RESEARCH POLICY DOCUMENT

Kakatiya University, Warangal

Director
Research and Development Cell
Kakatiya University
Warangal
2022

CONTENTS

1. Introduction:

1.1 Preamble:

Kakatiya University, Warangal (KUW) was established on August 19th 1976 as fulfilment of the aspirations of the Telangana people for higher education. The **Vision is** "Transforming KUW into a Centre of Excellence Ensuring Quality, Access, Equity and Values" and the **Mission is** "Acquiring commanding heights in the field of Innovation, Knowledge dissemination, Cutting-edge Research, Competency building and Extension activities with Holistic approach for Societal needs".

Since inception of KUW, the founding fathers have spawned, nurtured and supported research culture. They laid a strong foundation for undertaking basic research in science, arts and commerce, pharmacy, engineering and technology. So far several research projects were completed, 12 colleges/departments are UGC-SAP-DRS and 8 are DST-FIST recognized departments. Thousands of research papers were published in national and international journals (with high impact factor). Since 1980s, M.Phil., and Ph.D., program in various departments has been in vogue. Degrees have been awarded.

Another feather in the cap of KUW is that most of the faculty have worked in world class research labs in USA, France, Germany, UK, Australia, Singapore, Italy, etc with the support of Research Funding organizations of Central and State Governments.

KUW is now offering 222 programmes in Engineering, Pharmacy, Law, Computer Science, Business Management, Education, Science, Arts, Commerce, Oriental courses within the University, constituent and affiliated colleges. In addition, the School of Distance Learning and Continuing Education (SDLCE) is offering 54 programs through distance mode.

It also recognized some research centres in Government Colleges in Warangal and Khammam by identifying the eligible faculty as per the UGC guidelines to guide the students for Ph.D. The faculty at other college may continue research to improve their academics further in Career.

1.2 National Education Policy-2020 (NEP-2020):

The National Education Policy-2020 (NEP-2020) envisages the promotion of quality research in Higher Education Institutes. Research, innovation and technology development form the impeccable foundations of Atma Nirbhar Bharat (Self-Reliant India).Amalgamation of research, innovation and technology development is the rock foundation for Atma Nirbhar Bharat (Self-reliant India). The accomplishment of the targets of Atma Nirbhar Bharat is possible by undertaking interdisciplinary, multidisciplinary and transdisciplinary research work.

University Grants Commission, New Delhi (UGC) has formulated guidelines for establishment of Research &Development Cell (RDC) in Higher Education Institutions (HEI) (F.No. 1-5/2021/NEP/DESK-PARL; Dated 14/03/2022). KUW has constituted a committee called "Research Program and Policy Development" for formulating a policy document for development of research culture amongst, students, research scholars and faculty.

1.3 Purpose of the Research Policy Document:

This document provides best practices to promote research, innovation and technology development across various disciplines/departments and establishment of Research and Development Cell (RDC) and committees for effective functioning to address the societal challenges at local and global level. The policies of this document are subject to approval by the competent bodies, authorities and committees from time to time.

1.4 Objectives:

The objectives of the R & D are

1. Inculcate research culture in students, research scholars and academia
2. Identify thrust areas of research and promote interdisciplinary, multidisciplinary and transdisciplinary research
3. Develop state of art technologies and disseminate the research outputs to stakeholders and society at large.
4. Furthering research activities by collaboration and partnership with academic institutions, industry and other R & D companies and also the alumni.
5. Exchange of students and faculties across institutions and R & D labs
6. Accruing research grants/funds from governments, business houses, industry and extramural sources
7. Promote innovative and entrepreneurship skill, enhance capacity building, serve as consultants and acclaim intellectual property rights (IPR)

1.5 Functions:

The functions of RDC are

(i)   Intellectual Capital: Human resource and Knowledge & skill development.
(ii)   Technology Hub: Facilitate research, innovation and technologies for industrial and societal use
(iii)   Financial Resources: Tap research funds and grants from industry and government agencies.

2. Governance:

For smooth and effective functioning, for functional autonomy, transparency accountability, adaptability and to create conducive research ecosystem in Kakatiya University following bodies, authorities and committees are constituted.

2.1 Research Advisory Council (RAC):

The Vice-Chancellor is the head of Research Advisory Council (RAC) that oversees and implements research policies in KUW.

