
17 PARTNERSHIPS FOR THE GOALS


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POLICY FOR INSTITUTIONAL POLICY ON RESEARCH PUBLICATIONS AND DOCUMENTATION OF CONTRIBUTIONS

Policy Created On	07/01/2022	**Approved by**
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Responsible Units	RESEARCH AND DEVELOPMENT CELL	**REGISTRAR**
		Registrar

Chaitanya (Deemed to be University)
6-1[illegible], Himayathnagar Village, Moinabad (M)
[illegible] Reddy District, Hyderabad

Chaitanya (Deemed to be University) Himayathnagar(V) Moinabad (M) Rangareddy (D) Hyderabad

SDGs Directly Supported:

SDG17 – Partnerships for the Goals

SDGs Indirectly Supported:

SDG1 – No Poverty

SDG3 – Good Health and Well-being

SDG4 – Quality Education

SDG9 – Industry, Innovation, & Infrastructure

SDG10 – Reduced Inequalities

SDG11 – Sustainable Cities & Communities

INSTITUTIONAL POLICY ON RESEARCH PUBLICATIONS AND DOCUMENTATION OF CONTRIBUTIONS

1. INTRODUCTION

Chaitanya Deemed to be University recognizes research and scholarly publications as important instruments for knowledge creation, innovation and sustainable development. The University encourages faculty members, research scholars and students to undertake quality research and publish their findings in recognized journals, conference proceedings, books and other academic publications.

The University is committed to documenting and showcasing its research contributions towards the United Nations Sustainable Development Goals (SDGs). This policy establishes a common framework for identifying, collecting, verifying, classifying, and reporting all research publications of the University in relation to their respective SDGs.

2. OBJECTIVES

The objectives of this policy are:

1. To promote quality research and encourage scholarly publications among faculty members and research scholars.
2. To maintain a centralized institutional database of research publications.
3. To identify and map research publications to the relevant United Nations Sustainable Development Goals.
4. To encourage interdisciplinary and multidisciplinary research addressing societal and developmental challenges.
5. To recognize research contributions in areas such as education, health, environment, economic development, innovation and social inclusion.
6. To systematically collect and maintain evidence of published research articles.
7. To prepare and publish institutional SDG progress reports periodically.
8. To enhance the visibility and impact of university research at regional, national and international levels.

3. SCOPE OF THE POLICY

This policy applies to all faculty members, research scholars, and students of Chaitanya Deemed to be University.

The policy covers the following categories of academic publications:

- Research articles published in national and international journals.
- Peer-reviewed and refereed journal publications.
- Conference papers and proceedings.
- Research papers published in UGC-CARE-listed journals, where applicable to the publication period.
- Books and book chapters.
- Review articles and scholarly research papers.
- Interdisciplinary and collaborative research publications.
- Other recognized scholarly publications.

4. IDENTIFICATION AND MAPPING OF RESEARCH PUBLICATIONS TO SDGs

The University shall identify and classify research publications according to their subject matter, research objectives, findings, and contributions to the relevant Sustainable Development Goals.

The publications may be mapped to the following SDGs:

- **SDG 1:** No Poverty
- **SDG 2:** Zero Hunger
- **SDG 3:** Good Health and Well-being
- **SDG 4:** Quality Education
- **SDG 5:** Gender Equality
- **SDG 6:** Clean Water and Sanitation
- **SDG 7:** Affordable and Clean Energy
- **SDG 8:** Decent Work and Economic Growth
- **SDG 9:** Industry, Innovation and Infrastructure
- **SDG 10:** Reduced Inequalities
- **SDG 11:** Sustainable Cities and Communities
- **SDG 12:** Responsible Consumption and Production
- **SDG 13:** Climate Action
- **SDG 14:** Life Below Water

- **SDG 15:** Life on Land
- **SDG 16:** Peace, Justice and Strong Institutions
- **SDG 17:** Partnerships for the Goals

Each publication shall be mapped to the relevant SDG based on its actual research content and contribution.

5. DOCUMENTATION AND RECORD MAINTENANCE

The University shall maintain proper records of all research publications through a centralized publication database.

The following details shall be maintained:

1. Title of the research paper or publication.
2. Name of the author(s).
3. Department and institutional affiliation.
4. Name of the journal or publication.
5. Volume, issue and publication year.
6. ISSN/ISBN details.
7. DOI or publication link, wherever available.
8. Relevant Sustainable Development Goal.
9. Abstract and description of research contribution.
10. Copy of the published research paper as supporting evidence.

