% to PI 80% to NEC of the grant left after operating costs
18	Executive Training	50% on receiving. 50% after completion and submission of UC	10% of the amount deposited in NEC
19	Start Up Incentives	UG/PG students - Leading to Startup Faculty as Mentor / Partner	Rs 5000/-
		PhD student-Leading to Startup Faculty as Mentor/Partner	Rs 10,000/-
		Faculty Spin off company in Incubation center (ATBI) -NEC	Rs 15,000/-

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