2.2 Research & Development Cell (RDC):

The Directors of RDC (Engineering and Technology/other than E & T) will serve as convenors of R & D programs.

2.3 Committees:

i) Finance and Infrastructure Committee:

The Finance & Infrastructure Development committee will evolve strategies to mobilize funds and create a corpus funds from Government, industry and other funding agencies

ii) Collaboration and Community Development Committee:

The Collaboration and Community Development committee will strive to establish collaborations, partnerships and combined ventures for joint research activities through clustering institutions & organizations and to facilitate the exchange of students, research scholars and faculty

iii) Product Development, Monitoring, Commercialization and Technology Transfer Committee:

The Product Development, Monitoring, Commercialization and Technology Transfer committee will augment technology development, create business-centred facility for enabling industry-institute interface, sponsored or contract research, Venture capital &start-up, technology transfer and product commercialization, innovation, incubation and entrepreneurship

iv) IPR, Legal, Ethical Matters and Institution Bio safety Committee:

The IPR, Legal, Ethical Matters and Institution Biosafety committee will ensure integrity amongst researcher to comply by ethics and ethical codes of research and publishing practices at institutional, national, global levels, and also to educate research community about predatory journals and dubious research publications.

3. Research Ecosystems and Collaboration:

KUW brainstorm a roadmap for R&D programs for various disciplines/departments to develop a vibrant research ecosystem focusing on interdisciplinary, multidisciplinary and transdisciplinary research. This will be possible by taking in consideration the previous impactful research work done and supplementing it with present research strengths through specific investments and leadership and support for societal needs.

KUW will support faculty and young researches with innovative ideas and concepts that are original.

KUW will establish collaborations in R & D with national and international universities (Universities of Wales, UK) and organization in the areas of Pharmaceutical Sciences, Biodiversity, Nanotechnology, Geochemistry, Microbial Technology, Cybersecurity, AI, Biomedical engineering, social anthropology etc.,

Information and Management Systems:

Objectives: KUW will

- Develop a dedicated research portal for R & D that includes a database for research-oriented information, a platform for resource centric information and a repository of Institutional research information.

The database of research-oriented information will encompass information about thrust areas of research, research publications, research fellowships, research projects, foreign visits, collaborations, patents etc.,

The platform for resource centric information will include academia/scientists, centers for research excellence, incubation center instrumentation facilities, digital library, IPR cell, start-ups, internship, student exchange program, aluminic etc.

KUW has signed a MoU with UGC-INFLIBNET. This facility will be used to access and upload research information through Shodh Ganga, Shodh Shuddhi etc.,

Human Resources:

The Directors for RDC, Heads of the 5 committees and the existing technical and administrative staff will promote a vibrant research culture in KUW. The importance of adjunct faculty (superannuated faculty) in helping to build a resilient research ecosystem is being explored.

Research Promotion & Guidance

Objectives: KUW will

- Identify innovative ideas and pragmatic research problems/issues in the emerging and high impact areas of research for local, regional and global spheres.
- Undertake interdisciplinary, multidisciplinary and transdisciplinary research.
- Establish IT parks and incubation centers for transforming innovative ideas into processes and products.
- Establish centers of excellence (CoE) with state of art technologies for contemporary areas of research.
- Start in-house human resource development, organize research internships, inculcate entrepreneurship mind-set.
- Organize scientific deliberations and interactions like seminars & conferences on specific thematic areas, research orientation programs (ROPs) for faculty and workshops for skill development (soft and hard skills) for younger generations.
- Encourage Twinning program for research and development
- Form regional research consortia/society for cross fertilization of ideas and finding solutions to contemporary problems/issues.

4.0. Thrust areas of Research

4.1. Research Centers:

Eight (08) research centers with objective oriented approach in research and development will be set-up in KUW. They are

- Center for Drug Research in Pharmacy (CDRP).
- Center for Molecules and Materials Physics (CMMP).
- Center for Nano-Drug Delivery Systems (CNDDS).
- Center for Ethno Medicine Plants and Biodiversity Conservation through Biotechnology (CEMBC).
- Center for Cyber Security, Robotics and Intelligence systems in Electronica and Communication Engineering (CCSRAI).
- Center for Molecular Biology and Microbial Technology (CMBMT).
- Center for Social and Human Concern (CSHC)
- Center for Geological Science and Mining (CGSM) etc.