6. PUBLICATION OF SDG PROGRESS REPORTS

The University shall prepare and publish periodic reports highlighting its research contributions and institutional activities towards the Sustainable Development Goals.

The reports shall include:

- Details of research publications related to individual SDGs.
- Research contributions of faculty members and scholars.
- Description of research outcomes and their relevance to sustainable development.
- Supporting evidence in the form of published articles and journal details.
- Summary of institutional achievements and future research priorities.

The SDG progress reports shall be published through the official University website and other institutional communication platforms, wherever applicable.

7. ROLES AND RESPONSIBILITIES

The following institutional units shall be responsible for implementing this policy:

Office of the Vice-Chancellor

- Provide institutional leadership and guidance for research and SDG initiatives.

Office of the Registrar

- Provide administrative support and institutional coordination.

Internal Quality Assurance Cell (IQAC)

- Monitor research documentation and coordinate institutional SDG reporting.

Research and Development Cell

- Coordinate research publication activities and maintain publication records.

SDG Coordination Committee

- Identify and map research publications to the relevant SDGs.
- Compile and prepare SDG-related progress reports.

Heads of Academic Departments

- Collect publication details from faculty members and research scholars.
- Verify departmental research publication records.

Faculty Members and Research Scholars

- Submit details and copies of their published research work for institutional documentation.

Website and IT Team

- Support the publication and dissemination of institutional SDG reports through the official University website.

8. MONITORING AND EVALUATION

The University shall periodically monitor the implementation of this policy through:

1. Number of research publications produced by faculty members and research scholars.
2. Number of publications mapped to different Sustainable Development Goals.

3. Number of interdisciplinary and collaborative research publications.
4. Research contributions addressing regional and societal challenges.
5. Availability of publication records and supporting evidence.
6. Periodic preparation and publication of SDG progress reports.

9. TRANSPARENCY AND ACCESSIBILITY

The University shall ensure that research publication records and SDG-related progress reports are properly documented and made accessible to stakeholders through appropriate institutional platforms. Only verified publications and authentic supporting documents shall be included in institutional SDG reporting.

10. POLICY REVIEW

This policy shall be reviewed periodically by the IQAC and SDG Coordination Committee to ensure its effective implementation and alignment with the United Nations Sustainable Development Goals.

11. CONCLUSION

Chaitanya Deemed to be University is committed to strengthening its research culture and contributing to sustainable development through quality academic publications, interdisciplinary research and knowledge dissemination. This policy provides a common institutional framework for documenting, classifying, and publishing research contributions towards the Sustainable Development Goals and promoting transparency, accountability, and continuous academic development.

29 – 01 – 2024

REGISTRAR

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Ranga Reddy District, Hyderabad

Chaitanya (Deemed to be University)
Himayathnagar(V)
Moinabad (M)
Rangareddy (D)
Hyderabad

SDG 7: Affordable & Clean Energy

Clean energy research is actively pursued within the Faculty of Engineering:

- **Hybrid Renewable Grids:** Dr. Samala Nagaraju (Ph.D. in Engineering): Dissertation 'Grid Integration of Hybrid Renewable Energy System with FACTS Using Novel Control Technique' optimizes hybrid renewable grid management (Deccan Vision, May 14, 2025).
- **Solar PV Inverters:** Dr. Addagatla Nagaraju (Ph.D. in Engineering): Dissertation 'Transformer-less Single-Phase Multilevel Inverter for Solar Photovoltaic Systems' enhances solar energy efficiency and voltage boosting (Deccan, April 17, 2025).
- **Biofuel Combustion:** Dr. Suram Raju (Ph.D. in Mechanical Engineering): Dissertation 'Experimental Investigation on Performance, Emission and Combustion Characteristics of Direct Injection Diesel Engine Using Various Blended Biodiesels' advances eco-friendly biofuel utilization (Andhra Prabha, Aug 24, 2025).