4.2 Research Incentives and Recognition:

Research Publications in high impact factor journals are crucial factors in hiring decisions, grant approvals, conference invitations, and their general reputation. KUW will award incentives and recognitions to faculty and research scholar who have made exemplary efforts to publish quality research papers, granted institutional patents, best oral presentation/poster presentation in national and international for a, research-based quality teaching.

4.3 Technology Development and Business:

KUW will lay emphasis on KU-industry interface, will establish IPR Cell, will moot commercialization of product and process, focus on entrepreneurship development and support start-up grants.

HRD, New Delhi sanctioned funds under the component Research, Innovation and Quality Improvement of Rashtriya Uchchatar Shiksha Abhiyan (RUSA) and accordingly the university registered with companies act under section-

8 on the name of "Kakatiya Innovative Foundation" to administer funds for R & D (637/A2/KU/2022/GEN-102; Dated4/10/2022).

4.4 Finance: KUW

KUW will make substantial budgetary allocation for R & D which includes university research fellowships, seed money and attract research funds from government, industry and alumni

5.0 Integrity and ethics:

Anti-plagiarism cell will ensure integrity and honest of the researcher. Ethics committee and Biosafety committee will ensure that rules and regulation succinctly followed.

6.0 Research monitoring
Objective: RDC will

- Monitor research work
- Optimize resources,
- Review research activities
- Encourage research publications in Scopus indexed journals, WoS, UGC-CARE list journals
- Ensure fulfilment of Good Laboratory Practices (GLP), Biosafety rules and regulations

7.0 Guidelines and Resolutions

- Paper on the focus on interdisciplinary, multidisciplinary and transdisciplinary research.
- Paper on the Consultancy services
- Paper on institutional ethics and research
- Annexure of RUSA funds
- Orders on appointment of Directors, Committees, Heads of Centers of excellence etc.

Research Program and Policy Development submitted by

1. Prof. A. Sadanandam (Retd.)
   Department of Botany/ Biotechnology, KU
2. Prof. G. V. Bhavani Prasad (Retd.)
   Department of Commerce and Business Management, KU
3. Prof. T. Bhaskar Rao (Retd.)
   Department of Physics, KU
4. Prof. N. Satyanarayana (Retd.)
   Department of Chemistry, KU
5. Prof. M. Rajeshwar (Retd.)
   Department of English, KU
6. Prof. G. Achaiah (Retd.)
   Department of Pharmacy, KU
7. Prof. T. Srinivasulu
   Department of ECE, KU
8. Prof. B. Sanjeeva Reddy (Retd.)
   Department of Political Science, KU
9. Prof. N. Vasudev Reddy
   Department of Chemistry, KU
10. Prof. T. Yadagiri Rao
    Department of Public Administration, KU
11. Prof. R. Mallikarjun Reddy
    Department of Geology, KU
12. Dr. K. Mohan Reddy (Retd.)
    Department of Economics, KU
13. Dr. T. Christopher (Retd.)
    Department of Botany, KU
14. Dr. V. Shamitha
    Department of Zoology, KU
15. Dr. A. Venkateshwar Rao
    Department of Biotechnology
16. Dr. P. Venkataiah
    Department of Microbiology, KU

(Prof. N. Vasudev Reddy)
Director, R&D Cell

(Prof. T. Srinivasa Rao.)
Registrar, KU

Item No. 34.02.026

RESEARCH – Academic Integrity – Check on Plagiarism – Adoption of University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018 – Ratification of

RESOLUTIONS ADOPTED AT THE **SECOND MEETING** OF THE STANDING COMMITTEE OF ACADEMIC SENATE HELD ON **30, JANUARY 2019**.

RESOLVED TO ratify the action taken by the Vice-Chancellor for adoption of the University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018

Note submitted to the Standing Committee of Academic Senate is enclosed

Item No. (2.2)

Subject: RESEARCH – Academic Integrity – Check on Plagiarism – Adoption of University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018 – Ratification of

For the assessment of academic and research work done leading to the partial fulfillment for the award of degrees at Masters and Research level, by a student or a faculty or a researcher or a staff, in the form of thesis, dissertation and publication of research papers, chapters in books, full-fledged books and any other similar work, reflects the extent to which elements of academic integrity and originality are observed in various relevant processes adopted by Higher Educational Institutions (HEIs); the University Grants Commission has directed the Universities to adopt University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018.

Accordingly, the Vice Chancellor, Kakatiya University, in pursuance of the Gazette Publication (ref.1 enclosed) and the directions of the University Grants Commission (UGC), in anticipation of the approval of the Standing Committee of Academic Senate, agreed to adopt the University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018.

Regards to 'Check on Plagiarism' Kakatiya University at its 31st Meeting of the Academic Senate:

1. **Item No. 31.02.45**: Resolved to approve for the use of anti-plagiarism software 'URKUND' as recommended and provided free of cost by University Grants Commission.

2. **Item No. 31.02.46**: Resolved to approve for submission of electronic version of the dissertations by the researchers in Universities within 30-days of award of the Ph.D aiming at facilitating open access to Indian theses and dissertations to the academic community world-wide, as notified by the UGC Notification.

Subsequently, all the Heads of Departments (HODs) of the University Departments and the heads of Research Institutes under Kakatiya University were informed enforce the regulations from November 1, 2018, in accordance with the set guidelines (Gazette Enclosed).

Therefore the matter is accordingly placed before the Standing Committee of Academic Senate for ratification of the action taken by the Vice-Chancellor.

Draft Resolution

Resolved to ratify the action taken by the Vice-Chancellor for adoption of the University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018

Item No. 34.02.027

RESEARCH - Academic Integrity – Check on Plagiarism – Adoption of University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018 – Establishment of Plagiarism Cell – Appointment of Coordinator - Ratification of

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RESOLUTIONS ADOPTED AT THE **SECOND MEETING** OF THE STANDING COMMITTEE OF ACADEMIC SENATE HELD ON **30, JANUARY 2019**.

RESOLVED TO ratify the action taken by the Vice-Chancellor for establishment of 'Anti-Plagiarism Cell' and appointing a University Teacher, well versed with plagiarism check as its coordinator

Note submitted to the Standing Committee of Academic Senate is enclosed

Item No. (2.3)

Subject: **RESEARCH** - Academic Integrity – Check on Plagiarism – Adoption of University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018 – Establishment of Plagiarism Cell – Appointment of Coordinator - Ratification of

In furtherance to the adoption of the University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, to effectively and efficiently check similarity in academic works published by the teachers, students and staff of the University; it was considered as imperative to establish a 'Anti-Plagiarism Cell'. The Vice-Chancellor accordingly initiated to establish a 'Anti-Plagiarism Cell', by appointing a University teacher, well versed with plagiarism check as its coordinator.

The coordinator, Anti Plagiarism Cell will be responsible to certify all the academic and research work done leading to the partial fulfillment for the award of degrees at Masters and Research level, by a student or a faculty or a researcher or a staff, in the form of thesis, dissertation and publication of research papers, chapters in books, full-fledged books and any other similar work. Such certification should reflect the extent to which elements of academic integrity and originality are observed through similarity check, and the extent to which the academic content is plagiarized. All decisions related to plagiarism will be in accordance with the guidelines specified in the "Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions, Regulations, 2018", and any subsequent regulations adopted by the University.

Accordingly, the Vice-Chancellor, in anticipation of the approval of the Executive Council, has accorded approval for the appointment of **Mrs. B. Radhika Rani**, Assistant Professor, Department of Library and Information Sciences, as **coordinator, Anti Plagiarism Cell**, Kakatiya University for a period of **one (01) year** with effect from the date of her assuming the office.

Draft Resolution

Resolved to ratify the action taken by the Vice-Chancellor for establishment of 'Anti-Plagiarism Cell' and appointing a University Teacher, well versed with plagiarism check as its coordinator

OFFICE OF THE REGISTRAR
KAKATIYA UNIVERSITY
WARANGAL – 506 009

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No. 1318 /B2/KU/2019   Date: 27-08-2019

ORDERS

Sub: Anti-Plagiarism - Implementation of the procedure to be followed for obtaining the certification of: I) ShodhGangotri; II) URKUND Analysis Report; III) Certifying URKUND Analysis Report and IV) uploading the awarded theses/dissertations in the Shodhganga: – Issued.