Samala Nagaraju Awarded Ph.D. for Renewable Energy Research

DECCAN NEWS SERVICE
MOINABAD

Samala Nagaraju has been awarded a Ph.D. from Chaitanya Deemed to be University in Himayat Nagar, Moinabad Mandal, Rangareddy District, for his significant research in the field of engineering. Nagaraju's doctoral research, titled "Grid Integration of Hybrid Renewable Energy System with FACTS Using Novel Control Technique," was conducted under the supervision of Professor Bethi Chandramouli.The award was conferred by the Vice Chancellor of the university, Professor Shankar Lingam, who highlighted the importance of engineering research in the country and praised Nagaraju's work as a contribution to the nation's technological advancement.

The event was attended by various university officials, including Registrar Ravinder, Dean of Research Acharya Christopher, Dean of Administration Raju, Dean of the Faculty of Engineering & Technology Jagadishwar, Controller of Examinations Rajender Reddy, Deputy Controller Jagadish Kumar, and Assistant Registrar & Public Relations Officer Gade Rambabu. Nagaraju's research on hybrid renewable energy systems aims to enhance grid integration and develop new control techniques, positioning it as a practical contribution to society's energy needs.



Research Should Be Useful to Society
- Dr. Addagatla Nagaraju's Doctorate Achievement

DECCAN NEWS SERVICE
MOINABAD

Dr. Addagatla Nagaraju, under the supervision of Research Supervisor Dr. Boini Rajender Reddy, successfully obtained her doctorate from Chaitanya Deemed University in Moinabad Mandal, specializing in the field of "Transformer-less Single-Phase Multilevel Inverter for Solar Photovoltaic Systems with Voltage Boosting Property."

The doctorate was conferred upon her by the University Director and Chief Administrative Officer, Satvika Reddy, in a ceremony attended by faculty and officials. During her speech, Dr. Nagaraju emphasized the significance of research and its impact on society. She stressed that research, especially in engineering, holds immense value for advancing societal progress and fostering global recognition for India's achievements.

Dr. Nagaraju highlighted that impactful research in the engineering sector not only elevates India's status but also serves as a beacon of innovation that benefits communities. Her work, focused on enhancing solar photovoltaic systems, aims to address real-world challenges in energy sustainability and efficiency.

The event was also attended by Chaitanya Deemed University Vice Chancellor Shankar Lingam, Professor Christopher, Dean of Administration Raju, and Controller of Examinations Boini, along with other distinguished faculty members.



ఆంధ్రప్రభ

పరిశోధనలు సమాజానికి ఉపయోగపడే విధంగా ఉండాలి

Figure 7: Andraprabha (18 Apr 2025) report on PhD awarded to Addagatta Nagaraju for Transformer-less Multilevel Inverter research in Solar Photovoltaics.



"Research Must Benefit Society" — Dr. CH. V. Purushottam Reddy

DECCAN NEWS SERVICE
MOINABAD

Suram Raju from the Department of Mechanical Engineering, Chaitanya Deemed to be University, Himayatnagar, Moinabad Mandal, has been awarded a Ph.D. degree for his notable research contributions. His dissertation, titled "Experimental Investigation on Performance, Emission and Combustion Characteristics of Direct Injection Diesel Engine Using Various Blended Biodiesels", was guided by Professor B. Mohan with co-supervision from Dr. M. Srinivasnaik.

The Ph.D. was conferred upon him by University Chancellor Dr. CH. V. Purushottam Reddy, who highlighted the transformative role of engineering research. "Research in the field of engineering is the cornerstone of national development," he remarked, stressing further that, "Along with education, research should be designed in a way that benefits society."

The event saw the presence of prominent academic leaders and dignitaries, including University Director & Chief Administrative Officer CH. Satvika Reddy, Dean Acharya Christopher, Dean of Engineering & Technology Professor M. Jagadeeshwar, Dean of Academic Affairs B. S. Anuradha, Controller of Examinations Professor B. Rajender Reddy, Head of Mechanical Engineering Sudipti Chand, Deputy Controller of Examinations E. Jagadish Kumar, Professor B. Mohan, and Assistant Registrar & Public Relations Officer Gade Rambabu Reddy, among others.

The recognition of Suram Raju's work underscores the university's commitment to fostering research that contributes not only to academic progress but also to addressing the practical challenges of society.

Figure 8: Deccan Vision report on PhD awarded to Suram Raju in Mechanical Engineering for Biodiesel Combustion research in Diesel Engines.



జాతీయ అభివృద్ధికి పరిశోధనలు కీలకం

Figure 10: Disha (03 Jan 2026) report on PhD awarded to Rumana Abid in Electrical Engineering for Smart Grid and Electric Vehicle power converter topologies.

CHAITANYA
(DEEMED TO BE UNIVERSITY)
(Approved u/s. 3 of UGC act. 1956 by MHRD, Govt. of India)

SDG Publication & Monitoring Matrix (Questions 17.3.1 – 17.3.17)

Mapping university research disclosures, public academic results, doctoral dissertations, and institutional initiatives against each of the 17 United Nations Sustainable Development Goals.

SDG Target	Institutional Initiatives & Documented Research Evidence	Status
SDG 1: No Poverty	Research on rural micro-enterprise bank financing & entrepreneurship models in India (Dr. Rajani Kukkalagarthamu, Commerce PhD). Disbursed Rs 3,45,78,000 in scholarships and financial assistance to 656 economically underprivileged students; operates Study & Earn schemes enabling needy students to gain employment while completing degrees.	Published
SDG 2: Zero Hunger	Blockchain-driven IoT Food Traceability system research (Dr. Nuti Manisha, CSE PhD) for food supply chain security. Degree programs in Agriculture (74 candidates audited) and research on bio-fertilizers and food technology quality assurance (100% pass rate in Food Technology & Quality Assurance). Published doctoral research on IoT soil-plant disease prediction algorithms and blockchain-driven food supply chain traceability.	Published
SDG 3: Good Health	Free senior citizen physiotherapy camps, 100.4% Pulse Polio drive, PhD research on brain stroke early detection, diabetic retinopathy ML models, liposomal gels, and anti-cancer synthesis. Organized free mega health camps with Lions Club; free physiotherapy camps for senior citizens; high-impact PhD dissertations on anti-cancer drugs (K. Swapna, Sunitha Nagula, Praveen Kumar), cardiac disease prediction (K. Jayasri), stroke detection (J. Parvathi), and drug delivery (K. Mounika, V. Sangu, P. Sravanthi). Extensive published research on anti-cancer, anti-diabetic, anti-microbial drugs, niosomal gels, ML heart disease prediction, senior citizen medical camps, and anti-drug drives.	Published
SDG 4: Quality Ed.	Conferral of 677 degrees (83 PhDs), 784 corporate placements, TCS industry partnership, 96.2% Pre-PhD pass rate across 14 departments. 87.13% PG pass rate; 100% pass rates in M.Sc. Biotech, Medical Lab Tech, Power Electronics; 14 gold medalists honored at 13th convocation.	Published
SDG 5: Gender Equality	High representation of female doctoral scholars receiving PhDs (Dr. J. Parvathi, Dr. Saloni Fatima, Dr. K. Ramya Charitha, Dr. Veenila Sangu, Dr. Konatham Monika, Dr. Kasapoyina Kalyani Priya, Mounika, Sunitha, Manasa, Sree Ranganayaki, Padma, Srividya, Parvathi, Kalyani Priya, Vineela, Sai Lakshmi). Celebrated Grand Bathukamma Festival emphasizing Telangana floral tradition and respect for womanhood	Published
SDG 6: Clean Water	Campus green sanitation standards, environmental management, and non-toxic chemical synthesis lab protocols. Departmental environmental water quality auditing and green campus initiatives at Himayat Nagar / Moinabad campus. Environmental chemistry research focusing on synthesis of green heterocyclic compounds minimizing chemical effluent discharge.	Implicit
SDG 7: Clean Energy	Research on computational efficiency, ML algorithm optimization, and data center energy load reduction.	Implicit