Ref: Note approval Dated 23/07/2019.

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The Vice Chancellor has accorded approval for implementation of the following procedure to be followed for obtaining the certification of: I) ShodhGangotri; II) URKUND Analysis Report; III) Certifying URKUND Analysis Report and IV) Uploading the awarded theses/dissertations in the Shodhganga:

I. **ShodhGangotri:** Research scholars/research supervisors shall deposit electronic version of approved synopsis of the research scholars, which is intended to reveal the trends and directions of research being conducted in Indian universities, and shall avoid duplication of research. the following shall be the submission process:

Step 1 Registration/Login: The research scholar\ supervisor shall visit the ShodhGangotri Website and register himself/herself following the steps mentioned below:

   a. Visit ETD Registration Website
   b. Choose University and Department
   c. Choose Role (Researcher / Guide / University Representative)
   d. Enter e-mail ID (User-ID) and other details and upload scanned copy of certificate

Step 2 Validation of Account: On submission, an e-mail alert is triggered alerting INFLIBNET Staff to validate the registered user and allow him / her to submit his / her synopsis. After the account is validated by the concerned INFLIBNET staff, an email addressed to the submitter is triggered with a web link prompting him / her to submit his / her synopsis.

Step 3.Submission: After validation of account, submitter is permitted to create metadata for his/her synopsis and upload the content file containing synopsis of his / her research. During the process of submission, the researcher (submitter) is also asked to grant non- exclusive rights to the INFLIBNET Centre to host his / her synopsis in the INFLIBNET's open access digital repository. In case, a user sends his / her synopsis via e-mail / CD, the INFLIBNET staff will be responsible for creation of metadata and uploading the synopsis on behalf of the submitter.

Step 4.Verification: The metadata created and synopsis uploaded by the submitter will have to be verified for its completeness and correctness preferably by the research supervisor or university representative or alternatively by the INFLIBNET Staff. As soon as a submitter creates metadata for his / her synopsis and upload file containing his / her synopsis, an e- mail is triggered to the research supervisor(s) / university representative to verify correctness and completeness of synopsis submitted.

Step 5.Publish on Shodh Gangotri Repository: Once the metadata and uploaded content are verified for its completeness and correctness in the process mentioned above, synopsis get published in the Shodh Gangotri repository.

Step 6.Intimation: Once synopsis is published in Shodh Gangotri, the researcher, guide and the university will be informed through email which will be triggered automatically by the repository. RSS Feed technology will be used to disseminate and deliver new content added to the Shodh Gangotri repository to the users.

II. URKUND Analysis Report (UAR):

a. The research scholar, with the help of the supervisor, shall self-check in the anti-plagiarism software, which is avaialble with the Deans of the faculties and Heads of the Departments concerned to ensure the limits of similarity i.e. not exceeding 10%.

b. After ensuring the requisite similarity, the supervisor concerned shall mail the soft copy of the thesis/dissertations **in a single file** to the Coordinator, Shodhganga (ceokuwgl@gmail.com) for obtaining the analysis report.

Note i: The scholars shall note that the URKUND supports the following file formats: *.doc, .docx, .xls, .xlsx, .sxw, .ppt, .pptx, .pdf, .txt, .rtf, .html, .htm, .wps, .odt and .pages (4).*

Note ii: The Analysis Report shall be mailed to the supervisor concerned in seven working days.

Note iii: In case of differences of opinion regarding the exclusions from plagiarism
(point 7 of UGC 2018 regulations), the Deans of the Faculties concerned shall
authenticate the portions that may be excluded under Point 7 of the UGC Regulations.

III. Certifying UAR:

a. The scholar shall insert the first page of the URKUND Analysis Report (UAR) in the bound copies of the theses/dissertations provided, the similarity index is within the acceptable limits of 10%.

b. The scholar shall submit the hard copies of the theses/dissertations accompanied by the corresponding soft copy for obtaining the signatures of the Coordinator, Shodhganga on the URKUND Analysis Report. The scholars and the supervisors shall ensure that the soft copy, checked for similarity-check should strictly match with the hard copies. The Coordinator shall not sign the UAR in case of deviations, if any, in the hard copies.

Note: The scholars shall collect back the copies of the theses/dissertations on the third day after submission.
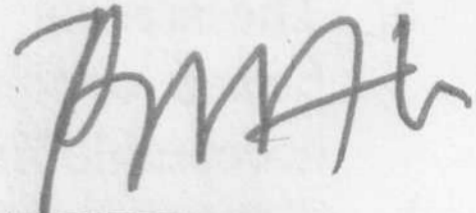
IV. Uploading:

On successful completion of the *viva voce* examination, the Co-Ordinator, Shodhganga / Anti – Plagiarism Cell Kakatiya University, Warangal, shall upload the thesis/dissertation each chapter in a separate file using an agreed file naming convention as detailed below:

01_title.pdf	Title Page
02_certificate.pdf	Certificate
03_abstract.pdf	Abstract
04_declaration.pdf	Declaration
05_acknowledgement.pdf	Acknowledgement
06_contents.pdf	Content/Index page
07_list_of_tables.pdf	List of Tables
08_list_of_figures.pdf	List of Figures
09_abbreviations.pdf	Abbreviations
10_chapter1.pdf	First Chapter
11_chapter2.pdf	Second Chapter
12_chapter......	Chapter...
13_conclusion	Conclusion
14_summary	Summary
15_bibliography	Bibliography

On successful uploading of the thesis/dissertation, and certification by the Co-Ordinator, Shodhganga / Anti – Plagiarism Cell Kakatiya University, Warangal, the scholar shall produce the same in the Examination Branch for collecting the Press Note.

REGISTRAR

To
The Co-Ordinator, Shodhganga / Anti – Plagiarism Cell Kakatiya University, Warangal

Copy to:-

1. All the Deans of Faculties. Kakatiya University Warangal
2. All the Heads of Departments, KU.
3. All the Chairperson Board of Studies, KU.
4. The Assistant Registrar (Academic Branch / Academic Audit), KU.
5. The Secretary to Vice-Chancellor, KU.
6. The S.F.

Date:16/06/2022

No. 385 /A2/KU/2022/COMIT-

ORDERS

Sub: COMMITTEES – Constitution of a Committee for "Research Programme and Policy Development" in various Departments of Kakatiya University, Warangal – Orders – Issued.

Ref: Letter F.No.1-5/2021(NEP/DESK-PARL), dated 14/03/2022 of the Chairman, University Grants Commission, New Delhi.

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As per the guidelines of the University Grants Commission, New Delhi, the Vice-Chancellor has accorded approval for constitution of the Committee for "Research Programme and Policy Development" in various disciplines/departments for establishing an efficient mechanism to create conducive research environment in Kakatiya University, Warangal, with the following members: -

1.	Prof. A. Sadanandam (Retd.) Department of Botany/Bio-Technology, KU	: *Chairperson*
2.	Prof. G.V.Bhavani Prasad (Retd.) Department of Commerce & Business Management, KU	: Member
3.	Prof. T. Bhaskar Rao (Retd.) Department of Physics, KU	: Member
4.	Prof .N. Sathyanarayana (Retd) Department of Chemistry, KU	: Member
5.	Prof.M. Rajeshwar (Retd.) Department of English, KU	: Member
6.	Prof .G. Achaiah (Retd.) Department of Pharmacy, KU	: Member
7.	Prof. T. Srinivasulu Department of ECE,KU	: Member
8.	Prof. B. Sanjeeva Reddy (Retd.) Department of Political Science, KU	: Member
9.	Prof .N. Vasudeva Reddy Department of Chemistry, KU	: Member
10.	Prof .T. Yadagiri Rao Department of Public Administration, KU	: Member
11.	Prof .R. Mallikarjuna Reddy Department of Geology, KU	: *Member-Convener*
12.	Dr. K. Mohan Reddy (Retd.) Department of Economics, KU	: Member
13.	Dr. T. Christopher (Retd) Department of Biotechnology, KU	: Member
14.	Dr. V. Shamitha Department of Zoology, KU	: Member
15.	Dr. A. Venkateshwar Rao Department of Biotechnology, KU	: Member
16.	Dr. P. Venkataiah Department of Microbiology, KU	: Member

REGISTRAR

To