	Doctoral thesis by Addagatta Nagaraju on single-phase multilevel inverters for solar PV with voltage boosting doctoral thesis by Suram Raju on performance and emission of blended biodiesels in diesel engines. Published engineering dissertations on Hybrid Renewable Energy System (HRES) grid integration, solar PV multilevel inverters, and FACTS devices.	
SDG 8: Decent Work	784 student corporate placements; TCS B.Sc/B.Com commercial curriculum; Rural Banking & Entrepreneurship research. job placements in reputed corporate companies (TCS, IBM, Infosys, Amazon, Tech Mahindra, Google, ICICI Bank); career development and vocational training. Doctoral research examining rural entrepreneurship finance, banking credit access, and employment creation frameworks.	**Published**
SDG 9: Industry & Infra	Bituminous pavement repair using recycled automotive tires (Dr. K. Abhiram, Civil Eng PhD); Advanced AI/ML/IoT engineering research. 156 patents granted/filed, 892 research papers published, 82 books/chapters authored; PhD research by Rumana Abid on reduced switch count multilevel inverters for smart grids and EVs. Published technological innovations: reduced switch count power electronics, blockchain food logistics, recycled tyre asphalt pavement repair.	**Published**
SDG 10: Reduced Inequalities	Tuition discount package (₹7,90,000 package for >60% marks) and merit scholarships for underprivileged rural students. Celebrated North-East Cultural Festival bringing together students from North-Eastern states; inclusive admission policies for non-local (637) and international (386) students. Inter-faith Christmas peace drives, free healthcare access for vulnerable senior citizens, and inclusive higher education policies.	**Published**
SDG 11: Sustainable Cities	Eco-friendly municipal asphalt pavement recycling; Moinabad regional cyber safety and public security awareness. IoT gateway communication intrusion detection research by Vanamamalay Sree Ranganayaki supporting smart city and smart gateway cybersecurity infrastructure. Civil engineering research on eco-friendly bituminous pavement restoration using scrap tyre rubber, reducing urban landfill burden.	**Published**
SDG 12: Responsible Cons.	Recycling scrap automotive tires in asphalt civil infrastructure to minimize landfill waste and raw bitumen consumption. Chemical waste management protocols in organic chemistry and synthesis of eco-friendly heterocyclic compounds. Circular economy waste re-utilization in road construction and sustainable pharmaceutical green synthesis protocols.	**Published**
SDG 13: Climate Action	Promoting green campus practices, nature festival conservation drives, and eco-friendly civil engineering materials. Mathematical ecological modeling research by Musade Raj Kumar on multi-species ecosystem stability under environmental stress. Clean energy grid adoption dissertations reducing fossil fuel dependency and carbon footprint in power distribution networks.	**Documented**
SDG 14: Life Below Water	Indirect focus through non-toxic organic chemical synthesis research minimizing hazardous laboratory chemical run-off. Chemical characterization of non-toxic heterocyclic derivatives reducing aquatic pollutant loads. Eco-friendly aquatic toxicology screening for synthetic chemical derivatives in pharmaceutical chemistry dissertations.	**Gap / Open Area**
SDG 15: Life on Land	Traditional floral conservation drives (Bathukamma festival) and community awareness on biodiversity preservation.	**Documented**

	Ecological model analysis and green campus conservation at Himayat Nagar. Soil condition monitoring and plant disease mitigation research protecting terrestrial agricultural ecosystems.	
SDG 16: Peace & Justice	Moinabad Police collaborative campaigns against cyber-crime, anti-ragging laws, cell phone misuse, and illicit drug eradication. Hosted Semi-Christmas and multi-faith cultural events promoting mutual cooperation, tolerance, peace, and brotherhood; ethical governance in research. Public anti-terrorism peace rallies, anti-drug community campaigns, and transparent academic administration governance	**Published**
SDG 17: Partnerships	45 Institutional MoUs, US University Exchange agreements, TCS Academic Interface partnership, and police/health joint drives. Comprehensive multi-stakeholder mapping connecting university research, statutory apex bodies (NIPER), state corporations, and media daily outlets.	**Published**

IQAC Committee:

Sl. No.	Name	Role	Signature
1	Prof. T. Murali Krishna	IQAC Coordinator	
2	Dr. K. V. N. S. Pavan Kumar, EEE	Member	
3	Dr. J. Kumara Swamy, Chemistry	Member	
4	Dr. M. Raju, Biochemistry	Member	
5	Dr. M. Srinivasa Rao, Pharmacy	Member	
6	Mr. K. Praveen Kumar, Computer Science	Member	
7	Dr. R. Praveen Kumar, CSE	Member	
8	Mr. M. Naveen Kumar, Civil Engineering	Member	
9	Mr. B. Rajeshwar, ECE	Member	
10	Dr. P. Omkar, Agriculture	Member	
11	Mr. V. Deepak Kumar, Commerce & Business Management	Member	
12	Dr. A. Naveen, Physics & Electronics	Member	
13	Mr. B. Vasu, Mathematics & Statistics	Member	
14	Mr. B. Shivaprasad, Forensic Science	Member	
15	Mr. R. Sridevi, Mechanical Engineering	Member	

Chaitanya (Deemed to be University) Himayathnagar(V) Moinabad (M) Rangareddy (D) Hyderabad

Registrar

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